

AC losses analysis approaches for electric vehicle motors with hairpin winding configuration

Shams Ghahfarokhi, Payam; Podgornovs, Andrejs; Marques Cardoso, Antonio J.; **Kallaste, Ants**; Belahcen, Anouar; **Vaimann, Toomas** IECON 2021 - 47th Annual Conference of the IEEE Industrial Electronics Society, 2021 2021 / p. 1-4 : ill <https://doi.org/10.1109/IECON48115.2021.9589339> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines

Tiismus, Hans; **Kallaste, Ants**; Belahcen, Anouar; **Tarraste, Marek**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Asad, Bilal**; **Ghahfarokhi, Payam Shams** Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Accessibility and orbits for discrete-time nonlinear control systems

Bartosiewicz, Zbigniew; **Kotta, Ülle**; Wyrwas, Malgorzata 60th IEEE Conference on Decision and Control, CDC 2021, Austin, 13-17 December 2021 2021 / p. 4594-4601 <https://doi.org/10.1109/CDC45484.2021.9682853> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Accessibility and system reduction of nonlinear time-delay control systems

Bartosiewicz, Zbigniew; **Kaldmäe, Arvo**; Kawano, Yu; **Kotta, Ülle**; Pawluszewicz, Ewa; **Simha, Ashutosh**; Wyrwas, Malgorzata IEEE Transactions on Automatic Control 2021 / p. 3781-3788 <https://doi.org/10.1109/TAC.2020.3028566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Accessible battery model with aging dependency

Savard, Christophe; Iakovleva, Emiliia; Ivanchenko, Daniil; **Rassõlkin, Anton** Energies 2021 / art. 3493, 16 p <https://doi.org/10.3390/en14123493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Accuracy assessment of RTK-GNSS equipped UAV conducted as-built surveys for construction site modelling

Varbla, Sander; **Puust, Raido**; **Ellmann, Artu** Survey review 2021 / p. 477-492 <https://doi.org/10.1080/00396265.2020.1830544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Achieving a high level of open market-information symmetry with decentralised insurance marketplaces on blockchains

Norta, Alexander; Rossar, Risto; Parve, Mart; Laas-Billson, Liina Intelligent Computing : proceedings of the 2019 Computing Conference. Volume 1 2019 / p. 299-318 https://doi.org/10.1007/978-3-030-22871-2_22 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Achieving of Magnus effect with Agros Suite

Lukin, Aleksandr; **Demidova, Galina**; **Rassõlkin, Anton** Periodica polytechnica electrical engineering and computer science 2021 / p. 131-137 : ill <https://doi.org/10.3311/PPee.17743> [Journal metrics at Scopus](#) [Article at Scopus](#)

Acoustic forward model for guided wave propagation and scattering in a pipe bend

Rasgado Moreno, Carlos Omar; **Rist, Marek**; **Land, Raul**; **Ratasseppe, Madis** Sensors 2022 / art. 486 <https://doi.org/10.3390/s22020486> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic noise computation of electrical motors using the boundary element method

Sathyan, Sabin; Aydin, Ugur; **Belahcen, Anouar** Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic study on motorcycle helmets with application of novel porous material

Lavrentjev, Jüri; **Rämmal, Hans** SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains—Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0531, p. 1-7 : ill <https://www.sae.org/publications/technical-papers/content/2019-32-0531/> http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Acoustic study on tubular micro-perforated flow plug sections for vehicle silencer's application

Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** SAE Technical Paper 2022 / p. 1-7 <https://doi.org/10.4271/2022-01-0933> <https://www.sae.org/publications/technical-papers/content/2022-01-0933/> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Active chitosan–chestnut extract films used for packaging and storage of fresh pasta

Körge, Kristi; Bajić, Marijan; Likožar, Blaž; Novak, Uroš International Journal of Food Science and Technology 2020 / p. 3043 - 3052 <https://doi.org/10.1111/ijfs.14569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Actual energy performance and indoor climate in Finnish NZEB daycare and school buildings

Ahmed, Kaiser; Hasu, Tero; **Kurnitski, Jarek** Journal of building engineering 2022 / art. 104759 <https://doi.org/10.1016/j.jobe.2022.104759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adaptation of Laboratory tests for the assessment of wear resistance of drill-bit inserts for rotary-percussive drilling of hard rocks

Saai, Afaf; Bjorge, Ruben; Dahl, Filip; **Antonov, Maksim** Wear 2020 / art. 203366, 10 p. : ill <https://doi.org/10.1016/j.wear.2020.203366>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adaptation of the development of ecological entrepreneurship

Prokopenko, Olha; Korchevska, L.; Shluga, M.; Zakharchenko, A. International journal of scientific and technology research 2020 / p. 1112-1115 [Adaptation of the development of ecological entrepreneurship](#) <https://ijstr.org/paper-references.php?ref=IJSTR-0320-33121> [Journal metrics at Scopus](#) [Article at Scopus](#)

Adaptive controller for networked control systems subjected to random communication delays

Srinivasan, Seshadri; Saravanakumar, G.; Subathra, B.; **Kotta, Ülle** Soft computing applications : proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016). Vol. 1 2018 / p. 78-94 https://doi.org/10.1007/978-3-319-62521-8_8
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Adaptive LINE-P : an adaptive linear energy prediction model for wireless sensor network nodes

Ahmed, Faisal; **Tamberg, Gert**; Le Moullec, Yannick; Annus, Paul Sensors 2018 / art. 1105, 26 p. : ill
<https://doi.org/10.3390/s18041105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids

Fawzy, Asmaa; **Bakeer, Abualkasim Ahmed Ali**; Magdy, Gaber; Atawi, Ibrahim E.; Roshdy, Mohamed IEEE Access 2021 / p. 109718 - 109731 <https://doi.org/10.1109/ACCESS.2021.3101887> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

ADCS development for student CubeSat satellites - TalTech case study

Rassõlkin, Anton; Vaimann, Toomas; Org, Peeter; Leibak, Alar; Gordon, Rauno; Priidel, Eiko Proceedings of the Estonian Academy of Sciences 2021 / p. 268-285 : ill <https://doi.org/10.3176/proc.2021.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adding waste paper to clay plaster to raise its ability to buffer moisture

Nutt, Nele; Kubjas, Ardo; Nei, Lembit Proceedings of the Estonian Academy of Sciences 2020 / p. 179–185 : ill
<https://doi.org/10.3176/proc.2020.3.01> https://kirj.ee/public/proceedings_pdf/2020/issue_3/proc-2020-3-179-185.pdf [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive Manufacturing and Performance of E-Type Transformer Core

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; **Rassõlkin, Anton**; Vaimann, Toomas; Ghahfarokhi, Payam Shams Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off

Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Juergen H.; **Prashanth, Konda Gokuldoss** Additive Manufacturing 2021 / art. 101725 <https://doi.org/10.1016/j.addma.2020.101725> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Addressing housing needs of the displaced people promoting resilient and sustainable communities

Jayakody, Chathurangane; Malalgoda, Chamindi Ishara; Amaratunga, Dilanthi; Haigh, Richard; Liyanage, Champika; Hamza, Mo; **Witt, Emlyn David Qivitoq**; Fernando, Nishara International Journal of Disaster Resilience in the Built Environment 2022 / p. 368-385 : ill <https://doi.org/10.1108/IJDRBE-09-2021-0124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advanced sensing materials based on molecularly imprinted polymers towards developing point-of-care diagnostics devices

Kidakova, Anna; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Sõritski, Vitali Proceedings of the Estonian Academy of Sciences 2019 / p. 158–167 : ill <https://doi.org/10.3176/proc.2019.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advancement in production engineering education through Virtual Learning Factory Toolkit concept

Mahmood, Kashif; Otto, Tauno; Kuts, Vladimir Proceedings of the Estonian Academy of Sciences 2021 / p. 374-382 : ill
<https://doi.org/10.3176/proc.2021.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advancements in underground mine surveys by using SLAM-enabled handheld laser scanners

Ellmann, Artu; Kütimets, Kaia; Varbla, Sander; Väli, Erik; Kanter, Sander Survey review 2022 / p. 363-374
<https://doi.org/10.1080/00396265.2021.1944545> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advances in characteristics analysis, measurement methods and modelling of flow dynamics in airlift reactors

Zhang, Tao; Wei, Chaohai; Feng, Chunhua; **Preis, Sergei** Chemical engineering and processing : process intensification 2019 / art. 107633, 19 p. : ill <https://doi.org/10.1016/j.cep.2019.107633> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advances in detection of antibiotic pollutants in aqueous media using molecular imprinting technique - a review
Ayankojo, Akinrinade George; Reut, Jekaterina; Nguyen, Vu Bao Chau; Boroznjak, Roman; Söritski, Vitali Biosensors 2022 / art. 441 <https://doi.org/10.3390/bios12070441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advances in machine fault diagnosis

Vaimann, Toomas Applied sciences 2021 / art. 7348, 5 p <https://doi.org/10.3390/app11167348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advancing ecohydraulics and ecohydrology by clarifying the role of their component interdisciplinary

Gosselin, Marie-Pierre; Ouellet, Valerie; Harby, Atle; Nestler, John Journal of ecohydraulics 2019 / p. 172-187
<https://doi.org/10.1080/24705357.2019.1658137> [Journal metrics at Scopus](#) [Article at Scopus](#)

Aerial base station assisted cellular communication : performance and trade-off

Sharma, Navuday; Kumar, Atul; Alam, Muhammad Mahtab; Jindal, Anish; Imran, Muhammad Ali IEEE Transactions on Network Science and Engineering 2021 / p. 2765-2779 <https://doi.org/10.1109/TNSE.2021.3052984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

AI systems to ensure cyber security in space

Pelin Manti, Nebile; Carlo, Antonio; Markova, Rada; Jha, Devanshu; Breda, Paola; Abdin, Adam; Boschetti, Nicolo IAC 2022 congress proceedings 2022 / art. 70423 <https://dl.iafastro.directory/event/IAC-2022/paper/70423/> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Air distribution and air handling unit configuration effects on energy performance in an air-heated ice rink arena

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; Kurnitski, Jarek Energies 2019 / art. 693, 21 p. : ill <https://doi.org/10.3390/en12040693> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air leakage of joints filled with polyurethane foam

Hallik, Jaanus; Gustavson, Heleen; Kalamees, Targo Buildings 2019 / art. 172, 15 p. : ill <https://doi.org/10.3390/buildings9070172> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air pressure differences over external walls in new and retrofitted schools and daycare centers

Kauppinen, Antti; Kiviste, Mihkel; Pirhonen, Joni; Tuominen, Eero; Laukkarinen, Anssi; Huttunen, Petteri; Vinha, Juha Buildings 2022 / art. 1629 <https://doi.org/10.3390/buildings12101629> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Airtightness of cross-laminated timber envelopes : influence of moisture content, indoor humidity, orientation, and assembly

Kukk, Villu; Bella, Adeniyi; Kers, Jaan; Kalamees, Targo Journal of building engineering 2021 / art. 102610
<https://doi.org/10.1016/j.jobbe.2021.102610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Algebraic necessary and sufficient condition for difference flatness

Kaldmäe, Arvo International Journal of Control 2021 / 8 p <https://doi.org/10.1080/00207179.2021.1908598> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Allsolution||processed transparent front contact for monograin layer kesterite solar cells

Edinger, Stefan; Bansal, Neha; Wibowo, Adhi Rachmat; Winkler, Nina; Illich, Peter; Zechmeister, Armin; Plessing, Lukas; Meissner, Dieter Progress in photovoltaics : research and applications 2019 / p. 547-555 <https://doi.org/10.1002/ppp.3122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aluminum matrix composites reinforced with metallic glass particles with core-shell structure

Guana, H.D.; Lia, C.J.; Gao, P.; Prashanth, Konda Gokuldoss Materials science and engineering : A 2020 / art. 138630, 5 p. : ill
<https://doi.org/10.1016/j.msea.2019.138630> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ammonia as clean shipping fuel for the Baltic Sea Region

Gerlitz, Laima; Mildenstrey, Eike; Prause, Gunnar Klaus Transport and telecommunication journal 2022 / p. 102-112 : ill
<https://doi.org/10.2478/tjt-2022-0010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se₂ thin film solar cells

Abdalla, Akram; Danilson, Mati; Oueslati, Souhaib; Pilvet, Maris; Bereznev, Sergei Materials science in semiconductor processing 2021 / art. 105862 <https://doi.org/10.1016/j.mssp.2021.105862> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An exact solution of truss vibration problems

Lahe, Andres; Braunbrück, Andres; Klauson, Aleksander Proceedings of the Estonian Academy of Sciences 2019 / p. 244-263 : ill <https://doi.org/10.3176/proc.2019.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An indirect adaptive control paradigm for wind generation systems

Kamal, Tariq; Karabacak, Murat; Hassan, Syed Zulqadar; Fernández Ramírez, Luis M.; **Roasto, Indrek**; Khan, Laiq Advanced control and optimization paradigms for wind energy systems 2019 / p. 235-257 https://doi.org/10.1007/978-981-13-5995-8_10 [Article collection metrics at Scopus](#) [Article at Scopus](#)

An interleaved ZVS high step-up converter for renewable energy systems applications

Nouri, Tohid; Branch, Sari; Shaneh, Mahdi; Benbouzid, Mohamed; **Vosoughi Kurdkandi, Naser** IEEE Transactions on Industrial Electronics 2022 / p. 4786-4800 <https://doi.org/10.1109/TIE.2021.3080211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An optimization framework for dynamic pipeline management in computing systems

Naqvi, Syed Rameez; Zahid, Anjum; Sawalha, Lina; **Jenihhin, Maksim** Computers & electrical engineering 2019 / p. 242-258 : ill <https://doi.org/10.1016/j.compeleceng.2019.07.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An SVM scheme for three-level quasi-switched boost T-type inverter with Enhanced voltage gain and capacitor voltage balance

Tran, Vinh-Thanh; Nguyen, Minh-Khai; Do, Duc-Tri; **Vinnikov, Dmitri** IEEE transactions on power electronics 2021 / p. 11499-11508 <https://doi.org/10.1109/TPEL.2021.3071011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of barrier inhomogeneities of P-type Al₄H-SiC Schottky barrier diodes

Ziko, Mehadi Hasan; Koel, Ants; Rang, Toomas; Toompuu, Jana Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 960-972 <https://doi.org/10.4028/www.scientific.net/MSF.1004.960> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Analysis of black start strategies for microgrids with renewable distributed generation

Armstorfer, Andreas; Biechl, Helmut; **Rosin, Argo** IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 2121-2125 : ill <https://doi.org/10.1109/IECON.2019.8926631> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2021 / art. 9277612, 8 p. : ill <https://doi.org/10.1109/TMAG.2020.3041703> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of fault-tolerant operation capabilities of an isolated bidirectional current-source DC-DC converter

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Ivakhno, Volodymyr Energies 2019 / art. 3203, p. 14 : ill <https://doi.org/10.3390/en12163203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of holdup time for DC grid-forming isolated active front-end converters

Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9969075> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Analysis of Industry 4.0 capabilities: a perspective of educational institutions and needs of industry

Mahmood, Kashif; Otto, Tauno; Kristensen, Jesper H.; Heidemann Lassen, Astrid; Brunoe, Thomas D.; Schou, Casper; Christiansen, Lasse; Laursen, Esben Skov Towards Sustainable Customization : Bridging Smart Products and Manufacturing Systems : proceedings of the 8th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2021) and the 10th World Mass Customization & Personalization Conference (MCPC2021), Aalborg, Denmark, October/November 2021 2022 / p. 887-894 https://doi.org/10.1007/978-3-030-90700-6_101 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Analysis of possible faults and diagnostic methods of the Cartesian industrial robot

Autsou, Siarhei; Rassõlkin, Anton; Vaimann, Toomas; Kudelina, Karolina Proceedings of the Estonian Academy of Sciences 2022 / p. 227-24 : ill <https://doi.org/10.3176/proc.2022.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of the impact of poisoned data within Twitter classification models

Price, Christopher; Nõmm, Sven; Priisalu, Jaan Proceedings of the 5th interdisciplinary cyber research conference 2019 : 29th of June 2019, Tallinn University of Technology [Online resource] 2019 / p. 53-57 <https://doi.org/10.1016/j.ifacol.2019.12.170> https://www.ester.ee/record=b5238490*est [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study

Rosin, Argo; Drovtar, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of ventilation load flexibility depending on indoor climate conditions

Maask, Vahur; Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Korõtko, Tarmo 2020 IEEE International Conference on Industrial Technology, Buenos Aires Institute of Technology (ITBA) Buenos Aires, Argentina, 26-28 February, 2020 : proceedings

Analyzing power and energy flexibilities by demand response in district heated buildings in Finland and Germany
Ju, Yuchen; Jokisalo, Juha; Kosonen, Risto; Kauppi, Ville; Janßen, Philipp Science and technology for the built environment 2021 / p. 1440-1460 : ill <https://doi.org/10.1080/23744731.2021.1950434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analyzing the fulfillment of daylight and overheating requirements in residential and office buildings in Estonia
Sepulveda Luque, Abel; De Luca, Francesco; Thalfeldt, Martin; Kurnitski, Jarek Building and environment 2020 / art. 107036, 12 p <https://doi.org/10.1016/j.buildenv.2020.107036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region
Ahmadihangar, Roya; Karami, Hossein; **Husev, Oleksandr; Blinov, Andrei; Rosin, Argo;** Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical approach to investigate the effect of gas channel draft angle on the performance of PEMFC and species distribution
Ahmadi, Nima; Kõrgesaar, Mihkel International journal of heat and mass transfer 2020 / art. 119529 <https://doi.org/10.1016/j.ijheatmasstransfer.2020.119529> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical modelling of synchronous reluctance motor including non-linear magnetic condition
Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton IET electric power applications 2022 / p. 511-524 <https://doi.org/10.1049/elp2.12172> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical thermal model and flow network analysis suitable for open self-ventilated machines
Shams Ghahfarokhi, Payam; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas IET Electric Power Applications 2020 / p. 929-936 : ill <https://doi.org/10.1049/iet-epa.2019.1020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Android malware concept drift using system calls : detection, characterization and challenges
Guerra Manzanares, Alejandro; Luckner, Marcin; **Bahsi, Hayretdin** Expert systems with applications 2022 / art. 117200, 19 p. : ill <https://doi.org/10.1016/j.eswa.2022.117200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antidictionary-based cardiac arrhythmia classification for smart ECG sensors
Duforest, Julien; Larras, Benoit; Frappe, Antoine; Deepu, John Deepu; **Märtens, Olev** 2022 IEEE International Symposium on Circuits and Systems (ISCAS) : proceedings 2022 / p. 414-418 : ill <https://doi.org/10.1109/ISCAS48785.2022.9937853> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Applicability of spiral drawing test for mental fatigue modelling
Senkiv, Olesja; Nõmm, Sven; Toomela, Aaro IFAC-PapersOnLine 2019 / p. 190-195 : ill <https://doi.org/10.1016/j.ifacol.2019.01.064> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Application of cycle skipping modulation in buck-boost photovoltaic microconverters
Maheri, Hamed Mashinchi; Vinnikov, Dmitri; Chub, Andrii; Sidorov, Vadim; Galkin, Ilja IEEE transactions on industry applications 2022 / p. 4804-4815 <https://doi.org/10.1109/TIA.2022.3163083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of diffuse reflectance spectroscopy for quick laboratory assessment of Estonian oil shale quality
Tufail, Iram; Paris, Peeter; Jõgi, Indrek; **Riisalu, Hella** Proceedings of the Estonian Academy of Sciences 2020 / p. 134-142 : ill <https://doi.org/10.3176/proc.2020.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of equivalent single layer approach for ultimate strength analyses of ship hull girder
Putranto, Teguh; Kõrgesaar, Mihkel; Tabri, Kristjan Journal of marine science and engineering 2022 / art. 1530 <https://doi.org/10.3390/jmse10101530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of HOHWM for vibration analysis of nanobeams
Kirs, Maarjus; Eerme, Martin; Bassir, David; **Tungel, Ernst** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235 <https://www.scientific.net/KEM.799.230> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.230> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Application of power line communication technology in street lighting control

Farkas, Tekla D.; Kiraly, Tamás; **Pardy, Tamas**; **Rang, Toomas**; **Rang, Galina** International journal of design and nature and ecodynamics 2018 / p. 176–186 : ill <https://doi.org/10.2495/DNE-V13-N2-176-186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Applications of game theory to design and operation of modern power systems: a comprehensive review

Navon, Aviad; Yosef, Gefen Ben; Machlev, Ram; Shapira, Shmuel; Chowdhury, Nilanjan Roy; **Belikov, Juri**; Orda, Ariel; Levron, Yoash Energies 2020 / art. 3982, 34 p <https://doi.org/10.3390/en13153982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applications of the models

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 141-154 https://doi.org/10.1007/978-3-030-68150-0_7 [Article collection metrics at Scopus](#) [Article at Scopus](#)

An approach to analyze the performance of advanced manufacturing environment

Mahmood, Kashif; **Otto, Tauno**; **Golova, Jelena**; **Kangru, Tavo**; **Kuts, Vladimir** Procedia CIRP 2020 / p. 628–633 <https://doi.org/10.1016/j.procir.2020.04.042> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

An approach to develop a digital twin for industry 4.0 systems : manufacturing automation case studies

Guerra-Zubiaga, David; **Kuts, Vladimir**; **Mahmood, Kashif**; **Bondar, Alex**; Nasajpour-Esfahani, Navid; **Otto, Tauno** International Journal of Computer Integrated Manufacturing 2021 / p. 933-949 : ill <https://doi.org/10.1080/0951192X.2021.1946857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent

Puthiya Veetil, Sanoop Kumar; **Rebane, Kaarel**; **Yörük, Can Rüstü**; **Lopp, Margus**; **Trikkell, Andres**; **Hitch, Michael William** Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Areeba : an area efficient binary huff-curve architecture

Sajid, Asher; Rashid, Muhammad; Jamal, Sajjad Shaukat; **Imran, Malik**; Alotaibi, Saud S.; Sinky, Mohammed H. Electronics (Switzerland) 2021 / art. 1490 <https://doi.org/10.3390/electronics10121490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The ARROWS project : robotic technologies for underwater archaeology

Allotta, Benedetto; Costanzi, Riccardo; Ridolfi, Alessandro; Salvetti, Ovidio; Reggiannini, Marco; **Kruusmaa, Maarja**; **Salumäe, Taavi**; Lane, David M. Mike; Frost, Gordon; Tsiogkas, Nikolaos; Cocco, Michele IOP conference series : materials science and engineering 2018 / art. 012088 <https://doi.org/10.1088/1757-899X/364/1/012088> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ash and flue gas from oil shale oxy-fuel circulating fluidized bed combustion

Loo, Lauri; **Konist, Alar**; **Nešumajev, Dmitri**; **Pihu, Tõnu**; **Maaten, Birgit**; **Siirde, Andres** Energies 2018 / art. 1218, 12 p. : ill <https://doi.org/10.3390/en11051218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessing the applicability of the European standard EN 17037:2018 for office spaces in a cold climate

Sepulveda Luque, Abel; **De Luca, Francesco**; **Varjas, Toivo**; **Kurnitski, Jarek** Building and environment 2022 / art. 109602 <https://doi.org/10.1016/j.buildenv.2022.109602> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of 3D printed steels and composites intended for wear applications in abrasive, dry or slurry erosive conditions

Kumar, Rahul, 1993-; **Antonov, Maksim**; Beste, U.; **Goljandin, Dmitri** International journal of refractory metals and hard materials 2020 / art. 105126, 9 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of abrasive powder behaviour during impact-abrasive wear of PCD elements

Gomon, Dmitri; **Auriemma, Fabio**; **Antonov, Maksim** Wear 2019 / p. 151-161 : ill <https://doi.org/10.1016/j.wear.2019.03.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of along-normal uncertainties for application to terrestrial laser scanning surveys of engineering structures

Mill, Tarvo; **Ellmann, Artu** Survey review 2019 / p. 1-16 : ill <https://doi.org/10.1080/00396265.2017.1361565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of associations between arterial mechanical properties and biochemical blood markers for early detection of atherosclerosis

Kööts, Kristina; **Pilt, Kristjan**; Sepa, Madis; Pikta, Marika; **Fridolin, Ivo**; **Meigas, Kalju**; **Viigimaa, Margus** 8th European Medical and Biological Engineering Conference : proceedings of the EMBEC 2020, November 29 – December 3, 2020 Portorož, Slovenia 2021 / p. 121-129 https://doi.org/10.1007/978-3-030-64610-3_15 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea)

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi *Frontiers in marine science* 2019 / art. 54, 16 p. : ill

<https://doi.org/10.3389/fmars.2019.00054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of malicious tweets impact on stock market prices

Ishikawa, Tatsuki; Ben Sassi, Imen; Ben Yahia, Sadok *Research Challenges in Information Science : 15th International*

Conference, RCIS 2021, Limassol, Cyprus, May 11–14, 2021 : proceedings 2021 / p. 330–346 https://doi.org/10.1007/978-3-030-75018-3_22 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Asymmetric NDI electron transporting SAM materials for application in photovoltaic devices

Svirskaitė, Lauryna Monika; Mandati, Sreekanth; Spalatu, Nicolae; Malinauskienė, Vida; Karazhanov, Smagul; Getautis, Vytautas;

Malinauskas, Tadas *Synthetic metals* 2022 / art. 117214 <https://doi.org/10.1016/j.synthmet.2022.117214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Augmented reality based on Apollo lunar imagery : searching for stars and adding virtual objects

Pustönski, Vladislav-Venjamin *Presence : virtual and augmented reality* 2022 / p. 203 - 227 https://doi.org/10.1162/pres_a_00393

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated identification of application-dependent safe faults in automotive systems-on-a-chips

Bagbaba, Ahmet Cagri; Augusto da Silva, Felipe; Sonza Reorda, Matteo; Hamdioui, Said; **Jenihhin, Maksim;** Sauer, Christian

Electronics 2022 / art. 319 <https://doi.org/10.3390/electronics11030319> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel

Annus, Paul; Priidel, Eiko; Land, Raul; Metshein, Margus; Krivošei, Andrei; Min, Mart; Ratassepp, Madis; Märten, Olev 8th

European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 https://doi.org/10.1007/978-3-030-64610-3_18 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Mirallas, Alvaro; Petlenkov, Eduard *IEEE Access* 2022 / p.

51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Autonomous driving in the real-world : the weather challenge in the Sohjoa Baltic Project

Bellone, Mauro; Ismailogullari, Azat; Müür, Jaanus; Nissin, Oscar; **Sell, Raivo; Soe, Ralf-Martin** *Towards connected and*

autonomous vehicle highways : technical, security and social challenges 2021 / p. 229–255 https://doi.org/10.1007/978-3-030-66042-0_9 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Autonomous vehicle safety evaluation through a high-fidelity simulation approach

Malayjerdi, Mohsen; Baykara, Baris Cem; Sell, Raivo; Malayjerdi, Ehsan *Proceedings of the Estonian Academy of Sciences*

2021 / p. 413-421 : ill <https://doi.org/10.3176/proc.2021.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Autothermal Siberian pine nutshell pyrolysis maintained by exothermic reactions

Astafev, Alexander; Shanenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; Preis, Sergei *Energies* 2022 / art. 7118

<https://doi.org/10.3390/en15197118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Average residual stresses in hard Physical Vapor Deposited (PVD) coatings

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Mikli, Valdek; Adoberg, Eron; Vagiström, Heinar; Kübarsepp, Jakob; Peetsalu,

Priidu *Modern Materials and Manufacturing* 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference *Modern Materials and Manufacturing* 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.20> <https://www.scientific.net/KEM.799.20> https://www.eester.ee/record=b5235278*est [Conference proceeding at Scopus](#) [Article at Scopus](#)

Backstepping-based output feedback boundary control for coupled fractional reaction-diffusion systems

Zhuang, Bo; Cui, Bao-Tong; Lou, Xu-Yang; Chen, Juan *Zidonghua Xuebao/Acta Automatica Sinica* 2022 / p. 2729 - 2743

<https://doi.org/10.16383/j.aas.c190389> [Journal metrics at Scopus](#) [Article at Scopus](#)

Bacterial communities associated with healthy and diseased (skeletal growth anomaly) reef coral *Acropora cytherea* from Palk Bay, India

Rajasabapathy, Raju; Ramasamy, Kesava Priyan; Manikandan, Balakrishnan; Mohandass, Chellandi; James, Rathinam Arthur

Frontiers in marine science 2020 / art. 92, 8 p. : ill <https://doi.org/10.3389/fmars.2020.00092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Batch and fed-batch ethanol fermentation of cheese-whey powder with mixed cultures of different yeasts

Farkas, Csilla; Rezessy-Szabo, Judit M.; **Gupta, Vijai Kumar**; Bujna, Erika; Pham, Tuan M.; Pásztor-Huszár, K.; Friedrich, László; Bhat, Rajeev; Thakur, Vijay Kumar; Nguyen, Quang D. *Energies* 2019 / Art. 4495 <https://doi.org/10.3390/en12234495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Battery size optimization with customer PV installations and domestic load profile

Shabbir, Noman; Kütt, Lauri; Astapov, Victor; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** *IEEE Access* 2022 / p. 13012-13025 : ill <https://doi.org/10.1109/ACCESS.2022.3147977> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bearing fault analysis of BLDC motor for electric scooter application

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Rassõlkin, Anton; Kallaste, Ants; Lukichev, Dmitry *Designs* 2020 / art. 42, 18 p. : ill <https://doi.org/10.3390/designs4040042> [Journal metrics at Scopus](#) [Article at Scopus](#)

Behaviour of tungsten alloy with iron and nickel under repeated high temperature plasma pulses

Laas, T.; Laas, K.; Paju, J.; **Priimets, Jaanis**; Töкке, Siim; Väli, B.; **Shirokova, Veronika; Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. *Fusion engineering and design* 2020 / art. 111408 <https://doi.org/10.1016/j.fusengdes.2019.111408> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Benchmark of methods for annual glare risk assessment

Sepulveda Luque, Abel; Bueno, Bruno; Wang, Taoning; Wilson, Helen Rose *Building and environment* 2021 / art. 108006 <https://doi.org/10.1016/j.buildenv.2021.108006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bending and pull-out tests on a novel screw type reinforcement for extrusion-based 3D printed concrete

Hass, Lauri; Bos, Freek *Second RILEM International Conference on Concrete and Digital Fabrication : Digital Concrete 2020* 2020 / p. 632-645 : ill https://doi.org/10.1007/978-3-030-49916-7_64 [Journal metrics at Scopus](#) [Article at Scopus](#)

Besicovitch pseudodistances with respect to non-følner sequences

Capobianco, Silvio; Guillon, Pierre *Complex Systems* 2021 / p. 133 - 158 <https://doi.org/10.25088/COMPLEXSYSTEMS.30.2.133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional DC-DC converter for modular residential battery energy storage systems

Chub, Andrii; Vinnikov, Dmitri; Kosenko, Roman; Liivik, Liisa; Galkin, Ilya *IEEE transactions on industrial electronics* 2020 / p. 1944-1955 : ill <https://doi.org/10.1109/TIE.2019.2902828> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional isolated current source DAB converter with extended ZVS/ZCS range and reduced energy circulation for storage applications

Blinov, Andrei; Kosenko, Roman; Vinnikov, Dmitri; Parsa, Leila *IEEE transactions on industrial electronics* 2020 / p. 10552-10563 <https://doi.org/10.1109/TIE.2019.2958291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional isolated hexamode DC-DC converter

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri *IEEE transactions on power electronics* 2022 / p. 12264-12278 <https://doi.org/10.1109/TPEL.2022.3170229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional soft-switching dc-dc converter for battery energy storage systems

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Vinnikov, Dmitri *IET power electronics* 2018 / p. 2000-2009 : ill <https://doi.org/10.1049/iet-pel.2018.5054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional twisted single-stage single-phase buck-boost DC-AC converter

Husev, Oleksandr; Matiushkin, Oleksandr; Roncero-Clemente, Carlos; **Vinnikov, Dmitri**; Chopyk, Vasiliy *Energies* 2019 / art. 3505, 14 p. : ill <https://doi.org/10.3390/en12183505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bifunctional platinum-free mixed metal oxygen electrocatalysts based on naturally abundant peat

Teppor, Patrick; Jäger, Rutha; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Koppel, Mirjam; Lust, Enn *ECS Meeting Abstracts* 2022 / p. 29-37 : ill <https://doi.org/10.1149/10807.0029ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

Bilateral output feedback control of fractional PDEs with space-dependent coefficients

Chen, Juan; Teplyakov, Aleksei; Petlenkov, Eduard; Zhuang, Bo *IFAC-PapersOnLine* 2020 / p. 3743 - 3748 <https://doi.org/10.1016/j.ifacol.2020.12.2555> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The BIM-based building permit process : factors affecting adoption

Ullah, Kaleem; Witt, Emlyn David Qivitoq; Lill, Irene *Buildings* 2022 / art. 45 <https://doi.org/10.3390/buildings12010045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bioceramic scaffolds by additive manufacturing for controlled delivery of the antibiotic vancomycin

Kamboj, Nikhil Kumar; Rodriguez, Miguel Angel; **Rahmani Ahranjani, Ramin;** **Prashanth, Konda Gokuldoss;** **Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill <https://doi.org/10.3176/proc.2019.2.10>
http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-185-190.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bioimpedance sensors : instrumentation, models, and applications

Naranjo-Hernández, David; **Reina-Tosina, Javier;** **Buendía, Rubén;** **Min, Mart** Journal of Sensors 2019 / art. 5078209
<https://doi.org/10.1155/2019/5078209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bio-inspired TiB2-TiB-TiN lattices by selective laser melting

Liu, Le; **Minasyan, Tatevik;** **Kamboj, Nikhil;** **Aydinyan, Sofiya;** **Hussainova, Irina** Materials Letters 2020 / art. 128337
<https://doi.org/10.1016/j.matlet.2020.128337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biomimetic design of implants for long bone critical-sized defects

Rezapourianghahfarokhi, Mansoureh; **Kamboj, Nikhil Kumar;** **Jasiuk, Iwona;** **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 <https://doi.org/10.1016/j.jmbbm.2022.105370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biomorphic porous Ti6Al4V gyroid scaffolds for bone implant applications fabricated by selective laser melting

Hameed, Pearlin; **Liu, Chia-Fei;** **Ummethala, Raghunandan;** **Singh, Neera;** **Huang, Her-Hsiung;** **Manivasagam, Geetha;** **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2021 / p. 455–469 : ill <https://doi.org/10.1007/s40964-021-00210-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid

Iqbal, Muhammad Naveed; **Kütt, Lauri;** **Daniel, Kamran;** **Jarkovoi, Marek;** **Asad, Bilal;** **Shabbir, Noman** Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill <https://doi.org/10.3176/proc.2021.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Black start and fault tolerant operation of isolated matrix converter for DC microgrids

Emiliani, Pietro; **Blinov, Andrei;** **Chub, Andrii;** **de Carne, Giovanni;** **Vinnikov, Dmitri** IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / 5 p <https://doi.org/10.1109/IECON49645.2022.9968735> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Blended antilock braking system control method for all-wheel drive electric sport utility vehicle

Aksjonov, Andrei; **Vodovozov, Valery;** **Augsburg, Klaus;** **Petlenkov, Eduard** Electrimacs 2019 : Selected Papers, Vol. 1 2020 / p. 229–241 https://doi.org/10.1007/978-3-030-37161-6_17 [Conference proceeding at Scopus](#) [Article at Scopus](#)

Blockchain and smart contracts for entrepreneurial collaboration in maritime supply chains

Philipp, Robert; **Prause, Gunnar Klaus;** **Gerlitz, Laima** Transport and telecommunication journal 2019 / p. 365–378
<https://doi.org/10.2478/tjt-2019-0030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Blue growth potential in South Baltic Sea region

Philipp, Robert; **Prause, Gunnar Klaus;** **Meyer, Christopher** Transport and telecommunication journal 2020 / p. 69–83
<https://doi.org/10.2478/tjt-2020-0006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Boost half-bridge DC-DC converter with reconfigurable rectifier for ultra-wide input voltage range applications

Vinnikov, Dmitri; **Chub, Andrii;** **Liivik, Elizaveta;** **Blaabjerg, Frede;** **Siwakoti, Yam P.** 2018 IEEE Applied Power Electronics Conference and Exposition (APEC 2018), San Antonio, Texas, USA, 4–8 March 2018 2018 / p. 1528–1532 : ill
<https://doi.org/10.1109/APEC.2018.8341219> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Boundary Mittag-Leffler stabilization of coupled time fractional order reaction–advection–diffusion systems with non-constant coefficients

Chen, Juan; **Tepljakov, Aleksei;** **Petlenkov, Eduard;** **Chen, YangQuan;** **Zhuang, Bo** Systems & control letters 2021 / art. 104875
<https://doi.org/10.1016/j.sysconle.2021.104875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Boundary state and output feedbacks for underactuated systems of coupled time-fractional PDEs with different space-dependent diffusivity

Chen, Juan; **Tepljakov, Aleksei;** **Petlenkov, Eduard;** **Zhuang, Bo** International journal of systems science 2020 / p. 2922–2942
<https://doi.org/10.1080/00207721.2020.1803442> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bridging the gap in technology transfer for advanced process control with industrial applications

Vansovits, Vitali; **Petlenkov, Eduard;** **Tepljakov, Aleksei;** **Vassiljeva, Kristina;** **Belikov, Yuri** Sensors 2022 / art. 4149
<https://doi.org/10.3390/s22114149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A brief tutorial overview of disturbance observers for nonlinear systems : application to flatness-based control

Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 57-73 : ill
<https://doi.org/10.3176/proc.2020.1.07> http://www.kirj.ee/33035/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Broken rotor bar fault detection of the grid and inverter-fed induction motor by effective attenuation of the fundamental component
Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed IET electric power applications 2019 / p. 2005–2014 <https://doi.org/10.1049/iet-epa.2019.0350> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Business intelligence and analytics: On-demand ETL over document stores
Souibgui, Manel; Atigui, Faten; **Ben Yahia, Sadok**; Si-Said Cherfi, Samira Research Challenges in Information Science : 14th International Conference, RCIS 2020, Limassol, Cyprus, September 23-25, 2020 : Proceedings 2020 / p. 556-561
https://doi.org/10.1007/978-3-030-50316-1_38 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Business process efficiency in a digital economy
Prokopenko, Olha; Shmorgun, Leonid; Kushniruk, Viktor International journal of management 2020 / p. 122–132 : ill
<https://doi.org/10.17605/OSF.IO/R7C65> [Journal metrics at Scopus](#) [Article at Scopus](#)

Business process optimization based on logistics concepts and technologies
Prokopenko, Olha; Dikiy, Alexander; Butenko, Nataliia; Naumenko, Mariya; Dedilova, Tetiana; Miroshnyk, Roman International journal of advanced research in engineering and technology 2020 / p. 184–196
http://www.iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_6/IJARET_11_06_017.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

CaF₂ solidstate electrolytes prepared by vapor pressure exposure and solid synthesis for defect and ionic conductivity tuning
Molaiyan, Palanivel; Witter, Raiker Material design & processing communications 2020 / art. e76, 6 p. : ill
<https://onlinelibrary.wiley.com/doi/epdf/10.1002/mdp2.76> <https://doi.org/10.1002/mdp2.76> [Journal metrics at Scopus](#) [Article at Scopus](#)

Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure
Aryassov, G.; Gornostajev, Dmitri; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 835–853
<https://doi.org/10.2478/ijame-2018-0046> [Journal metrics at Scopus](#) [Article at Scopus](#)

Can 3D printing bring droplet microfluidics to every lab? - A systematic review
Gyimah, Nafisat; Scheler, Ott; Rang, Toomas; Pardy, Tamas Micromachines 2021 / art. 339 <https://doi.org/10.3390/mi12030339>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carbon aerogel platinum-praseodymium oxide nanocatalyst for methanol oxidation in 0.5 M sulfuric acid : (digital presentation)
Prits, Alise-Valentine; Nerut, Jaak; Kasuk, Heili; **Koel, Mihkel**; Sepp, Silver; Valk, Peeter; Aruväli, Jaan; Koppel, Miriam; **Mikli, Valdek; Volobujeva, Olga**; Lust, Enn ECS transactions 2022 / art. 79 <https://doi.org/10.1149/10807.0079ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

Carbon aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides
Jõul, Piia; Vaher, Merike; Kuhtinskaja, Maria Analytical methods 2021 / p. 69–76 : ill <https://doi.org/10.1039/D0AY02002H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms
Wang, Xue; Ni, Wen; Li, Jiajie; Zhang, Siqi; **Hitch, Michael William**; Pascual, Rodrigo Cement and Concrete Research 2019 / art. 105893, 12 p. : ill <https://doi.org/10.1016/j.cemconres.2019.105893> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carrier level-shifted based control method for the PWM 3L-T-Type qZS inverter with capacitor imbalance compensation
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Ruiz-Cortes, Mercedes; **Husev, Oleksandr** IEEE transactions on industrial electronics 2018 / p. 8297-8306 : ill <https://doi.org/10.1109/TIE.2018.2814020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cascade sub-low temperature district heating networks in existing district heating systems
Volkova, Anna; Reuter, Stefan; Puschnigg, Stefan Smart Energy 2022 / art. 100064 <https://doi.org/10.1016/j.segy.2022.100064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Case study in experiential learning - from chaos to order: sensemaking with the interactive timeline tool in architecture and civil engineering studies
Nutt, Nele; Salmistu, Sirle; Meitl, Cassi; Karu, Katrin Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 1300-1311 <https://doi.org/10.1007/978-3->

A case study on the spatial variability of strength in a SFRSCC slab and its correlation with fibre orientation

Kartofelev, Dmitri; Goidyk, Oksana; Herrmann, Heiko Proceedings of the Estonian Academy of Sciences 2020 / p. 298-310 : ill
<https://doi.org/10.3176/proc.2020.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Catalytic effect of oil shale ash on CO₂ gasification of leached wheat straw and reed chars

Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; Rosin, Argo Energy 2018 / p. 906-913
<https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Causality and interpretation : a new design model inspired by the Aristotelian legacy

Pikas, Ergo; Koskela, Lauri; Seppänen, Olli Construction management and economics 2022 / p. 507-525 : ill
<https://doi.org/10.1080/01446193.2021.1934884> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Causality in strain gradient elasticity: An internal variables approach

Berezovski, Arkadi Mechanics research communications 2022 / art. 103997 <https://doi.org/10.1016/j.mechrescom.2022.103997> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Centimetre-range deformations of built environment revealed by drone-based photogrammetry

Varbla, Sander; Ellmann, Artu; Puust, Raido Automation in Construction 2021 / art. 103787
<https://doi.org/10.1016/j.autcon.2021.103787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cermets with Fe-alloy binder : a review

Kübarsepp, Jakob; Juhani, Kristjan International journal of refractory metals and hard materials 2020 / art. 105290, 25 p. : ill
<https://doi.org/10.1016/j.jrmhm.2020.105290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CFD analyses on the water entry process of a freefall lifeboat

Huang, Luofeng; Tavakoli, Sasan; Li, Minghao; Dolatshah, Azam; Pena, Blanca; Ding, Boyin; **Dashtimanesh, Abbas** Ocean engineering 2021 / art. 109115, 11 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Challenges and perspectives in control of ionic polymer-metal composite (IPMC) actuators : a survey

Aabloo, Alvo; **Belikov, Juri; Kaparin, Vadim; Kotta, Ülle** IEEE Access 2021 / art. 9133056, p. 121059-121073
<https://doi.org/10.1109/ACCESS.2020.3007020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Challenges of applying e-learning in the libyan higher education system

Ghawail, Entisar Alhadi Al; **Ben Yahia, Sadok; Alrshah, Mohamed A.** International journal of advanced trends in computer science and engineering 2019 / p. 38-43 : ill <https://doi.org/10.30534/ijatcse/2019/0681.42019> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Challenges of civic engagement in the (post-socialist) transitional society: experiences from waterfront urban areas
Mezapark in Riga and Kalarand in Tallinn**

Prilenska, Viktorija; Paadam, Katrin; Liias, Roode Journal of architecture and urbanism 2020 / p. 109-121
<https://doi.org/10.3846/jau.2020.12223> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Challenges of microgrids in remote communities: a STEEP model application

Akinyele, Daniel; **Belikov, Juri; Levron, Yoash** Energies 2018 / art. 432, 35 p. : ill <https://doi.org/10.3390/en11020432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

Challenges of smart grids implementation

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 1-15
https://doi.org/10.1007/978-981-15-4627-3_1 [Journal metrics at Scopus](#) [Article at Scopus](#)

Challenges of teaching programming in StackOverflow era

Pöial, Jaanus Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 703-710 https://doi.org/10.1007/978-3-030-68198-2_65 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Change in the parameters of electron-irradiated 4H-SiC Schottky diodes as a function of the time during low-temperature isothermal annealing

Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; Toompuu, Jana; Sleptsuk, Natalja; Rang, Toomas Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 734-737 <https://doi.org/10.4028/www.scientific.net/MSF.963.734> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Changes in EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study

Uudeberg, Tuuli; Hinrikus, Hiie; Päeske, Laura; Lass, Jaanus; Bachmann, Maie 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Characterizing energy flexibility of buildings with electric vehicles and shiftable appliances on single building level and aggregated level

Azizi, Elnaz; Ahmadihangar, Roya; Rosin, Argo; Bolouki, Sadegh Sustainable cities and society 2022 / art. 103999
<https://doi.org/10.1016/j.scs.2022.103999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterizing the biofunctionalization of gold surface with total internal reflection fluorescence (TIRF) microscopy

Ehrminger, Robin Benjamin; Kopantšuk, Sergei; **Kivirand, Kairi; Min, Mart** Proceedings of the Estonian Academy of Sciences 2020 / p. 27-34 : ill <https://doi.org/10.3176/proc.2020.1.02> http://www.kirj.ee/33001/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterizing the bond properties of automatically placed helical reinforcement in 3D printed concrete

Hass, Lauri; Bos, F.P.; Salet, T.A.M. Construction and building materials 2022 / art. 129228, 16 p. : ill
<https://doi.org/10.1016/j.conbuildmat.2022.129228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Charring performance of timber structures protected by traditional lime-based plasters

Liblik, Johanna; Nurk, Meeri; Just, Alar Construction and building materials 2022 / art. 128572
<https://doi.org/10.1016/j.conbuildmat.2022.128572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical etching of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin powder materials for solar cell applications

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Danilson, Mati; Grossberg, Maarja; Kauk-Kuusik, Marit Materials science in semiconductor processing 2022 / art. 106291 <https://doi.org/10.1016/j.mssp.2021.106291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Circular economy approach to recycling technologies of post-consumer textile waste in Estonia : a review

Hussain, Abrar; Kamboj, Nikhil Kumar; Podgurski, Vitali; Antonov, Maksim; Goljandin, Dmitri Proceedings of the Estonian Academy of Sciences 2021 / p. 80-90 : ill <https://doi.org/10.3176/proc.2021.1.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cities4ZERO approach to foresight for fostering smart energy transition on municipal level

Tatar, Merit; **Kalvet, Tarmo; Tiits, Marek** Energies 2020 / art. 3533 <https://doi.org/10.3390/en13143533> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Classification algorithm improvement for physical activity recognition in maritime environments

Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 13-17 https://doi.org/10.1007/978-981-10-9023-3_3 [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

Cleaning of floating photovoltaic systems : a critical review on approaches from technical and economic perspectives

Zahedi, Rafi; Ranjbaran, Parisa; Gharehpajian, Gevork B.; Mohammadi, Fazel; **Ahmadihangar, Roya** Energies 2021 / art. 2018, 25 p. : ill <https://doi.org/10.3390/en14072018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cleaning procedure for the screen-printed RuO₂ pH electrodes

Lazouskaya, Maryna; Vetik, Iuliia; Uppuluri, Kiranmai; Razmi, Nasrin; **Scheler, Ott** IEEE Sensors 2022 : Dallas, Texas, USA : 30 October 2022 - 02 November 2022 : Sensors 2022 conference proceedings 2022 / 4 p. : ill
<https://doi.org/10.1109/SENSOR52175.2022.9967177> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Closed-loop control system design for wireless charging of low-voltage EV batteries with time-delay constraints

Shevchenko, Viktor; Pakhaliuk, Bohdan; Zakis, Janis; Veligorskyi, Oleksandr; Luszcz, Jaroslaw; **Husev, Oleksandr;** Lytwin, Oksana; **Matiushkin, Oleksandr** Energies 2021 / art. 3934, 21 p. : ill <https://doi.org/10.3390/en14133934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Article at WOS](#)

Clustering-based penalty signal design for flexibility utilization

Rosin, Argo; Ahmadihangar, Roya; Azizi, Elnaz; Sahoo, Subham; **Vinnikov, Dmitri;** Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860 <https://doi.org/10.1109/ACCESS.2020.3038822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CO₂ emission intensity of the Estonian DH sector

Latšov, Eduard; Umbleja, Siim; **Volkova, Anna** Smart Energy 2022 / art. 100070 <https://doi.org/10.1016/j.segy.2022.100070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Coalitional game-based transactive energy management in local energy communities

Feng, Changsen; **Wen, Fushuan;** You, Shi; Li, Zhiyi; Shahnian, Farhad; Shahidepour, Mohammad IEEE Transactions on Power

Systems 2020 / p. 1729 - 1740 <https://doi.org/10.1109/TPWRS.2019.2957537> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cobalt and nitrogen co-doped peat derived carbon based catalysts for oxygen reduction

Jäger, Rutha; Teppor, Patrick; Härk, Eneli; Härmas, Meelis; Adamson, Anu; Paalo, Maarja; **Volobujeva, Olga**; Kikas, Arvo; Kochovski, Zdravko; Romann, Tavo ECS Transactions 2020 / p. 605-613 : ill <https://doi.org/10.1149/09707.0605ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

CoB-TiB₂ crystalline powders : Synthesis, microstructural analysis and their utilization as reinforcement agent

Khoshshima, Sina; Altıntaş, Zerrin; Burkhardt, Ulrich; Schmidt, Marcus; **Prashanth, Konda Gokuldoss**; Somer, Mehmet; Balci, Özge Advanced powder technology 2020 / p. 2964-2972 <https://doi.org/10.1016/j.appt.2020.05.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Coding the smart city : preface

Vainio, Teija; Hodson, Elise; Sayün, Michel Nader; Soe, Ralf-Martin Interaction design and architecture(s) 2021 / p. 59-62 https://ixdea.org/wp-content/uploads/ixDEA_art/50/50_P_fs2.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Collaborative project management framework for partner network initiation in machining domain [Online resource]

Ševtšenko, Eduard; Polyantchikov, Igor; **Mahmood, Kashif**; Kangilaski, Taivo; **Norta, Alexander**; **Karaulova, Tatjana**; Perm, Ardo Proceedings of the 18th Online World Conference on Soft Computing in Industrial Applications (WSC18) 2018 / p. 215-233 : ill https://doi.org/10.1007/978-3-030-00612-9_19 <https://link.springer.com/content/pdf/bfm%3A978-3-030-00612-9%2F1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

A combined analytical model for increasing the accuracy of heat emission predictions in rooms heated by radiators

Võsa, Karl-Villem; **Ferrantelli, Andrea**; **Kurnitski, Jarek** Journal of building engineering 2019 / p. 291-300 <https://doi.org/10.1016/j.jobte.2019.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined effect of heavy metals on the activated sludge process

Lember, Erki; Retšnoi, Vitali; **Pachel, Karin**; **Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2018 / p. 305-314 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-305-314.pdf <https://doi.org/10.3176/proc.2018.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined strain rate, mesh size and calibration test influence on structural failure : Miniature ship grounding test

Calle, Miguel A. G.; Oshiro, Roberto E.; **Kõrgesaar, Mihkel** Ocean engineering 2019 / p. 215-226 : ill <https://doi.org/10.1016/j.oceaneng.2019.01.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comments on 'A new kind of nonlinear disturbance observer for nonlinear systems with applications to cruise control of air-breathing hypersonic vehicles'

Kaldmäe, Arvo; **Kotta, Ülle** International journal of control 2020 / p. 1725 <https://doi.org/10.1080/00207179.2018.1529436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comments on "PBH tests for nonlinear systems"

Sarafrazi, Mohammad Amin; Bartosiewicz, Zbigniew; **Kotta, Ülle** Automatica 2020 / art. 108617 <https://doi.org/10.1016/j.automatica.2019.108617> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Common-mode voltage analysis and reduction for the quasi-Z-source inverter with a split inductor

Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; **Liivik, Elizaveta**; **Vinnikov, Dmitri**; Blaabjerg, Frede Applied sciences 2020 / art. 8713, 13 p. : ill <https://doi.org/10.3390/app10238713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Compact empirical model for droplet generation in a Lab-on-Chip cytometry system

Pärnamets, Kaiser; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Gyimah, Nafisat**; **Rang, Toomas** IEEE Access 2022 / p. 127708-127717 <https://doi.org/10.1109/ACCESS.2022.3226623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative analysis of high power density bidirectional DC-DC converters for portable energy storage applications

Tytelmaier, Kostiantyn; Zakis, Janis; **Husev, Oleksandr**; **Vinnikov, Dmitri** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 33-41 : ill <https://doi.org/10.5755/j01.eie.24.6.22287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative analysis of intelligent braking controllers for electric vehicles

Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Renewable energy and power quality journal 2022 / p. 55-60 <https://doi.org/10.24084/repqj20.217> [Journal metrics at Scopus](#) [Article at Scopus](#)

Comparative analysis of zigbee based wireless sensor networks (WSNs)

Shabbir, Noman; Hassan, Syed R.; **Iqbal, Muhammad N.**; **Kütt, Lauri**; Unbreen, A. International journal of recent technology and engineering 2019 / p. 980-984 : ill <https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application
Sleptšuk, Natalja; Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg**; **Toompuu, Jana**; **Land, Raul**; **Mikli, Valdek**; Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill https://www.ester.ee/record=b5235278*est <https://www.scientific.net/KEM.799.185> <https://doi.org/10.4028/www.scientific.net/KEM.799.185> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons

Kozlovski, Vitali V.; **Korolkov, Oleg**; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptšuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 <https://doi.org/10.4028/www.scientific.net/MSF.1004.231> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Comparative simulation study of pump system efficiency driven by induction and synchronous reluctance motors

Gevorkov, Levon; Dominguez-Garcia, Jose Luis; **Rassõlkin, Anton**; **Vaimann, Toomas** Energies 2022 / art. 4068 <https://doi.org/10.3390/en15114068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparative study of marginal loss pricing algorithms in electricity markets

Yang, Jiajia; Dong, Zhao Yang; **Wen, Fushuan** IET generation, transmission and distribution 2021 / 13 p. : ill <https://doi.org/10.1049/gtd2.12030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparative study of the growth dynamics and tribological properties of nanocrystalline diamondfilms deposited on the (110) single crystaldiamond and Si(100) substrates

Podgurski, Vitali; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Volobujeva, Olga**; **Mere, Arvo**; **Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill <https://doi.org/10.1016/j.diamond.2018.12.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of the phase-integrated converter as universal power converter

Husev, Oleksandr; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri**; **Vosoughi Kurdkandi, Naser**; Kouro, Samir Annual IEEE Conference on Applied Power Electronics Conference and Exposition (APEC) 2022 / p. 58-63 <https://doi.org/10.1109/APEC43599.2022.9773553> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Comparing a 41-year model hindcast with decades of wave measurements from the Baltic Sea

Björkqvist, Jan-Victor; Lukas, Ingvar; **Alari, Victor**; **Männik, Aarne** Ocean engineering 2018 / p. 57-71 : ill <https://doi.org/10.1016/j.oceaneng.2018.01.048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparing the leaching behavior of phosphorus, aluminum and iron from post-precipitated tertiary sludge and anaerobically digested sewage sludge aiming at phosphorus recovery

Monea, Marlena; Löhr, Dirk Karsten; Meyer, Carsten; **Ivanova Drenkova-Tuhtan, Asya** Journal of cleaner production 2020 / art. 119129, 8 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119129> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders

Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2020.154603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of flux-switching and interior permanent magnet synchronous generators for direct-driven wind applications based on nelder–mead optimal designing

Prakht, Vladimir; Dmitrievskii, Vladimir; Kazakbaev, Vadim; **Andriushchenko, Ekaterina** Mathematics 2021 / art. 732 <https://doi.org/10.3390/math9070732> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of model order reduction methods for a switched reluctance machine characterization

Boumesbah, Allaa Eddine; Martin, Florian; Krebs, Guillaume; **Belahcen, Anouar**; Marchand, Claude IEEE transactions on magnetics 2021 / art. 9355193, 7 p. : ill <https://doi.org/10.1109/TMAG.2021.3059969> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of performance-based specification properties for asphalt binders sourced from around the world

Lill, Kristjan; Khan, Ahmad Nawaz; **Kontson, Karli**; Hesp, Simon A. M. Construction and building materials 2020 / art. 120552, 8 p <https://doi.org/10.1016/j.conbuildmat.2020.120552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the carbon nanofiber-/fiber- and silicone-based electrodes for bioimpedance measurements

Kõiv, Hip; Pesti, Ksenija; Min, Mart; Land, Raul; Must, Indrek IEEE transactions on instrumentation and measurement 2020 / p. 1455-1463 <https://doi.org/10.1109/TIM.2019.2962297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Compensation topologies in IPT Systems : standards, requirements, classification, analysis, comparison and application

Shevchenko, Viktor; Husev, Oleksandr; Strzelecki, Ryszard IEEE Access 2019 / art. 2937891, p. 120559–120580 : ill <https://doi.org/10.1109/ACCESS.2019.2937891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Competence approach in future specialist skills development

Prokopenko, Olha; Osadchenko, Inna; Braslavska, Oksana; Malyshevskaya, Iryna; Pichkur, Mykola; Tyshchenko, Viktoriia International journal of management 2020 / p. 645-656 : ill https://iaeme.com/Home/article_id/IJM_11_04_062 [Journal metrics at Scopus](#) [Article at Scopus](#)

Competition between densification and microstructure of functional materials by Selective Laser Melting

Singh, Neera; Ummethala, Raghunandan; Hameed, Pearlin; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / art. e146, 7 p. : ill <https://doi.org/10.1002/mdp2.146> [Journal metrics at Scopus](#) [Article at Scopus](#)

Complete capillary electrophoresis process on a drone : towards a flying micro-lab

Drevinskas, Tomas; Maruška, Audrius; Girdauskas, Valdas; Dūda, Gediminas; Gorbatoeva, Jelena; Kaljurand, Mihkel Analytical Methods 2020 / p. 4977 - 4986 <https://doi.org/10.1039/d0ay01220c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Component organised learning method for digital supply chain hybrid courses

Murumaa, Lea; Ševtšenko, Eduard; **Karaulova, Tatjana** Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021). Vol. 1 2022 / p. 691-705 https://doi.org/10.1007/978-3-030-93904-5_69 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at Scopus](#)

Composition of engineering drawing through communication skills and social/material interactions from the semiotic aspect

Lille, Harri; Ruus, Aime IOP conference series : materials science and engineering 4th International Conference on Innovative Materials, Structures and Technologies (IMST 2019) : 25–27 September 2019, Riga, Latvia 2019 / art. 012011, 6 p <https://doi.org/10.1088/1757-899X/660/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A comprehensive approach to scenario-based risk management for Arctic waters

Bergström, Martin; Browne, Thomas; Ehlers, Sören; Helle, Inari; Herrnring, Hauke; Khan, Faisal; Kubiczek, Jan; Kujala, Pentti; **Körgešaar, Mihkel;** Leira, Bernt Johan; Parviainen, Tuuli; Polojärvi, Arttu; Suominen, Mikko; Taylor, Rocky; Tuhkuri, Jukka; Vanhatalo, Jarno; Veitch, Brian Ship Technology Research 2022 / p. 129-157 <https://doi.org/10.1080/09377255.2022.2049967> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comprehensive comparative analysis of impedance-source networks for DC and AC application

Husev, Oleksandr; Shults, Tatiana; **Vinnikov, Dmitri; Chub, Andrii** Electronics 2019 / 21 p. : ill <https://doi.org/10.3390/electronics8040405> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comprehensive instrument for identifying critical information infrastructure services

Herrera, Luis-Carlos; Maennel, Olaf Manuel International Journal of Critical Infrastructure Protection 2019 / p. 50-61 : ill <https://doi.org/10.1016/j.ijcip.2019.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comprehensive stepped planing hull systematic series : part 1 - resistance test

Vitiello, Luigi; Mancini, Simone; Bilandi, Rasul Niazmand; Dashtimanesh, Abbas; De Luca, Fabio; Nappo, Vincenzo Ocean engineering 2022 / art. 112242 <https://doi.org/10.1016/j.oceaneng.2022.112242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computation of hysteresis torque and losses in a bearingless synchronous reluctance machine

Belahcen, Anouar; Mukhrejee, Victor; Martin, Florian; Rasilo, Paavo IEEE transactions on magnetism 2018 / art. 7300804, 4 p. : ill <https://doi.org/10.1109/TMAG.2017.2765080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computer science students early drop-out prediction using machine learning : a case study

Maksimova, Natalja; Pentel, Avar; Dunajeva, Olga Learning with Technologies and Technologies in Learning 2022 / p. 523-549 https://doi.org/10.1007/978-3-031-04286-7_25 [Article collection metrics at Scopus](#) [Article at Scopus](#)

COMSPECT : a compact model for green vegetation reflectance spectra in the 400–900 nm wavelength range

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2020 / p. 277-286 : ill <https://doi.org/10.3176/proc.2020.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Concept study of sustainable noise control solution for HVAC systems based on microperforated elements

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri Proceedings of the Estonian Academy of Sciences 2021 / p. 461-469 : ill
<https://doi.org/10.3176/proc.2021.4.13> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Conceptualising building information modelling for construction education

Olowa, Theophilus Oluwarotimi Olatunde; Witt, Emlyn David Qivitoq; Lill, Irene Journal of civil engineering and management 2020 / p. 551-563 <https://doi.org/10.3846/jcem.2020.12918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Confined vortex rings

Danaila, Ionut; Kaplanski, Felix; Sazhin, Sergei Vortex Ring Models 2021 / p. 103 - 119 https://doi.org/10.1007/978-3-030-68150-0_5
[Article collection metrics at Scopus](#) [Article at Scopus](#)

A constitutive model for linear hyperelastic materials with orthotropic inclusions by use of quaternions

Herrmann, Heiko Continuum mechanics and thermodynamics 2021 / p. 1375-1384 <https://doi.org/10.1007/s00161-021-00979-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Construction of gender-specific regression models for aortic length estimation based on computed tomography images

Zemtsovskaja, Galina; Pilt, Kristjan; Samarin, Andrei; **Albina, Jelena; Meigas, Kalju; Viigimaa, Margus** Health and technology 2020 / p. 679–687 : ill <https://doi.org/10.1007/s12553-019-00391-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contact stiffness parameters for finite element modeling of contact

Sivitski, Alina; Põdra, Priit Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 211-216 : ill https://www.ester.ee/record=b5235278*est
<https://www.scientific.net/KEM.799.211> <https://doi.org/10.4028/www.scientific.net/KEM.799.211> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Continuous, near-bed current velocity estimation using pressure and inertial sensing

Ristolainen, Asko; Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja IEEE sensors journal 2019 / p. 12398 - 12406 : ill
<https://doi.org/10.1109/JSEN.2019.2937954> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Continuum mechanics and signals in nerves

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2021 / p. 3–18
<https://doi.org/10.3176/proc.2021.1.02> https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-3-18_20210112191450.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Control of a three-input DC-DC converter suitable for DC motors

Alizadeh Asl, Amin; Hosseini, Seyed Hossein; Vosoughi Kurdkandi, Naser; Alizadeh Asl, Ramin International transactions on electrical energy systems 2022 / art. 4264649, 20 p. : ill <https://doi.org/10.1155/2022/4264649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Control of radial increment and winding density of composite cylindrical shells

Kutin, Aleksei; Arjassov, Gennadi; Vu, Trieu Minh; Musalimov, Victor; Moezzi, Reza; Cyrus, Jindrich MM science journal 2020 / p. 4149–4153 https://doi.org/10.17973/MMSJ.2020_11_2020058 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Controlled bidirectional DC circuit breaker with zero negative current for high load shift applications

Raghavendra I, Venkata; Naik, Satish B.; Sreekanth, Thamballa; Chub, Andrii IEEE transactions on industry applications 2022 / p. 6942-6951 <https://doi.org/10.1109/TIA.2022.3193345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Controlling stormwater runoff from impermeable areas by using smart inlets

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido; Kaur, Katrin New trends in urban drainage modelling : UDM 2018 : Conference proceedings 2019 / p. 263-268 https://doi.org/10.1007/978-3-319-99867-1_44 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cooling thermal comfort and efficiency parameters of ceiling panels, underfloor cooling, fan-assisted radiators, and fan coil

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek Energies 2022 / art. 4156 <https://doi.org/10.3390/en15114156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cooperative scheduler to enhance massive connectivity in 5G and beyond by minimizing interference in OMA and NOMA

Mwakwata, Collins Burton; Elgarhy, Osama Mohamed Mostafa; Alam, Muhammad Mahtab; Le Moullec, Yannick; Päränd, Sven; Trichias, Konstantinos; Ramantas, Kostas IEEE Systems Journal 2022 / p. 5044-5055

Coordinated optimization of parameters of PSS and UPFC-PODCs to improve small-signal stability of a power system with renewable energy generation

He, Ping; Shen, Runjie; **Wen, Fushuan**; Pan, Qi Journal of energy engineering 2021 / p. 04020089-1-04020089-11 : ill

[https://doi.org/10.1061/\(ASCE\)JEY.1943-7897.0000737](https://doi.org/10.1061/(ASCE)JEY.1943-7897.0000737) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Correcting systematic errors in corona losses measured with phasor measurement units

Tuttelberg, Kaur; Löper, Mari; Kilter, Jako IEEE transactions on power delivery 2019 / p. 2275-2277 : ill

<https://doi.org/10.1109/TPWRD.2019.2917610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Correction to: Implementation and evaluation of the DAOM framework and support tool for designing blockchain decentralized applications (International Journal of Information Technology, (2021), 13, 6, (2245-2263), 10.1007/s41870-021-00816-6)

Udokwu, Chibuzor; Brandtner, Patrick; **Norta, Alexander; Kormiltsõn, Aleksandr**; Matulevičius, Raimundas International Journal of Information Technology (Singapore) 2022 <https://doi.org/10.1007/s41870-022-01026-4> [Journal metrics at Scopus](#) [Article at Scopus](#)

Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines”

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; **Kallaste, Ants**; Marques Cardoso, Antonio J.; **Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / p. 62532 <https://doi.org/10.1109/ACCESS.2021.3074827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum to “Patient Access to Electronic Health Records: Differences Across Ten Countries” [Health Policy and Technology, 7 (2018), 44–56] (S2211883717300722) (10.1016/j.hlpt.2017.11.003))

Essén, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; **Ross, Peeter** Health Policy and Technology 2018 / p. 224 <https://doi.org/10.1016/j.hlpt.2018.04.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum to “The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C–Ni cermets” [J. Alloys Compd. 636 (2015) 381–386] (S0925838815005009) (10.1016/j.jallcom.2015.02.071))

Jõelet, Marek; Pirs, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer Journal of alloys and compounds 2018 / p. 128 <https://doi.org/10.1016/j.jallcom.2018.05.128> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum: Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) [Front. Mar. Sci., 6, (2019), (54)] doi: 10.3389/fmars.2019.00054

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Frontiers in Marine Science 2019 / Art. 233

<https://doi.org/10.3389/fmars.2019.00233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost and energy reduction of a New nZEB wooden building

Arumägi, Endrik; Kalamees, Targo Energies 2020 / art. 3570, 16 p. : ill <https://doi.org/10.3390/en13143570> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost savings and CO2 emissions reduction potential in the German district heating system with demand response

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha; Kosonen, Risto**; Janßen, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa Science and Technology for the Built Environment 2022 / p. 255 - 274 <https://doi.org/10.1080/23744731.2021.2018875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost/comfort-oriented clustering-based extended time of use pricing

Azizi, Elnaz; Shotorbani, R.; **Ahmadihangar, Roya**; Mohammadi-Ivatloo, B.; **Rosin, Argo**; Sadiq, R. Sustainable cities and society 2021 / art. 102673, 10 p. : ill <https://doi.org/10.1016/j.scs.2020.102673> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A cost-effective electric vehicle intelligent charge scheduling method for commercial smart parking lots using a simplified convex relaxation technique

Jawad, Muhammad; Qureshi, Muhammad Bilal; Ali, Sahibzada Muhammad; **Shabbir, Noman**; Khan, Muhammad Usman; Aloraini, Afnan; Nawaz, Raheel Sensors 2020 / p. 1-19 <https://doi.org/10.3390/s20174842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

COVID-19's impact on the quality of educational process and the academic performance as viewed by IT students : a case study in text mining

Dunajeva, Olga; Pentel, Avar; **Maksimova, Natalja** ICL 2021: Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021). Vol. 1 2022 / p. 417-425 https://doi.org/10.1007/978-3-030-93904-5_42 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Crashworthiness performance of stiffened bottom tank structure subjected to impact loading conditions : ship-rock interaction

Prabowo, Aditya Rio; Sohn, Jung Min; **Putranto, Teguh** Curved and Layered Structures 2019 / p. 245–258 : ill <https://doi.org/10.1515/cls-2019-0016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Creating randomness with games

Henno, Jaak; Jaakkola, Hannu; Mäkelä, Jukka Acta Polytechnica Hungarica : journal of applied sciences at Budapest Polytechnic Hungary 2019 / p. 193-212 : ill http://acta.uni-obuda.hu/Henno_Jaakkola_Makela_96.pdf <https://doi.org/10.12700/APH.16.9.2019.9.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy

Viespoli, Luigi Mario; Bressan, Stefano; Itoh, Takamoto; Hiyoshi, Noritake; **Prashanth, Konda Gokuldoss**; Berto, Filippo Engineering failure analysis 2020 / art. 104477, 9 p. : ill <https://doi.org/10.1016/j.engfailanal.2020.104477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Criteria for modelling wave phenomena in complex systems : the case of signals in nerves

Engelbrecht, Jüri; Tamm, Kert; **Peets, Tanel** Proceedings of the Estonian Academy of Sciences 2019 / p. 276–283 : ill <https://doi.org/10.3176/proc.2019.3.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-276-283.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Critical aspects for collision induced oil spill response and recovery system in ice conditions: A model-based analysis

Lu, Liangliang; Goerlandt, Floris; **Tabri, Kristjan**; Hoglund, Anders; Banda, Osiris A. Valdez; Kujala, Pentti Journal of loss prevention in the process industries 2020 / art. 104198, 20 p. : ill <https://doi.org/10.1016/j.jlp.2020.104198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A cross disciplinary framework for cost-benefit optimization of marine litter cleanup at regional scale

Christensen, Asbjørn; Tsiaras, Kostas; Murawski, Jens; Hatzonikolakis, Yannis; She, Jun; John, Michael St; **Lips, Urmas**; **Brouwer, Roy** Frontiers in marine science 2021 / art. 744208, 18 p. : ill <https://doi.org/10.3389/fmars.2021.744208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A cross-country comparison of user experience of public autonomous transport

Bellone, Mauro; Ismailogullari, Azat; Kantala, Tommi; Mäkinen, Sami; **Soe, Ralf-Martin**; Kyrrö, Milla Aman European transport research review 2021 / art. 19 <https://doi.org/10.1186/s12544-021-00477-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cross-cultural differences in driver aggression, aberrant, and positive driver behaviors

Ersan, Özlem; Üzümcüoğlu, Yesim; Azık, Derya; **Pashkevich, Anton**; **Pashkevich, Maria** Transportation research part F: traffic psychology and behaviour 2020 / p. 88-97 <https://doi.org/10.1016/j.trf.2020.03.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cross-cultural differences in pedestrian behaviors in relation to values : a comparison of five countries

Solmazer, Gaye; Azık, Derya; Fındık, Gizem; Üzümcüoğlu, Yeşim; **Pashkevich, Anton**; **Pashkevich, Maria** Accident analysis & prevention 2020 / art. 105459 <https://doi.org/10.1016/j.aap.2020.105459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cross-disciplinary remote course for mixed group of students and professionals

Lähdeaho, Oskari; **Hilmola, Olli-Pekka Kristian** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 3-12 https://doi.org/10.1007/978-3-030-68198-2_1 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cross-shore profile evolution after an extreme erosion event—Palanga, Lithuania

Kelpšaitė-Rimkienė, Loreta; **Parnell, Kevin Ellis**; Žaromskis, Rimas; Kondrat, Vitalijus Journal of marine science and engineering 2021 / art. 38, p. 1–15 : ill <https://doi.org/10.3390/jmse9010038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Crystallization and growth kinetics of Zr65Cu25Ni5Ag2.5Al2.5 glass

Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e137, 10 p. : ill <https://doi.org/10.1002/mdp2.137> [Journal metrics at Scopus](#) [Article at Scopus](#)

Current harmonic aggregation cases for contemporary loads

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; **Shabbir, Noman** Energies 2022 / art. 437 <https://doi.org/10.3390/en15020437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current-fed partial power converter for photovoltaic applications in DC microgrids

Jalakas, Tanel; **Kosenko, Roman**; **Chub, Andrii**; **Vinnikov, Dmitri**; **Blinov, Andrei** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-5 : ill <https://doi.org/10.1109/IECON48115.2021.9589899> [Conference Proceedings at](#)

[Scopus Article at Scopus Article at WOS](#)

Cyber vulnerabilities and risks of AI technologies in space applications

Breda, Paola; Abidin, Adam; Markova, Rada; Jha, Devanshu; **Carlo, Antonio**; Pelin Manti, Nebile IAC 2022 congress proceedings 2022 / art. 70380 <https://dl.iafastro.directory/event/IAC-2022/paper/70380/> [Conference proceedings at Scopus Article at Scopus](#)

DADS : decentralized attestation for device swarms

Wedaj, Samuel; **Paul, Kolin**; Ribeiro, Vinay J. ACM Transactions on Privacy and Security 2019 / Art. 19 <https://doi.org/10.1145/3325822> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Damping characteristics of interconnected power systems with wind-photovoltaic-thermal-bundled power transmitted by AC/DC systems

He, Ping; Li, Zhao; Zheng, Mingming; **Wen, Fushuan**; Ji, Yugi; Wu, Xinxin Journal of energy engineering 2021 / p. 04021029-1-04021029-10 : ill [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000765](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000765) [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Day-ahead market modelling of large-scale highly-renewable multi-energy systems : analysis of the North Sea region towards 2050

Gea-Bermudez, Juan; Das, Kaushik; **Koduvere, Hardi**; Koivisto, Matti J. Energies 2021 / art. 88, 17 p. : ill <https://doi.org/10.3390/en14010088> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Daylight and overheating prediction formulas for building design in a cold climate

Sepulveda Luque, Abel; De Luca, Francesco; Kurnitski, Jarek Journal of building engineering 2022 / art. 103532, 15 p. : ill <https://doi.org/10.1016/j.jobbe.2021.103532> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

DC integration of residential photovoltaic systems : a survey

Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Vinnikov, Dmitri; Blinov, Andrei IEEE Access 2022 / p. 66974-66991 <https://doi.org/10.1109/ACCESS.2022.3185788> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

DC voltage sensorless predictive control of a high-efficiency PFC single-phase rectifier based on the versatile buck-boost converter

González-Castaño, Catalina; Restrepo, Carlos; Sanz, Fredy; **Chub, Andrii**; Giral, Roberto Sensors 2021 / art. 5107 <https://doi.org/10.3390/s21155107> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Decoding the smart city

Vainio, Teija; Hodson, Elise; Sayún, Michel Nader; **Soe, Ralf-Martin** Interaction design and architecture(s) 2021 / p. 59-62 <https://doi.org/10.55612/s-5002-050-002pfs> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Deep CNN based classification of the Archimedes spiral drawing tests to support diagnostics of the Parkinson's disease

Nömm, Sven; Zarembo, Sergei; Medijainen, Kadri; Taba, Pille; Toomela, Aaro IFAC-Papers OnLine 2020 / p. 260-264 <https://doi.org/10.1016/j.ifacol.2021.04.185> [Conference proceedings at Scopus Article at Scopus Article at WOS](#)

Defining a BIM-enabled learning environment - an adaptive structuration theory perspective

Olowa, Theophilus Oluwarotimi Olatunde; Witt, Emlyn David Qivitoq; Morganti, Caterina; Teittinene, Toni; Lill, Irene Buildings 2022 / art. 292 <https://doi.org/10.3390/buildings12030292> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Degradation of aqueous alachlor in pulsed corona discharge

Bolobajev, Juri; Gornov, Daniil; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103543 <https://doi.org/10.1016/j.elstat.2020.103543> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Degree of Dieudonne determinant defines the order of nonlinear system

Kotta, Ülle; Belikov, Juri; Halas, Miroslav; **Leibak, Alar** International journal of control 2019 / p. 518-527 <https://doi.org/10.1080/00207179.2017.1361042> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Delightful daylighting : a framework for describing the experience of daylighting in Nordic homes and 'coupling it with quantitative assessments

Viikberg, Hanna; Sepulveda Luque, Abel; De Luca, Francesco Energies 2022 / art. 1815 <https://doi.org/10.3390/en15051815> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Demand response potential of district heating in a swimming hall in Finland

Yuan, Xiaolei; Lindroos, Leo; **Jokisalo, Juha**; Kosonen, Risto; Pan, Yiqun; Jin, Hui Energy and buildings 2021 / art. 111149, 12 p. : ill <https://doi.org/10.1016/j.enbuild.2021.111149> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Dependence of the carrier removal rate in 4H-SiC PN structures on irradiation temperature

Lebedev, Alexander A.; Davydovskaya, Klavdya S.; Kozlovski, Vitali V.; **Korolkov, Oleg; Sleptsuk, Natalja; Toompuu, Jana** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 730-733 <https://doi.org/10.4028/www.scientific.net/MSF.963.730> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Derivation of Bioimpedance Model Data Utilizing a Compact Analyzer and Two Capacitive Electrodes : A Forearm Example

Ojarand, Jaan; Priidel, Eiko; Min, Mart IEEE Transactions on Biomedical Circuits and Systems 2022 / p. 891-901 <https://doi.org/10.1109/TBCAS.2022.3206666> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and analysis of a DC solid-state circuit breaker for residential energy router application

Rahimpour, Saeed; Husev, Oleksandr; Vinnikov, Dmitri Energies 2022 / art. 9434 <https://doi.org/10.3390/en15249434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and applications of Rogowski coil sensors for power system measurements : a review

Shafiq, Muhammad; Stewart, Brian G.; Hussain, Ghulam Amjad; Hassan, Waqar; Choudhary, Maninder; Palo, Ivo Measurement : journal of the International Measurement Confederation 2022 / art. 112014, 10 p.: ill <https://doi.org/10.1016/j.measurement.2022.112014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and experimental validation of a single-stage PV string inverter with optimal number of interleaved buck-boost cells

Fesenko, Artem; Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard; Kołodziejek, Piotr Energies 2021 / art. 2448, p., 17 p.: ill <https://doi.org/10.3390/en14092448> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and implementation of a mechatronic elbow orthosis

Minh, Vu Trieu; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Mechatronic Systems and Control 2020 / p. 231 - 238 <https://doi.org/10.2316/J.2020.201-0056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and manufacturing of composite laminates with structural health monitoring capabilities

Herranen, Henrik; Majak, Jüri; Tšukrejev, Pavel; Karjust, Kristo; Märten, Olev Procedia CIRP 2018 / p. 647-652 : ill <https://doi.org/10.1016/j.procir.2018.03.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design and optimization of AIN based RF MEMS switches

Ziko, Mehadi Hasan; Koel, Ants IOP conference series : materials science and engineering 2018 / 012002 ; 9 p.: ill <https://doi.org/10.1088/1757-899X/362/1/012002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design and performance of laser additively manufactured core induction motor

Tiismus, Hans; Kallaste, Ants; Naseer, Muhammad Usman; Vaimann, Toomas; Rassõlkin, Anton IEEE Access 2022 / p. 50137-50152 <https://doi.org/10.1109/ACCESS.2022.3173317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and prototyping of directly driven outer rotor permanent magnet generator for small scale wind turbines [Online resource]

Vaimann, Toomas; Kudrjartsev, Oleg; Kilk, Aleksander; Kallaste, Ants; Rassõlkin, Anton Advances in electrical and electronic engineering 2018 / p. 271-278 : ill <https://doi.org/10.15598/aeet.v16i3.2698> [Journal metrics at Scopus](#) [Article at Scopus](#)

Design criteria for insulation materials applied in timber frame assemblies

Tiso, Mattia; Just, Alar Journal of Structural Fire Engineering 2018 / p. 252 - 263 <https://doi.org/10.1108/JSFE-01-2017-0015> [Journal metrics at Scopus](#) [Article at Scopus](#)

Design for accelerated testing of DC-link capacitors in photovoltaic inverters based on mission profiles

Sangwongwanich, Ariya; Shen, Yanfeng; Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri; Wang, Huai; Blaabjerg, Frede IEEE transactions on industry applications 2021 / p. 741-753 <https://doi.org/10.1109/TIA.2020.3030568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of a research laboratory drive system for a synchronous reluctance motor for vector control and performance analysis

Heidari, Hamidreza; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Andriushchenko, Ekaterina; Belahcen, Anouar Inventions 2021 / art. 64, 21 p.: ill <https://doi.org/10.3390/inventions6040064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of regenerative anti-lock braking system controller for 4 in-wheel-motor drive electric vehicle with road surface estimation

Aksjonov, Andrei; **Vodovozov, Valery**; Augsburg, Klaus; **Petlenkov, Eduard** International journal of automotive technology 2018 / p. 727-742 : ill <https://doi.org/10.1007/s12239-018-0070-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design optimization of permanent magnet clutch with Ārtap framework

Andriushchenko, Ekaterina; Kaska, Jan; **Kallaste, Ants**; Belahcen, Anouar; **Vaimann, Toomas**; **Rassõlkin, Anton** Periodica polytechnica electrical engineering and computer science 2021 / p. 106-112 <https://doi.org/10.3311/PPee.17007> [Journal metrics at Scopus](#) [Article at Scopus](#)

Designing a scalable socio-technical method for evaluating large e-Governance systems

Saay, Mohammad Salim; **Norta, Alexander** Advanced computational and communication paradigms : proceedings of International Conference on ICACCP 2017, Volume 1 2018 / p. 571-580 https://doi.org/10.1007/978-981-10-8240-5_64 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Designing highly insulated cross-laminated timber external walls in terms of hygrothermal performance : field measurements and simulations

Kukk, Villu; **Kaljula, Laura**; **Kers, Jaan**; **Kalamees, Targo** Building and Environment 2022 / art. 108805 <https://doi.org/10.1016/j.buildenv.2022.108805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Designing reliable cyber-physical systems

Aleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; **Devadze, Sergei**; **Jenihhin, Maksim**; **Jutman, Artur**; **Raik, Jaan**; **Shibin, Konstantin** Languages, design methods, and tools for electronic system design : selected contributions from FDL 2016 2018 / p. 15-38 : ill https://doi.org/10.1007/978-3-319-62920-9_2 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Detailed insight into the CZTS/CdS interface modification by air annealing in monograin layer solar cells

Kauk-Kuusik, Marit; **Timmo, Kristi**; **Muska, Katri**; **Pilvet, Maris**; **Krustok, Jüri**; **Josepson, Raavo**; Brammertz, Guy; Vermang, Bart; **Danilson, Mati**; **Grossberg, Maarja** ACS Applied Energy Materials 2021 / p. 12374-12382 <https://doi.org/10.1021/acsaem.1c02186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A detailed testing procedure of numerical differential protection relay for EHV auto transformer

Ehsan, Umer; Jawad, Muhammad; Javed, Umar; Zaidi, Khurram Shabih; Rehman, Ateeq Ur; **Rassõlkin, Anton**; Althobaiti, Maha M.; Hamam, Habib; **Shafiq, Muhammad** Energies 2021 / art. 8447 <https://doi.org/10.3390/en14248447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detecting overlapping community structure : Estonian network of payments

Rendon de la Torre, Stephanie; **Kalda, Jaan**; Kitt, Robert; **Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2019 / p. 79-88 : ill <https://doi.org/10.3176/proc.2019.1.08> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-79-88.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection and evaluation of driver distraction using machine learning and fuzzy logic

Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard**; Herrmann, Martin IEEE Transactions on Intelligent Transportation Systems 2019 / p. 2048 - 2059 <https://doi.org/10.1109/TITS.2018.2857222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of pulmonary micronodules in computed tomography images and false positive reduction using 3D convolutional neural networks

Gupta, Anindya; Saar, Tõnis; **Märtens, Olev**; **Le Moullec, Yannick**; Sintorn, Ida-Maria International Journal of Imaging Systems and Technology 2019 / p. 327-339 : ill <https://doi.org/10.1002/ima.22373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of core losses using an inverse modeling technique

Osemwinyen, Osaruyi; Hemeida, Ahmed; **Ghahfarokhi, Payam Shams**; **Belahcen, Anouar** IEEE Access 2022 / p. 29224-29232 <https://doi.org/10.1109/ACCESS.2022.3158365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of heat transfer coefficient from housing surface of a totally enclosed fan-cooled machine during passive cooling

Shams Ghahfarokhi, Payam; Podgornovs, Andrejs; **Kallaste, Ants**; Cardoso, Antonio J. Marques; Belahcen, Anouar; **Vaimann, Toomas**; **Asad, Bilal**; **Tiismus, Hans** Machines 2021 / art. 120 <https://doi.org/10.3390/machines9060120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of heat transfer coefficient of finned housing of a TEFC variable speed motor

Shams Ghahfarokhi, Payam; **Kallaste, Ants**; Podgornovs, Andrejs; **Belahcen, Anouar**; **Vaimann, Toomas**; **Asad, Bilal** Electrical Engineering 2021 / p. 1009-1017 : ill <https://doi.org/10.1007/s00202-020-01132-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of natural convection heat transfer coefficient over the fin side of a coil system

Shams Ghahfarokhi, Payam; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton International journal of heat and mass transfer 2018 / p. 677-682 : ill <https://doi.org/10.1016/j.jheatmasstransfer.2018.05.071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of paper plaster hygrothermal performance: influence of different types of paper on sorption and moisture buffering

Vares, Maia-Liisa; Ruus, Aime; Nutt, Nele; Kubjas, Ardo; Raamets, Jane Journal of building engineering 2021 / art. 101830, 8 p. : ill <https://doi.org/10.1016/j.jobbe.2020.101830> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determining the optimal directions of investment in regional renewable energy development

Sotnyk, Iryna; Kurbatova, Tetiana; Romaniuk, Yaroslavna; Prokopenko, Olha; Gonchar, Viktoriya; Prause, Gunnar Klaus; Sapiński, Aleksander Energies 2022 / art. 3646 <https://doi.org/10.3390/en15103646> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Developing energy calculation methodology and calculation tool validations : Application in air-heated ice rink arenas

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; Kurnitski, Jarek Energy and buildings 2020 / art. 110389, 19 p. : ill <https://doi.org/10.1016/j.enbuild.2020.110389> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development and performance assessment of prefabricated insulation elements for deep energy renovation of apartment buildings

Pihelo, Peep; Kuusk, Kalle; Kalamees, Targo Energies 2020 / art. 1709, 20 p. : ill <https://doi.org/10.3390/en13071709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a battery sizing tool for nearly zero energy buildings

Ahmadihangar, Roya; Husev, Oleksandr; Blinov, Andrei; Karami, Hossein; Rosin, Argo IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society 2020 / p. 5149-5154 : ill <https://doi.org/10.1109/IECON43393.2020.9254557> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

Development of a dedicated Golden Gate Assembly Platform (RtGGA) for Rhodotorula toruloides

Bonturi, Nemailla; Pinheiro, Marina Julio; Oliveira, Paola Monteiro de; Rusadze, Eka; Eichinger, Tobias; Liudžiute, Gintare; De Biaggi, Giuliano Sabedotti; Brauer, Age; Remm, Maido; Miranda, Everson Alves; Ledesma-Amaro, Rodrigo; Lahtvee, Petri-Jaan Metabolic engineering communications 2022 / art. e00200 <https://doi.org/10.1016/j.mec.2022.e00200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a low-cost, wireless smart thermostat for isothermal DNA amplification in lab-on-a-chip devices

Pardy, Tamas; Sink, Henri; Koel, Ants; Rang, Toomas Micromachines 2019 / art. 437, 13 p. : ill <https://doi.org/10.3390/mi10070437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a portable MIP-based electrochemical sensor for detection of SARS-CoV-2 antigen

Raziq, Abdul; Kidakova, Anna; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Sõritski, Vitali Biosensors and bioelectronics 2021 / art. 113029 <https://doi.org/10.1016/j.bios.2021.113029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a reduced order model of solar heat gains prediction

Tamm, Meril; Cid, Jordi Macia; Paramio, Roser Capdevila; Baulenas, Joan Farnos; Thalfeldt, Martin; Kurnitski, Jarek Energies 2020 / art. 6316, 17 p. : ill <https://doi.org/10.3390/en13236316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a wireless communication network for monitoring and controlling of autonomous robots

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Kovalenko, Pavel; Monahov, Juri International journal of robotics and automation 2018 / 16 p <https://doi.org/10.2316/Journal.206.2018.3.206-4759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of analytical thermal analysis tool for synchronous reluctance motors

Shams Ghahfarokhi, Payam; Kallaste, Ants; Podgornovs, Andrejs; Belahcen, Anouar; Vaimann, Toomas IET electric power applications 2020 / p. 1828-1836 <https://doi.org/10.1049/iet-epa.2020.0237> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of bioimpedance sensing device for wearable monitoring of the aortic blood pressure curve = Entwicklung eines Bioimpedanz-Messgerätes für die mobile Erfassung des aortalen Blutdruck

Kõiv, Hip; Rist, Marek; Min, Mart Technisches Messen 2018 / p. 366-377 : ill <https://doi.org/10.1515/teme-2017-0113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of critical thinking and reflection

Rüütman, Tiia The Challenges of the Digital Transformation in Education : proceedings of the 21st International Conference on Interactive Collaborative Learning (ICL2018) - Volume 2 2019 / p. 895-906 https://doi.org/10.1007/978-3-030-11935-5_85 [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of cyber-physical production systems based on modelling technologies

Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard Proceedings of the Estonian Academy of Sciences 2019 / p. 348–355 : ill http://www.kirj.ee/32601/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development support for intelligent systems : test, evaluation, and analysis of microservices

Perbandt, Charline von; Tyca, Matthias; Koschel, Arne; **Astrova, Irina** Intelligent systems and applications : proceedings of the 2021 Intelligent Systems Conference (IntelliSys). Volume 1 2022 / p. 857-875 https://doi.org/10.1007/978-3-030-82193-7_58 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Differential pressure sensor speedometer for autonomous underwater vehicle velocity estimation

Meurer, Christian; Francisco Fuentes-Perez, Juan; Palomeras, Narcis; Carreras, Marc; Kruusmaa, Maarja IEEE Journal of Oceanic Engineering 2020 / p. 946 - 978 <https://doi.org/10.1109/JOE.2019.2907822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Differential pressure sensors for underwater speedometry in variable velocity and acceleration conditions

Fuentes-Perez, Juan Francisco; Meurer, Christian; Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja IEEE Journal of Oceanic Engineering 2018 / p. 418-426 : ill <https://doi.org/10.1109/JOE.2017.2767786> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Digital control of PFC rectifier with combined feedforward and PI regulator

Verbytskyi, Ievgen; Blinov, Andrei; Emiliani, Pietro; Galkin, Ilja IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9968509> [Conference proceedings at Scopus](#) [Article at Scopus](#)

A digital or sustainable small and medium-sized port? Sustainable port blueprint in the baltic sea region based on port benchmarking

Meyer, Christopher; Gerlitz, Laima; Philipp, Robert; Paulauskas, Vytautas Transport and telecommunication journal 2021 / p. 332 - 342 <https://doi.org/10.2478/tjt-2021-0026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

(Digital) Oxygen reduction reaction on waste tire derived carbon material and synthesized non-platinum group metal catalysts in alkaline solution

Laanemäe, Joel; Jäger, Rutha; Teppor, Patrick; **Volobujeva, Olga; Lust, Enn** ECS Meeting Abstracts 2022 / p. 39-47 : ill <https://doi.org/10.1149/10807.0039ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

A digital services course to promote teaching of informatics in Estonia

Kikkas, Kaido; Lorenz, Birgy Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 711-720 https://doi.org/10.1007/978-3-030-68198-2_66 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Digital technologies for improving logistics performance of countries

Moldabekova, Aisulu; **Philipp, Robert; Reimers, Hans-Eggert; Alikozhayev, Bauyrzhan** Transport and telecommunication journal 2021 / p. 207–216 <https://doi.org/10.2478/tjt-2021-0016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Digital Twin : industrial robot kinematic model integration to the virtual reality environment

Kuts, Vladimir; Cherezova, Natalia; Sarkans, Martinš; Otto, Tauno Journal of machine engineering 2020 / p. 53–64 <https://doi.org/10.36897/jme/120182> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digital twin as industrial robots manipulation validation tool

Kuts, Vladimir; Marvel, Jeremy A.; Aksu, Murat; Pizzagalli, Simone Luca; Sarkans, Martinš; Bondarenko, Yevhen; Otto, Tauno Robotics 2022 / art. 113 <https://doi.org/10.3390/robotics11050113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Digital twin based synchronised control and simulation of the industrial robotic cell using virtual reality

Kuts, Vladimir; Otto, Tauno; Tähemaa, Toivo; Bondarenko, Yevhen Journal of machine engineering 2019 / p. 128–145 : ill <https://doi.org/10.5604/01.3001.0013.0464> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digitalisation of Supply Chain management system for customer quality service improvement

Ševtšenko, Eduard; Maas, Rene; **Murumaa, Lea; Karaulova, Tatjana; Raji, Oluwole Ibrahim; Popell, Janek** Journal of machine engineering 2022 / p. 78-90 : ill <https://doi.org/10.36897/jme/147803> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digitalization of engineering education : from e-learning to smart education

Makarova, Irina; Shubenkova, Ksenia; **Antov, Dago; Pashkevich, Anton** Smart Industry & Smart Education : proceedings of the

Digital-toolkit for promoting tourist destinations

Prokopenko, Olha; Larina, Yaroslava; Chetveryk, Olena; Kravtsov, Sergiy; Rozhko, Nataliya; Lorvi, Iryna International journal of innovative technology and exploring engineering 2019 / p. 4982-4987 : ill <https://doi.org/10.35940/ijitee.L3745.1081219> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digital-toolkit for sports tourism promoting

Prokopenko, Olha; Rusavska, Valentyna; Maliar, Nelia; Tvelina, Alisa; Opanasiuk, Nataliia; Aldankova, Halyna International journal of advanced research in engineering and technology 2020 / p. 84-96 <http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=5> [Journal metrics at Scopus](#) [Article at Scopus](#)

Direct aqueous carbonation on olivine at a CO₂ partial pressure of 6.5 MPa

Li, Jiajie; Jacobs, Anthony D.; **Hitch, Michael William** Energy 2019 / p. 902-910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples

Pacocha, Natalia; **Scheler, Ott**; Nowak, Mikolaj Marcin Analytical methods 2019 / p. 5655–5738 : ill <https://doi.org/10.1039/c9ay01874c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Directly electrospun electrodes for electrical double-layer capacitors from carbide-derived carbon

Malmberg, Siret; Arulepp, Mati; **Savest, Natalja**; Tarasova, Elvira; **Vassiljeva, Viktoria**; Krasnou, Illia; **Käärrik, Maike**; **Mikli, Valdek**; **Krumme, Andres** Journal of electrostatics 2020 / art. 103396, 7 p. : ill <https://doi.org/10.1016/j.elstat.2019.103396> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Discussion of "Rigid Water Column Model for Simulating the Emptying Process in a Pipeline Using Pressurized Air" by

Oscar E. Coronado-Hernández, Vicente S. Fuertes-Miquel, Pedro L. Iglesias-Rey, and Francisco J. Martínez-Solano Hou, Qingzhi; Li, Shunda; Tijsseling, Arris S.; **Laanearu, Janek** Journal of hydraulic engineering 2020 / art. 07020001, 6 p. : ill [https://doi.org/10.1061/\(ASCE\)HY.1943-7900.0001682](https://doi.org/10.1061/(ASCE)HY.1943-7900.0001682) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dispersive effects during long wave run-up on a plane beach

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys Advances in Natural Hazards and Hydrological Risks : Meeting the Challenge :proceedings of the 2nd International Workshop on Natural Hazards (NATHAZ'19), Pico Island—Azores 2019 2019 / p. 143-146 https://doi.org/10.1007/978-3-030-34397-2_28 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel

Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill <https://doi.org/10.1557/jmr.2019.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications

Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 272-283 <https://doi.org/10.1557/s43578-021-00352-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distributed price-based power management for multibuses DC nanogrids EEMS

Carvalho da Silva, Edivan Laercio; Bellinaso, Lucas V.; Cardoso, Rafael; Michels, Leandro IEEE journal of emerging and selected topics in power electronics 2022 / p. 5509-5521 <https://doi.org/10.1109/JESTPE.2022.3152101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distributed storage placement policy for minimizing frequency deviations: A combinatorial optimization approach based on enhanced cross-entropy method

Machlev, Ram; Chowdhury, Nilanjan Roy; **Belikov, Juri**; **Levron, Yoash** International Journal of Electrical Power and Energy Systems 2022 / p. 1-14 : ill <https://doi.org/10.1016/j.ijepes.2021.107332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Disturbance decoupling in nonlinear hybrid systems

Kaldmäe, Arvo; **Kotta, Ülle**; Shumsky, Alexey; Zhirabok, Alexey Nonlinear analysis : hybrid systems 2018 / p. 42-53 <https://doi.org/10.1016/j.nahs.2017.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diver tracking in open waters : a low-cost approach based on visual and acoustic sensor fusion

Remmas, Mohamed Walid; Chemori, Ahmed; **Kruusmaa, Maarja** Journal of field robotics 2021 / p. 494–508 <https://doi.org/10.1002/rob.21999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

DoS attack detection and path collision localization in NoC-based MPSoC architectures

Chaves Arroyave, Cesar Giovanni; Azad, Siavoosh Payandeh; Hollstein, Thomas; Sepulveda, Johanna Journal of low power electronics and applications 2019 / art. 7, 20 p. : ill <https://doi.org/10.3390/jlpea9010007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Driver profiles based on values and traffic safety climate and their relationships with driver behaviors

Kaçan, Bilgesu; Fındık, Gizem; Üzümcüoğlu, Yeşim; Pashkevich, Anton; Pashkevich, Maria Transportation research part F : traffic psychology and behaviour 2019 / p. 246-259 <https://doi.org/10.1016/j.trf.2019.05.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Droplet image analysis with user-friendly freeware CellProfiler

Bartkova, Simona; Vendelin, Marko; Sanka, Immanuel; Pata, Pille; Scheler, Ott Analytical methods 2020 / p. 2287-2294 : ill <https://doi.org/10.1039/D0AY00031K> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Droplet-based methods for tackling antimicrobial resistance

Ruszczak, Artur; Bartkova, Simona; Zapotoczna, Marta; Scheler, Ott; Garstecki, Piotr Current opinion in biotechnology 2022 / art. 102755 <https://doi.org/10.1016/j.copbio.2022.102755> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A dual-buck-boost DC–DC/AC universal converter

Ong, Yao Rong; Cao, Shuyu; Lee, Sze Sing; Lim, Chee Shen; Chen, Max M.; Vosoughi Kurdkandi, Naser; Barzegarkhoo, Reza; Siwakoti, Yam P. Electronics (Switzerland) 2022 / art. 1973 <https://doi.org/10.3390/electronics11131973> [Journal metrics at scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic heating control measured and simulated effects on power reduction, energy and indoor air temperature in an old apartment building with district heating

Hajian, Hatef; Ahmed, Kaiser; Kurnitski, Jarek Energy and buildings 2022 / art. 112174 <https://doi.org/10.1016/j.enbuild.2022.112174> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic modeling and stability analysis of power networks using DQ0 transformations with a unified reference frame

Belikov, Juri; Levron, Yoash Proceedings of the Estonian Academy of Sciences 2018 / p. 368-377 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-368-377.pdf <https://doi.org/10.3176/proc.2018.67.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Bilandi, Rasul Niazmand; Mancini, Simone; De Luca, Fabio; Dashtimanesh, Abbas Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of tunneled planing hulls in waves

Roshan, Fatemeh; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Journal of marine science and engineering 2022 / art. 1038 : ill <https://doi.org/10.3390/jmse10081038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic slot allocation using non overlapping backoff algorithm in IEEE 802.15.6 WBAN

Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; Alam, Muhammad Mahtab; Kuusik, Alar; Le Moullec, Yannick IEEE sensors journal 2020 / p. 10862-10875 : ill <https://doi.org/10.1109/JSEN.2020.2993795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamics of apartment building renovation investment costs based on Estonian reovation grant scheme

Miller, Grete; Lihtmaa, Lauri; Kalamees, Targo Acta Polytechnica CTU proceedings 2022 / p. 579-584 <https://doi.org/10.14311/APP.2022.38.0579> [Journal metrics at Scopus](#) [Article at Scopus](#)

Dynamics of discontinuities in elastic solids

Berezovski, Arkadi; Berezovski, Mihhail Mathematics and mechanics of solids 2020 / p. 1416-1428 <https://doi.org/10.1177/1081286517718603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo SPIE digital library 2020 / art. 115240H-1–14 <https://doi.org/10.1117/12.2570820> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

Economic dispatch of CHP units through District Heating Network's demand-side management

Rušeljuk, Pavel; Lepiksaar, Kertu; Siirde, Andres; Volkova, Anna Energies 2021 / art. 4553, 20 p. : ill <https://doi.org/10.3390/en14154553> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Editorial

International journal of disaster resilience in the built environment 2020 / p. 1-2 <https://doi.org/10.1108/IJDRBE-02-2020-084> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Educating the energy informatics specialist : opportunities and challenges in light of research and industrial trends

Bordin, Chiara; **Mishra, Sambeet**; Safari, Amir; Eliassen, Frank SN Applied Sciences 2021 / art. 674 <https://doi.org/10.1007/s42452-021-04610-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EEG functional connectivity detects seasonal changes

Päeske, Laura; Bachmann, Maie; Raik, Jaan; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 237-240 https://doi.org/10.1007/978-981-10-9038-7_44 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

EEG spectral asymmetry is dependent on education level of men

Pöld, Toomas; Bachmann, Maie; Päeske, Laura; Kalev, Kaia; Lass, Jaanus; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 405–408 https://doi.org/10.1007/978-981-10-9038-7_76 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Effect of annealing temperature of brownish-red pigment based on iron oxide extracted by hydrothermal route from mill-scale steel slag

Eticha, Zekarias G.; **Rojas Hernandez, Rocio Estefania; Hussainova, Irina** Journal of Sustainable Metallurgy 2022 / p. 218-227 <https://doi.org/10.1007/s40831-021-00470-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of biodiesel-dimethyl carbonate blends on engine performance, combustion and emission characteristics

Razzaq, Luqman; Mujtaba, M. A.; Shahbaz, M.A.; Nawaz, Saad; Mahmood Khan, Haris; **Hussain, Abrar**; Ishtiaq, Usama; Kalam, M. A.; M. Soudagar, Manzoore Elahi; Ismail, Khadiga Ahmed; Elfasakhany, Ashraf; Rizwan, Hafiz Muhammad Alexandria Engineering Journal 2022 / p. 5111 - 5121 <https://doi.org/10.1016/j.aej.2021.10.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of cBN content and additives on sliding and surface fatigue wear of spark plasma sintered Al₂O₃-cBN composites

Kumar, Rahul, 1993-; Antonov, Maksim; Klimczyk, Piotr; **Mikli, Valdek; Gomon, Dmitri** Wear 2022 / art. 204250 <https://doi.org/10.1016/j.wear.2022.204250> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of FeNiCrBSiC-MeB₂ material composition on the oxidation behavior at high temperatures

Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; **Antonov, Maksim** Powder metallurgy and metal ceramics 2019 / p. 670-678 : ill <https://doi.org/10.1007/s1106-019-00030-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy

Kommel, Lembit; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 <https://doi.org/10.1007/s11665-022-06997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of heat treatment on the morphology and mobility of Au nanoparticles

Oras, Sven; Vlassov, Sergei; Vigonski, Simon; Polyakov, Boris; Antsov, Mikk; Zadin, Vahur; Lõhmus, Rünno; Mougin, Karine Beilstein Journal of Nanotechnology 2020 / p. 61-67 <https://doi.org/10.3762/bjnano.11.6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites

Holovenko, Yaroslav; Kollo, Lauri; Saarna, Mart; Rahmani Ahranjani, Ramin; Solovieva, Tetiana; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss**; Cygan, Slawomir; **Veinthal, Renno** International journal of refractory metals and hard materials 2020 / art. 105087, 10 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of Magnetic Forces and Magnetostriction on the Stator Vibrations of a Bearingless Synchronous Reluctance Motor

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2019 / 4 p. : ill <https://doi.org/10.1109/TMAG.2019.2894739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of N₂ and CO₂ on shale oil from pyrolysis of Estonian oil shale

Mozaffari, Sepehr; Järvik, Oliver; Baird, Zachariah Steven International journal of coal preparation and utilization 2022 / p. 2908-2922 <https://doi.org/10.1080/19392699.2021.1914025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process

Maurya, Himanshu Singh; Kosiba, Konrad; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Additive manufacturing 2022 / art. 103013, 13 p. : ill <https://doi.org/10.1016/j.addma.2022.103013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of pulsed deuterium plasma irradiation on dual-phase tungsten high-entropy alloys

Tökke, Siim; Laas, Tõnu; Priimets, Jaanis; **Tarraste, Marek; Mikli, Valdek; Antonov, Maksim** Fusion engineering and design 2022 / 11 p. : ill <https://doi.org/10.1016/j.fusengdes.2022.113260> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of punching the electrical sheets on optimal design of a permanent magnet synchronous motor

Martin, Florian; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero IEEE Transactions on Magnetics 2018 / art. 8102004 <https://doi.org/10.1109/TMAG.2017.2768399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of Zr doping on the structural and electrical properties of spray deposited TiO₂ thin films

Oluwabi, Abayomi Titilope; Juma, Albert Owino; **Oja Acik, Ilona; Mere, Arvo; Krunks, Malle** Proceedings of the Estonian Academy of Sciences 2018 / p. 147–157 : ill <https://doi.org/10.3176/proc.2018.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of temperature and sliding speed on friction and wear of Si₃N₄, Al₂O₃, and ZrO₂ balls tested against AlCrN PVD coating

Antonov, Maksim; Afshari, Hossein; Baroninš, Janis; Adoberg, Eron; Raadik, Taavi; Hussainova, Irina Tribology international 2018 / p. 500-514 : ill <https://doi.org/10.1016/j.triboint.2017.05.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of the laser processing parameters on the selective laser melting of TiC–Fe-based cermets

Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Journal of manufacturing and materials processing 2022 / art. 35, 11 p. : ill <https://doi.org/10.3390/jmmp6020035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC–CrB₂ coating

Umanskyi, O.; Storozhenko, M.; **Antonov, Maksim**; Terentyev, O.; Koval, O.; **Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 37-42 : ill https://www.ester.ee/record=b5235278*est <https://www.scientific.net/KEM.799.37> <https://doi.org/10.4028/www.scientific.net/KEM.799.37> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Effect of TiB₂ addition on the mechanical and biological response of spark plasma sintered Ti₆Al₇Nb matrix composites

Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502 <https://doi.org/10.1016/j.jallcom.2022.166502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of TiB₂ particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting

Xi, L.; Wang, P.; **Prashanth, Konda Gokuldoss**; Li, H. Journal of alloys and compounds 2019 / p. 551-556 : ill <https://doi.org/10.1016/j.jallcom.2019.01.327> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering

Karimi, Javad; Antonov, Maksim; Prashanth, Konda Gokuldoss Metallurgical and Materials Transactions A 2022 / p. 4004-4010 <https://doi.org/10.1007/s11661-022-06805-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effective optimization of billboard ads based on CDR data leverage

Semassel, Imed Eddine; **Ben Yahia, Sadok** Journal of Telecommunications and the Digital Economy 2022 / p. 76-95 <https://doi.org/10.18080/jtde.v10n2.527> [Journal metrics at Scopus](#) [Article at Scopus](#)

Effects of Ar⁺ etching of Cu₂ZnSnSe₄ thin films : An x-ray photoelectron spectroscopy and photoluminescence study

Yakushev, Michael V.; Sulimov, Mikhail A.; Skidchenko, Ekaterina; **Krustok, Jüri** Journal of Vacuum Science & Technology B 2018 / art. 061208, 8 p. : ill <https://doi.org/10.1116/1.5050243> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of irradiation of ZnO/CdS/Cu₂ZnSnSe₄/Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra

Sulimov, M. A.; Sarychev, M.N.; Yakushev, Michael V.; **Krustok, Jüri** Materials science in semiconductor processing 2021 / art. 105301, 5 p. : ill <https://doi.org/10.1016/j.mssp.2020.105301> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of night ventilation on indoor air quality in educational buildings—a field study

Lestinen, Sami; Kilpeläinen, Simo; **Kosonen, Risto**; Valkonen, Maria; **Jokisalo, Juha**; Pasanen, Pertti Applied sciences 2021 / art. 4056, 20 p. : ill <https://doi.org/10.3390/app11094056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of nutrient management scenarios on marine eutrophication indicators : a Pan-European, Multi-Model Assessment in Support of the Marine Strategy Framework Directive

Friedland, Rene; Macias, Diego; Cossarini, Gianpero; Daewel, Ute; Estournel, Claude; Garcia-Goriz, Elisa; Grizzetti, Bruna; Gregoire, Marilaure; Gustafsson, Bo; **Maljutenko, Ilja**; Pärn, Ove; Pätsch, Johannes; **Raudsepp, Urmas** *Frontiers in marine science* 2021 / 22 p. : map <https://doi.org/10.3389/fmars.2021.596126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge

Tikker, Priit; Dulova, Niina; Kornev, Iakov; **Preis, Sergei** *Chemical engineering journal* 2021 / art. 128586 <https://doi.org/10.1016/j.cej.2021.128586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of the COVID-19 pandemic on energy systems and electric power grids — a review of the challenges ahead

Navon, Aviad; Machlev, Ram; Carmon, David; **Onile, Abiodun Emmanuel**; **Belikov, Juri**; Levron, Yoash *Energies* 2021 / art. 1056, 14 p. : ill <https://doi.org/10.3390/en14041056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of the inclusion of armchair graphene nanoribbons on the electrical conduction properties of NN-heterojunction 4H-6H/SiC diodes

Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** *Advanced Materials and Processing Technologies : 2nd International Conference on Sensors, Materials and Manufacturing (ICSMM 2018, November 19-21, 2018, Taiwan); International Conference on Materials Sciences and Nanomaterials (ICMSN 2018, July 11-13, 2018, United Kingdom) and the 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018, August 24-26, 2018, Japan) 2019* / p. 29–35 : ill <https://doi.org/10.4028/www.scientific.net/MSF.962.29> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Effects of vertical motions on roll of planing hulls

Dashtimanesh, Abbas; Tavakoli, Sasan; Mancini, Simone; Mehr, Javad A.; Milanese, Stefano *Journal of offshore mechanics and arctic engineering* 2021 / p. 041401–041411 <https://doi.org/10.1115/1.4050210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of work arrangements on the sleep regimen of creative R&D employees

Hazak, Aaro; **Sõõru, Erve**; **Hein, Heili**; **Männasoo, Kadri** *International journal of occupational safety and ergonomics* 2020 / p. 728-739 <https://doi.org/10.1080/10803548.2018.1504854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficiency assessment of measures to increase sustainability of the transport system

Makarova, Irina; Shubenkova, Ksenia; Pashkevich, Anton *Transport* 2021 / p. 123–133 : ill <https://doi.org/10.3846/transport.2021.14996> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficiency study of the single-phase solar qZS-based inverter

Husev, Oleksandr; **Stepenko, Serhii**; **Vinnikov, Dmitri**; Roncero, Carlos; Santasheva, Elena; Romero-Cadaval, Enrique *IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019* / p. 4399-4404 <https://doi.org/10.1109/IECON.2019.8926655> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

An efficient authentication and key agreement scheme for secure smart grid communication services

Hammami, Hamza; Obaidat, Mohammad S.; **Ben Yahia, Sadok** *International journal of communication systems* 2020 / art. e4558, p. 1–13 <https://doi.org/10.1002/dac.4558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficient fixed-switching modulated finite control set-model predictive control based on artificial neural networks

Bakeer, Abualkasim; Alhasheem, Mohammed; Peyghami, Saeed *Applied Sciences (Switzerland)* 2022 / art. 3134 <https://doi.org/10.3390/app12063134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An efficient non-inverting buck-boost converter with improved step up/down ability

Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri**; Pefitsis, Dimosthenis *Energies* 2022 / art. 4550 <https://doi.org/10.3390/en15134550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EFIC-ME : a fast emulation based fault injection control and monitoring enhancement

Abideen, Zain Ul; **Rashid, Muhammad Haroon** *IEEE Access* 2020 / p. 207705-207716 <https://doi.org/10.1109/ACCESS.2020.3038198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ELC-ECG: efficient LSTM cell for ECG classification based on quantized architecture

Mirsalari, Seyed Ahmad; Nazari, Najmeh; Ansarmohammadi, Seyed Ali; Sinaei, Sima; Salehi, Mostafa E.; **Daneshtalab, Masoud** *2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021* / 5 p <https://doi.org/10.1109/ISCAS51556.2021.9401261> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene–acrylonitrile copolymer and carbon nanotube composite fibres

Mooste, Marek; Kibena-Pöldsepp, Elo; **Vassiljeva, Viktoria**; **Uibu, Mai**; **Krumme, Andres** *Journal of materials science* 2019 / p.

11618–11634 : ill <https://doi.org/10.1007/s10853-019-03725-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electroconductive fibrous mat prepared by electrospinning of polyacrylamide-g-polyaniline copolymers as electrode material for supercapacitors

Smirnov, Michael; **Tarasova, Elvira; Mikli, Valdek; Vassiljeva, Viktoria; Krumme, Andres** Journal of materials science 2018 / p. 4859–4873 : ill <https://doi.org/10.1007/s10853-018-03186-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrode optimization for bioimpedance based central aortic blood pressure estimation

Metshein, Margus; Kõiv, Hip; Annus, Paul; Min, Mart World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 497-501 https://doi.org/10.1007/978-981-10-9038-7_92 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electrode placement strategies for the measurement of radial artery bioimpedance : simulations and experiments

Pesti, Ksenija; Metshein, Margus; Annus, Paul; Kõiv, Hip; Min, Mart IEEE transactions on instrumentation and measurement 2021 / 10 p. : ill <https://doi.org/10.1109/TIM.2020.3011784> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electromechanical coupling of waves in nerve fibres

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert Biomechanics and modeling in mechanobiology 2018 / p. 1771–1783 : ill <https://doi.org/10.1007/s10237-018-1055-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties

Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials and manufacturing processes 2020 / p. 1885-1894 <https://doi.org/10.1080/10426914.2020.1802045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrospinning of chitosan biopolymer and polyethylene oxide blends

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Baltušnikaitė-Guzaitienė, Julija; Abraitienė, Aušra; **Krumme, Andres** Autex research journal 2020 / p. 426-440 : ill <https://doi.org/10.2478/aut-2019-0031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrospun conductive mats from PANi-ionic liquid blends

Savest, Natalja; Plamus, Tiia; Kütt, Kertu; Kallavus, Urve; Viirsalu, Mihkel; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres Journal of electrostatics 2018 / p. 40-44 <https://doi.org/10.1016/j.elstat.2018.09.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Elliptic-curve crypto processor for RFID applications

Rashid, Muhammad; Jamal, Sajjad Shaukat; Khan, Sikandar Zulqarnain; Alharbi, Adel R.; Aljaedi, Amer; **Imran, Malik** Applied Sciences (Switzerland) 2021 / art. 7079 <https://doi.org/10.3390/app11157079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An embedded half-bridge Γ -Z-source inverter with reduced voltage stress on capacitors

Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; Chub, Andrii Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emerging challenges for numerical simulations of quasi-static collision experiments on laser-welded thin-walled steel structures

Romanoff, Jani; **Körgešaar, Mihkel**; Remes, Heikki Journal of marine science and application 2020 / p. 567-583 : ill <https://doi.org/10.1007/s11804-020-00174-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050

Hirvonen, Janne; Heljo, Juhani; **Jokisalo, Juha**; Kurvinen, Antti; Saari, Arto; Niemelä, Tuomo; Sankelo, Paula; **Kosonen, Risto** Sustainable cities and society 2021 / art. 102896, 22 p. : ill <https://doi.org/10.1016/j.scs.2021.102896> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emissions of DEHPIfree PVC flooring

Castagnoli, Emmanuelle; Backlund, Peter; Talvitie, Oskari; **Kurnitski, Jarek** Indoor air 2019 / p. 903-912 : ill <https://doi.org/10.1111/ina.12591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Endurance of micro-perforated elements in unmanned ground vehicle's small diesel engine silencer application

Rämmal, Hans; Lavrentjev, Jüri SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains—Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0533, p. 1-8 http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf [Conference proceedings](#)

[at Scopus](#) [Article at Scopus](#)

Energy analysis in ice hockey arenas and analytical formula for the temperature profile in the ice pad with transient boundary conditions

Ferrantelli, Andrea; Viljanen, Klaus; **Kurnitski, Jarek** Advances in building energy research 2021 / p. 499-522 : ill

<https://doi.org/10.1080/17512549.2019.1615549> [Journal metrics at Scopus](#) [Article at Scopus](#)

Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin,**

Vladislav Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

Energy efficiency profiles for unmanned ground vehicles

Väljaots, Eero; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2019 / p. 55–65 : ill

<https://doi.org/10.3176/proc.2019.1.04> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy management of an isolated microgrid : a practical case

Ghasemi-Marzbali, Ali; **Ahmadihangar, Roya;** Gouran Orimi, Sina; Shafiei, Mohammad; **Häring, Tobias; Rosin, Argo** IECON

2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 13-16 October 2021, Toronto, ON, Canada 2021 / 6 p. : ill

<https://doi.org/10.1109/IECON48115.2021.9589801> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Energy performance certificate classes rating methods tested with data : how does the application of minimum energy performance standards to worst-performing buildings affect renovation rates, costs, emissions, energy consumption?

Ferrantelli, Andrea; Kurnitski, Jarek Energies 2022 / art. 7552 <https://doi.org/10.3390/en15207552> [Journal metrics at Scopus](#) [Article at Scopus](#)

[at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

Energy performance of the Serbian and Estonian family house with a selective absorption facade

Lukic, N.; Nešovic, A.; Nikolic, N.; **Siirde, Andres; Volkova, Anna; Latõšov, Eduard** IOP conference series : materials science and

engineering 2019 / art. 012047, 10 p. : ill <https://doi.org/10.1088/1757-899X/659/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

[Article at Scopus](#)

Energy pile field simulation in large buildings: validation of surface boundary assumptions

Ferrantelli, Andrea; Fadejev, Jevgeni; Kurnitski, Jarek Energies 2019 / art. 770, 20 p. : ill <https://doi.org/10.3390/en12050770>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy storage facilities impact on flexibility of active distribution networks: stochastic approach

Alipour, Manijeh; Gharehpetian, Gevork B.; **Ahmadihangar, Roya; Rosin, Argo; Kilter, Jako** Electric power systems research

2022 / art. 108645 <https://doi.org/10.1016/j.eprsr.2022.108645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Energy storage for 1500 V photovoltaic systems : A comparative reliability analysis of DC-and AC-Coupling

He, Jinkui; Yang, Yongheng; **Vinnikov, Dmitri** Energies 2020 / art. 3355, 16 p. : ill <https://doi.org/10.3390/en13133355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy trading and management strategies in a regional integrated energy system with multiple energy carriers and renewable-energy generation

Wang, Yizheng; Jiang, Chenwei; **Wen, Fushuan;** Xue, Yusheng; Chen, Fei; Zhang, Lijun; Yuan, Xiang Journal of energy engineering

2021 / p. 04020076-1-04020076-12 : ill [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000726](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000726) [Journal metrics at Scopus](#) [Article at Scopus](#)

[Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks

Ulp, Sander; Le Moullec, Yannick; Alam, Muhammad Mahtab IEEE Access 2019 / p. 4410-4421 : ill

<https://doi.org/10.1109/ACCESS.2018.2888551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy-efficient multi-fragment Markov model guided online model-based testing for MPSoC

Vain, Jüri; Tsiopoulos, Leonidas; Kharchenko, Vyacheslav; **Apneet Kaur; Jenihhin, Maksim; Raik, Jaan; Nõmm, Sven** Green

IT Engineering: Social, Business and Industrial Applications 2019 / p. 273-297 https://doi.org/10.1007/978-3-030-00253-4_12 [Article](#)

[collection at Scopus](#) [Article at Scopus](#)

Engineering students mobility: intercultural barriers to achieving intercultural competences

Vodovozov, Valery; Raud, Zoja Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International

Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 248-255 https://doi.org/10.1007/978-3-030-68201-9_78

[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film

Rajanna, Pramod M.; Gilshteyn, Evgenia P.; Yagafarov, Timur; Alekseeva, Alena A.; Anisimov, Anton S.; Neumüller, Alex; Sergeev, Oleg; **Bereznev, Sergei; Maricheva, Jelena**; Nasibulin, Albert Nanotechnology 2018 / 10 p. : ill <https://doi.org/10.1088/1361-6528/aaa647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancement of hydrogen storage in metals by using a new technique in Severe Plastic Deformations

Omranpour Shahreza, Babak; Kommel, Lembit; Sanchez, E. Garcia Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.173> <https://www.scientific.net/KEM.799.173> https://www.ester.ee/record=b5235278*est [Conference proceeding at Scopus](#) [Article at Scopus](#)

Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers

Pukiene, Simona; Karaliunas, Mindaugas; Jasinskas, A.; **Udal, Andres** Nanotechnology 2019 / art. 455001, 11 p. : ill <https://doi.org/10.1088/1361-6528/ab36f3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing binding properties of imprinted polymers for the detection of small molecules

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Tretjakov, Aleksei; Söritski, Vitali Proceedings of the Estonian Academy of Sciences 2018 / p. 138–146 : ill <https://doi.org/10.3176/proc.2018.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing the partner selection process in a Sustainable Partner Network

Ševtšenko, Eduard; Mahmood, Kashif; Karaulova, Tatjana IFAC-PapersOnLine 2019 / p. 2425-2430 : ill <https://doi.org/10.1016/j.ifacol.2019.11.570> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ensemble approach for detection of depression using EEG features

Avots, Egils; Jermakovs, Klavs; **Bachmann, Maie; Päeske, Laura**; Ozcinar, Cagri; Anbarjafari, Gholamreza Entropy 2022 / art. 211 <https://doi.org/10.3390/e24020211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ensuring Cybersecurity in Shipping: Reference to Estonian Shipowners

Heering, Dan TransNav : the international journal on marine navigation and safety of sea transportation 2020 / p. 271–278 <https://doi.org/10.12716/1001.14.02.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Epistemological explanation of lean construction

Koskela, Lauri; Ferrantelli, Andrea; Niiranen, Jarkko; **Pikas, Ergo**; Dave, Bhargav Journal of construction engineering and management 2019 / p. 04018131-1 -04018131-10 [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001597](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001597) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Erasmus+ strategic partnership as a way to attract young people to engineering

Stepien, Mariusz; Berger, Kevin; **Rassölkin, Anton; Vaimann, Toomas** Advances in Human Factors in Training, Education, and Learning Sciences : Proceedings of the AHFE 2019 International Conference on Human Factors in Training, Education, and Learning Sciences, July 24-28, 2019, Washington D.C., USA 2020 / p. 252-259 https://doi.org/10.1007/978-3-030-20135-7_25 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Erosion studies of the iron boride coatings for protection of tubing components in oil production, mineral processing and engineering applications

Medvedovski, Eugene; **Antonov, Maksim** Wear 2020 / art. 203277, 8 p. : ill <https://doi.org/10.1016/j.wear.2020.203277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Erosive wear resistance of nature-inspired flexible materials

Kumar, Rahul, 1993-; Antonov, Maksim; Holovenko, Yaroslav; Surženkov, Andrei Tribology letters 2020 / art. 51, 8 p. : ill <https://doi.org/10.1007/s11249-020-01296-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Establishing best practices in photoplethysmography signal acquisition and processing

Charlton, Peter H.; **Pilt, Kristjan**; Kyriacou, Panayiotis A. Physiological measurement 2022 / art. 050301, 6 p <https://doi.org/10.1088/1361-6579/ac6cc4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimating parameters for traffic flow using navigation data on vehicles

Burinskiene, Marija; Kapski, Denis; Kasyanik, Valery; **Pashkevich, Anton** The Baltic journal of road and bridge engineering 2020 / p. 1-21 <https://doi.org/10.7250/bjrbe.2020-15.492> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimating sparse signals using integrated wideband dictionaries

Butsenko, Maksim; Swärd, Johan; Jakobsson, Andreas IEEE Transactions on Signal Processing 2018 / p. 4170-4181 : ill <https://doi.org/10.1109/TSP.2018.2835426> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimating the impact of indoor relative humidity on SARS-CoV-2 airborne transmission risk using a new modification of the Wells-Riley model

Aganovic, Amar; Bi, Yang; Cao, Guangyu; Drangsholt, Finn; **Kurnitski, Jarek**; Wargocki, Pawel Building and environment 2021 / art. 108278, 14 p. : ill <https://doi.org/10.1016/j.buildenv.2021.108278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of power system inertia from ambient wide area measurements

Tuttelberg, Kaur; Kilter, Jako; Wilson, Douglas; Uhlen, Kjetil IEEE transactions on power systems 2018 / p. 7249-7257 <https://doi.org/10.1109/TPWRS.2018.2843381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of transmission loss components from phasor measurements

Tuttelberg, Kaur; Kilter, Jako International journal of electrical power & energy systems 2018 / p. 62-71 : ill <https://doi.org/10.1016/j.ijepes.2017.11.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ethical attitudes among engineering students : some preliminary insights

Durst, Susanne; Pevkur, Aive; Parts, Velli Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 780-788 https://doi.org/10.1007/978-3-030-68201-9_77 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

ETSI SmartBAN architecture: The global vision for smart body area networks

Hamalainen, Matti; Mucchi, Lorenzo; Girod-Genet, Marc; Paso, Tuomas; Farserotu, John; Tanaka, Hirokazu; Anzai, Daisuke; Pierucci, Laura; **Khan, Rida; Alam, Muhammad Mahtab** IEEE Access 2020 / art. 9167215, p. 150611-150625 <https://doi.org/10.1109/ACCESS.2020.3016705> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

European Regional Airport : Factors Influencing Efficiency

Nõmmik, Allan; Antov, Dago Transport and telecommunication journal 2020 / p. 211 - 220 <https://doi.org/10.2478/tjt-2020-0017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating architectural, redundancy, and implementation strategies for radiation hardening of FinFET integrated circuits

Pagliarini, Samuel Nascimento; Benites, Luis; Martins, Mayler; Rech, Paolo; Kastensmidt, Fernanda IEEE transactions on nuclear science 2021 / p. 1045-1053 <https://doi.org/10.1109/TNS.2021.3070643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating construction education interventions

Olowa, Theophilus Oluwarotimi Olatunde; Witt, Emlyn David Qivitoq; Lill, Irene Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 138-149 https://doi.org/10.1007/978-3-030-68201-9_49 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluating maritime cluster economic impact : the maritime cluster impact index

Nõmmela, Kaidi; Kõrbe Kaare, Kati Reliability and Statistics in Transportation and Communication : selected papers from the 21st International Multidisciplinary Conference on Reliability and Statistics in Transportation and Communication, RelStat2021, 14-15 October 2021, Riga, Latvia 2022 / p. 556-565 https://doi.org/10.1007/978-3-030-96196-1_51 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluating outdoor thermal comfort using a mixed-method to improve the environmental quality of a university campus

Eslamirad, Nasim; Sepulveda Luque, Abel; De Luca, Francesco; Lylykangas, Kimmo Sakari Energies 2022 / art. 1577, 26 p. : ill <https://doi.org/10.3390/en15041577> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating the changes in the functional status of the musculoskeletal system before and after an intervention among sewing machine operators with partial work ability

Traumann, Ada; **Tint, Piia**; Merisalu, Eda; Hiir, Kadi Journal of biomimetics biomaterials and biomedical engineering 2020 / p. 127-135 <https://doi.org/10.4028/www.scientific.net/JBBBE.47.127> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating the energy readiness of national building stocks through benchmarking

Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek IEEE Access 2022 / p. 45430-45443 : ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of deep neural network compression methods for edge devices using weighted score-based ranking scheme

Ademola, Olutosin Ajibola; Leier, Mairo; Petlenkov, Eduard Sensors 2021 / art. 7529 <https://doi.org/10.3390/s21227529> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of Estonian phosphate rock by flotation

Yang, Xiaosheng; **Tamm, Kadriann; Piir, Indrek; Kuusik, Rein, keemik; Triikkel, Andres; Tõnsuaadu, Kaia** Minerals engineering 2021 / art. 107127, 10 p. : ill <https://doi.org/10.1016/j.mineng.2021.107127> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of high performance aluminum for microwave filters

Martin-Iglesias, P.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186
<https://doi.org/10.1109/MWSYM.2019.8700938> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluation of level-crossing ADCs for event-driven ECG classification

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev** IEEE Transactions on Biomedical Circuits and Systems 2021 / p. 1129-1139
<https://doi.org/10.1109/TBCAS.2021.3136206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of zero-strength layer depths for timber members of floor assemblies with heat resistant cavity insulations

Tiso, Mattia; Just, Alar; Schmid, Joachim; **Mäger, Katrin Nele**; Klippel, Michael Fire safety journal 2019 / p. 137-148 : ill
<https://doi.org/10.1016/j.firesaf.2019.01.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of the nemo-nordic model by comparing the seaice concentration values in the Baltic Sea

Rjazin, Jevgeni; Hordoir, Robinson; Pärn, Ove The Journal of Ocean Technology 2019 / p. 181 - 194
https://www.researchgate.net/publication/334431905_EVALUATION_OF_THE_NEMO-NORDIC_MODEL_BY_COMPARING_THE_SEA-ICE_CONCENTRATION_VALUES_IN_THE_BALTIC_SEA [Journal metrics at Scopus](#) [Article at Scopus](#)

Event detection based on open information extraction and ontology

Sahnoun, Sihem; Elloumi, Samir; **Ben Yahia, Sadok** Journal of Information and Telecommunication 2020 / p. 383-403
<https://doi.org/10.1080/24751839.2020.1763007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Event-based control for differentially flat systems: application to autonomous underwater vehicle

Kaldmäe, Arvo; Kotta, Ülle; Meurer, Christian; Simha, Ashutosh IFAC-PapersOnLine 2019 / p. 180-185
<https://doi.org/10.1016/j.ifacol.2019.11.775> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Event-driven ECG classification using an open-source, LC-ADC based non-uniformly sampled dataset

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; John, Deepu 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p
<https://doi.org/10.1109/ISCAS51556.2021.9401333> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Event-triggered resilient distributed extended Kalman filter with consensus on estimation

Rezaei, Hossein; **Ghorbani, Majid** International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315
<https://doi.org/10.1002/rnc.5881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolution of microstructure and hardness in aluminum processed by high pressure torsion extrusion

Omranpour Shahreza, Babak; Ivanisenko, Yulia; Kulagin, Roman; **Kommel, Lembit**; Sanchez, E. Garcia; Nugmanov, Dayan; Scherer, Torsten; Heczal, Anita; Gubicza, Jenő Materials Science and Engineering : A 2019 / art. 138074, 10 p. : ill
<https://doi.org/10.1016/j.msea.2019.138074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An evolutionary field theorem : evolutionary field optimization in training of power-weighted multiplicative neurons for nitrogen oxides-sensitive electronic nose applications

Alagoz, Baris Baykant; Simsek, Ozlem Imik; Ari, Davut; **Tepljakov, Aleksei; Petlenkov, Eduard; Alimohammadi, Hossein** Sensors 2022 / art. 3836 <https://doi.org/10.3390/s22103836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Exhaust air heat pump connection schemes and balanced heat recovery ventilation effect on district heat energy use and return temperature

Thalfeldt, Martin; Kurnitski, Jarek; Latšov, Eduard Applied thermal engineering 2018 / p. 402-414 : ill
<https://doi.org/10.1016/j.applthermaleng.2017.09.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Expect : eXplainable prediction model for energy consumption

Mouakher, Amira; Inoubli, Wissem; **Ounoughi, Chahinez**; Ko, Andrea Mathematics 2022 / art. 248
<https://doi.org/10.3390/math10020248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experience in an application of project-based learning to teaching of mechanical engineering and energy technology processes control

Höbesaar, Aleksei; Baráškova, Tatjana; Shirokova, Veroonika Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 417-428
https://doi.org/10.1007/978-3-030-68198-2_39 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Experiences from maritime logistics distance learning course

Hilmla, Olli-Pekka Kristian; Palu, Riina; Tolli, Andres Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 577-585 https://doi.org/10.1007/978-3-030-68198-2_53 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Experimental analysis of cross-laminated timber rib panels at normal temperature and in fire

Kleinhenz, Miriam; **Just, Alar**; Frangi, Andrea Engineering structures 2021 / art. 113091, 14 p. : ill

<https://doi.org/10.1016/j.engstruct.2021.113091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental analysis of emission efficiency of parallel and serial connected radiators in EN442 test chamber

Võsa, Karl-Villem; **Ferrantelli, Andrea**; **Kull, Tuule Mall**; **Kurnitski, Jarek** Applied thermal engineering 2018 / p. 531–544 : ill

<https://doi.org/10.1016/j.applthermaleng.2017.12.109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental analysis of engine performance and exhaust pollutant on a single-cylinder diesel engine operated using moringa oleifera biodiesel

Soudagar, Manzoore Elahi M.; Khan, Haris Mahmood; Khan, M. Yunus; Razzaq, Luqman; Asif, Tahir; Mujtaba, M. A.; **Hussain, Abrar**

Applied sciences 2021 / p. 7071–7089 <https://doi.org/10.3390/app11157071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An experimental comparison of heuristic coloring algorithms in terms of found color classes on random graphs

Kumlander, Deniss; Kuliškov, Aleksei WCGO 2019: Optimization of Complex Systems: Theory, Models, Algorithms and

Applications 2020 / p. 365–375 https://doi.org/10.1007/978-3-030-21803-4_37 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental comparison of two-level full-SiC and three-level Si–SiC quasi-Z-source inverters for PV applications

Stepenko, Serhii; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Pires Pimentel, Sergio**; **Santasheva, Elena**

Energies 2019 / 2509 ; 17 p. : ill <https://doi.org/10.3390/en12132509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental determination of radiator, underfloor and air heating emission losses due to stratification and operative temperature variations

Maivel, Mikk; **Ferrantelli, Andrea**; **Kurnitski, Jarek** Energy and buildings 2018 / p. 220–228 : ill

<https://doi.org/10.1016/j.enbuild.2018.01.061> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental evaluation and numerical modelling of the quality of photovoltaic modules

Tšukrejev, Pavel; **Karjust, Kristo**; **Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 477–483 : ill

<https://doi.org/10.3176/proc.2021.4.15> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental evaluation of a new carrier-based modulation method for a three-level T-type quasi-impedance-source inverter

Gutiérrez-Escalona, Javier; Roncero-Clemente, Carlos; Barrero-Gonzalez, Fermin; **Husev, Oleksandr**; **Gonzalez-Romera, Eva**;

Milanes-Montero, Maria Isabel IET power electronics 2022 / p. 337–348 <https://doi.org/10.1049/pel2.12234> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental evaluation of IDA ICE and COMSOL models for an asymmetric borehole thermal energy storage field in Nordic climate

Xue, Tianchen; **Jokisalo, Juha**; **Kosonen, Risto**; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo

Applied thermal engineering 2022 / art. 119261, 15 p. : ill <https://doi.org/10.1016/j.applthermaleng.2022.119261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental investigation of air distribution and ventilation efficiency in an ice rink arena

Toomla, Sander; Lestinen, Sami; Kilpeläinen, Simo; Leppä, Lauri; Kosonen, Risto; **Kurnitski, Jarek** International journal of ventilation

2019 / p. 187–203 : ill <https://doi.org/10.1080/14733315.2018.1437881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental investigation of floating debris impact loading on structures during extreme waves like tsunami

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the 28th (2018) International Ocean and

Polar Engineering Conference (ISOPE-2018) 2018 / ISOPE-I-18-070, 6 p [Experimental investigation... Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental investigations on stiffened and Web-core sandwich panels made for steel under quasi-static penetration

Romanoff, Jani; **Kõrgesaar, Mihkel**; Lehto, Pauli; Berntsson, Kennie; Remes, Heikki Procedia Structural Integrity 2021 / p. 17–24 : ill

<https://doi.org/10.1016/j.prostr.2022.01.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

An experimental study of building blocks of lattice-based NIST post-quantum cryptographic algorithms

Imran, Malik; **Abideen, Zain Ul**; **Pagliarini, Samuel Nascimento** Electronics 2020 / art. 1953, 26 p. : ill

<https://doi.org/10.3390/electronics9111953> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental study of eddy viscosity for breaking waves on sloping bottom and comparisons with empirical and numerical predictions

Oldekop, Nelly; Liiv, Toomas; **Laanearu, Janek** Proceedings of the Estonian Academy of Sciences 2019 / p. 299–312 : ill

<https://doi.org/10.3176/proc.2019.3.07> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-299-312.pdf [Journal metrics at](#)

[Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Experimental study of uni- and bi-directional exchange flows in a large scale rotating trapezoidal channel

De Falco, Maria Chiara; Adduce, Claudia; Cuthbertson, Alan; Negretti, Maria Eletta; **Laanearu, Janek**; Malcangio, Daniela; Sommeria, Joel Physics of Fluids 2021 / art. 036602, 17 p. : ill <https://doi.org/10.1063/5.0039251> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Experimental validation of the Newton observer for a nonlinear flux-controlled AMB system operated with zero-bias flux

Mystkowski, Arkadiusz; Kierdelewicz, A.; **Kotta, Ülle**; **Kaparin, Vadim** International journal of control 2020 / p. 2257-2266 : ill <https://doi.org/10.1080/00207179.2018.1552025> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Explainability and transparency of classifiers for air-handling unit faults using explainable artificial intelligence (XAI)

Meas, Molika; Machlev, Ram; **Köse, Ahmet**; **Tepljakov, Aleksei**; **Loo, Lauri**; Levron, Yoash; **Petlenkov, Eduard**; **Belikov, Juri** Sensors 2022 / art. 6338 : ill <https://doi.org/10.3390/s22176338> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Explainable Artificial Intelligence (XAI) techniques for energy and power systems: Review, challenges and opportunities

Machlev, Ram; Heistrene, L.; Perl, M.; Levy, K. Y.; **Belikov, Juri**; Mannor, S.; Levron, Yoash Energy and AI 2022 / art. 100169, 13 p. : ill <https://doi.org/10.1016/j.egyai.2022.100169> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Article](#) at [WOS](#)

Exploratory data analysis based short-term electrical load forecasting : a comprehensive analysis

Javed, Umar; Ijaz, Khalid; **Shabbir, Noman**; **Kütt, Lauri**; **Husev, Oleksandr** Energies 2021 / art. 5510 <https://doi.org/10.3390/en14175510> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Exponential to ZIP and ZIP to exponential load model conversion : methods and error

Leinakse, Madis; **Kilter, Jako** IET generation, transmission & distribution 2021 / p. 177-193 <https://doi.org/10.1049/gtd2.12002> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Fabrication, potentiometric characterization, and application of screen-printed RuO₂ pH electrodes for water quality testing

Uppuluri, Kiranmai; **Lazouskaya, Maryna**; Szwagierczak, Dorota; Zaraska, Krzysztof; Tamm, Martti Sensors 2021 / art. 5399, 15 p. : ill <https://doi.org/10.3390/s21165399> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Facade-floor-cluster methodology for determining optimal building clusters for solar access and floor plan layout in urban environments

De Luca, Francesco; Nejur, Andrei; Dogan, Timur Computing for a better tomorrow : eCAADe 2018 : proceedings of the 36th International Conference on Education and Research in Computer Aided Architectural Design in Europe : 19th-21st September 2018, Łódź, Poland, Faculty of Civil Engineering, Architecture and Environmental Engineering, Lodz University of Technology ; Vol. 2 2018 / p. 585-594 <https://doi.org/10.52842/conf.ecaade.2018.2.585> [Conference Proceedings](#) at [Scopus Article](#) at [Scopus](#)

Face centered cubic titanium in high pressure torsion processed carbon nanotubes reinforced titanium composites

Li, F. X.; Chen, P.; Chen, Z.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2019 / p. 939-945 : ill <https://doi.org/10.1016/j.jallcom.2019.07.277> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Factors of socially engineering citizens in critical situations

Lorenz, Birgy; **Kikkas, Kaido**; Osula, Kairi Advances in Human Factors in Cybersecurity : proceedings of the AHFE 2018 : International Conference on Human Factors in Cybersecurity, July 21-25, 2018, Loews Sapphire Falls Resort at Universal Studios, Orlando, Florida, USA 2019 / p. 229-240 https://doi.org/10.1007/978-3-319-94782-2_23 [Conference proceedings](#) at [Scopus Article](#) at [Scopus](#) [Article](#) at [WOS](#)

Failure analysis of a spray polyurethane foam roofing system

Kalamees, Targo; **Põldaru, Mattias**; **Ilomets, Simo**; **Klõšeiko, Paul**; **Kallavus, Urve**; **Rosenberg, Margit**; **Õiger, Karl** Journal of building engineering 2020 / art. 101752, 9 p. : ill <https://doi.org/10.1016/j.job.2020.101752> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Failure consequence evaluation of uncontrollable district heating network

Mao, Ding; Wang, Peng; **Ju, Yuchen**; Ni, Long Sustainable cities and society 2022 / art. 103593, 16 p. : ill <https://doi.org/10.1016/j.scs.2021.103593> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Fast and fair computation offloading management in a swarm of drones using a rating-based federated learning approach

Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2021 / p. 113832-113849 <https://doi.org/10.1109/ACCESS.2021.3104117> [Journal metrics](#) at [Scopus Article](#) at [Scopus](#) [Journal metrics](#) at [WOS Article](#) at [WOS](#)

Fast identification of true critical paths in sequential circuits

Ubar, Raimund-Johannes; **Kostin, Sergei**; **Jenihhin, Maksim**; **Raik, Jaan**; **Jürimägi, Lembit** Microelectronics reliability 2018 /

p. 252-261 : ill <https://doi.org/10.1016/j.microrel.2017.11.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

FastStereoNet : A fast neural architecture search for improving the inference of disparity estimation on resource-limited platforms

Loni, Mohammad; Zoljodi, Ali; Majd, Amin; Ahn, Byung Hoon; **Daneshtalab, Masoud**; Sjödin, Mikael; Esmaeilzadeh, Hadi IEEE Transactions on Systems, Man, and Cybernetics : Systems 2022 / p. 5222-5234 : ill <https://doi.org/10.1109/TSMC.2021.3123136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fault detecting accuracy of mechanical damages in rolling bearings

Kudelina, Karolina; Baraškova, Tatjana; Shirokova, Veroonika; Vaimann, Toomas; **Rassõlkin, Anton** Machines 2022 / art. 86 <https://doi.org/10.3390/machines10020086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fault-tolerant control of a grid-connected bipolar DC microgrid with high penetration of intermittent renewable energy

Senanayaka, Jagath; Khang, Huynh Van; **Rassõlkin, Anton**; **Vaimann, Toomas**; Zakis, Janis; Pomarnacki, Raimondas IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9968572> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-Type inverter

Shevchenko, Viktor; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Stepins, Deniss; Strzelecki, Ryszard Energies 2020 / art. 4535, 16 p. : ill <https://doi.org/10.3390/en13174535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility study of interleaving approach for Quasi-Z-Source inverter

Stepenko, Serhii; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Fesenko, Artem; **Matiushkin, Oleksandr** Electronics 2020 / art. 277, 11 p. : ill <https://doi.org/10.3390/electronics9020277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility study of model predictive control for grid-connected twisted buck-boost inverter

Matiushkin, Oleksandr; **Husev, Oleksandr**; Rodriguez, Jose; Young, Hector; **Roasto, Indrek** IEEE transactions on industrial electronics 2022 / p. 2488-2499 <https://doi.org/10.1109/TIE.2021.3068663> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feedback linearization of discrete-time nonlinear control systems : computational aspects

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 11-26 <https://doi.org/10.3176/proc.2020.1.03> http://kirj.ee/32996/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ferritic chromium steel as binder metal for WC cemented carbides

Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Mere, Arvo; Kolnes, Märt; Viljus, Mart; Maaten, Birgit International journal of refractory metals and hard materials 2018 / p. 183-191 : ill <https://doi.org/10.1016/j.jrmhm.2018.02.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fibrous alumina-based Ni-CeO₂ catalyst : synthesis, structure and properties in propane pre-reforming

Potemkin, D. I.; Aghayan, Marina; Kamboj, Nikhil Kumar; Hussainova, Irina Materials letters 2018 / p. 35-37 : ill <https://doi.org/10.1016/j.matlet.2017.12.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fibrous alumina-based Ni-MO_x (M= Mg, Cr, Ce) catalysts for propane pre-reforming

Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar**; Snytnikov, P.V.; **Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill <https://doi.org/10.1016/j.matlet.2019.126741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fiducial point estimation solution for impedance cardiography measurements

Märtens, Olev; **Metshein, Margus**; **Abdullayev, Anar**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; Saeed, Maryam; John, Deepu; Cardiff, Barry; Krivošei, Andrei; **Annus, Paul**; **Rist, Marek** 2022 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) 2022 / Code 180602 <https://doi.org/10.1109/I2MTC48687.2022.9806596> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Finite determination of accessibility and singular points of nonlinear systems: an algebraic approach

Sarafrazi, Mohammad Amin; **Kotta, Ülle**; Bartosiewicz, Zbigniew Systems & control letters 2020 / art. 104600, p. 1-7 <https://doi.org/10.1016/j.sysconle.2019.104600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Finite element based meta-modeling of ship-ice interaction at shoulder and midship areas for ship performance simulation

Li, Fang; **Körgešaar, Mihkel**; Kujala, Pentti; Goerlandt, Floris Marine structures 2020 / art. 102736 <https://doi.org/10.1016/j.marstruc.2020.102736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fire tests on glued-laminated timber beams with specific local material properties

Fahrni, Reto; Klippel, Michael; **Just, Alar**; Ollinoc, A.; Frangi, Andrea Fire safety journal 2019 / p. 161-169 : ill

First principles simulations of phenol and methanol detector based on pristine graphene nanosheet and armchair graphene nanoribbons

Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas Sensors 2019 / art. 2731, 14 p. : ill <https://doi.org/10.3390/s19122731> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A flapped paddle-fin for improving underwater propulsive efficiency of oscillatory actuation

Simha, Ashutosh; Gkliva, Roza; Kotta, Ülle; Kruusmaa, Maarja IEEE robotics and automation letters 2020 / p. 3176-3181 <https://doi.org/10.1109/LRA.2020.2975747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A flexible enhanced throughput and reduced overhead (FETRO) MAC protocol for ETSI SmartBAN

Khan, Rida; Alam, Muhammad Mahtab; Guizani, Mohsen IEEE Transactions on Mobile Computing 2022 / p. 2671-2686 : ill <https://doi.org/10.1109/TMC.2020.3047596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Flexible presentations of graded monads

Katsumata, Shin-ya; McDermott, Dylan; **Uustalu, Tarmo;** Wu, Nicolas Proceedings of the ACM on Programming Languages 2022 / art. 123, 28 p <https://doi.org/10.1145/3547654> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

FLHex: a flapped-paddle hexapod for all-terrain amphibious locomotion

Burzynski, Piotr; **Simha, Ashutosh; Kotta, Ülle;** Pawluszewicz, Ewa; Sastry, Shivakumar Bulletin of the Polish Academy of Sciences Technical Sciences 2021 / art. e139007, 9 p. : ill <https://doi.org/10.24425/bpasts.2021.139007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food recognition and food waste estimation using convolutional neural network

Lubura, Jelena; Pezo, Lato; Sandu, Mirela Alina; **Voronova, Viktoria;** Donsi, Francesco; Šic Žlabur, Jana; Ribic, Bojan; Peter, Anamarija; Šuric, Jona; Brandic, Ivan; **Klōga, Marija** Electronics 2022 / art. 3745 <https://doi.org/10.3390/electronics11223746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food waste : challenges and opportunities for enhancing the emerging bio-economy

Morone, Piergiuseppe; Koutinas, Apostolis; **Gathergood, Nicholas;** Arshadi, Mehrdad; Matharu, Avtar Journal of cleaner production 2019 / p. 10-16 <https://doi.org/10.1016/j.jclepro.2019.02.258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

FOPID controllers and their industrial applications: a survey of recent results

Tepljakov, Aleksei; Alagoz, Baris Baykant; **Petlenkov, Eduard** IFAC-PapersOnLine 2018 / p. 25-30 <https://doi.org/10.1016/j.ifacol.2018.06.014> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Forecasting available demand-side flexibility

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49 https://doi.org/10.1007/978-981-15-4627-3_4 [Journal metrics at Scopus](#) [Article at Scopus](#)

Forecasting of energy consumption and production using recurrent neural networks

Shabbir, Noman; Kütt, Lauri; Jawad, Muhammad; **Iqbal, Muhammad Naveed;** Ghahfarokhi, Payam Shams Advances in electrical and electronic engineering 2020 / p. 190-197 <https://doi.org/10.15598/aeet.v18i3.3597> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Forecasting of wind speed and power through FFNN and CFNN using HPSOBA and MHP SO-BAACs techniques

Ellahi, Manzoor; Usman, Muhammad Rehan; Arif, Waqas; Usman, Hafiz Fuad; Khan, Waheed A.; Satrya, Gandeve Bayu; **Daniel, Kamran; Shabbir, Noman** Electronics 2022 / art. 4193 <https://doi.org/10.3390/electronics11244193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Foreword

Õpik, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 115-116 http://www.kirj.ee/public/proceedings_pdf/2018/issue_2/proc-2018-2-115-116.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Formal methods based security for cloud-based manufacturing cyber physical system

Muniasamy, Kandasamy; Srinivasan, Seshadri; **Vain, Jüri;** Sethumadhavan, M. IFAC-PapersOnLine 2019 / p. 1198-1203 <https://doi.org/10.1016/j.ifacol.2019.11.361> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A formal specification smart-contract language for legally binding decentralized autonomous organizations

Dwivedi, Vimal Kumar; Norta, Alexander; Wulf, Alexander; Leiding, Benjamin; Saxena, Sandeep; **Udokwu, Chibuzor** IEEE Access 2021 / p. 76069-76082 : ill <https://doi.org/10.1109/ACCESS.2021.3081926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formation number of vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 121-139 https://doi.org/10.1007/978-3-030-68150-0_6
[Article collection metrics at Scopus](#) [Article at Scopus](#)

Formation of fine Mg₂Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling

Seth, Prem Prakash; **Singh, Neera**; Singh, Manoj; Prakash, Om; Kumar, Devendra Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Fractional-order modeling and control of ionic polymer-metal composite actuator

Tepljakov, Aleksei; Vunder, Veiko; **Petlenkov, Eduard**; Nakshatharan, S Sunjai; Punning, Andres; **Kaparin, Vadim**; **Belikov, Juri**; Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Fracture and Damage to the Material accounting for Transportation Crash and Accident

Ridwan; **Putranto, Teguh**; Laksono, Fajar Budi; Prawobo, Aditya Rio Procedia Structural Integrity, vol. 27 2020 / p. 38-45
<https://doi.org/10.1016/j.prostr.2020.07.006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Framework for connecting the mobility challenges in low density areas to smart mobility solutions: the case study of Estonian municipalities

Agriesti, Serio Angelo Maria; **Soe, Ralf-Martin**; **Saif, Muhammad Atiullah** European transport research review 2022 / art. 32
<https://doi.org/10.1186/s12544-022-00557-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Free fall water entry of a two-dimensional asymmetric wedge in oblique slamming : a numerical study

Hosseinzadeh, Saeed; Izadi, Mohammad; **Tabri, Kristjan** ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering : Vol. 8: CFD and FSI, August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-18645, V008T08A013 ; 8 pages <https://doi.org/10.1115/OMAE2020-18645> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Free vibration analysis of a functionally graded material beam : evaluation of the Haar wavelet method

Kirs, Maarjus; **Karjust, Kristo**; Aziz, Imran; **Õunapuu, Erko**; **Tungel, Ernst** Proceedings of the Estonian Academy of Sciences 2018 / p. 1-9 : ill <https://doi.org/10.3176/proc.2017.4.01> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Free vibration analysis of tapered Timoshenko beam with higher order Haar wavelet method

Mehrpavar, Marmar; **Majak, Jüri**; **Karjust, Kristo**; **Arda, Mustafa** Proceedings of the Estonian Academy of Sciences 2022 / p. 77-83 : ill <https://doi.org/10.3176/proc.2022.1.07> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#)
[Article at WOS](#)

Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions

Holovenko, Yaroslav; **Antonov, Maksim**; **Kollo, Lauri**; **Hussainova, Irina** Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 <https://doi.org/10.1177/1350650117738920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Friction welding of electron beam melted Ti-6Al-4V

Qin, P.T.; Damodaram, R.; Maity, Tapabrata; Zhang, W.W.; Yang, C.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2019 / art. 138045, 6 p. : ill <https://doi.org/10.1016/j.msea.2019.138045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying

Mu, Yongkun; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 <https://doi.org/10.3390/e22070740> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

From bench to bedside

Arezzo, Alberto; **Kruusmaa, Maarja**; **Mylonas, George** IEEE Transactions on Medical Robotics and Bionics 2022 / p. 297 - 299
<https://doi.org/10.1109/TMRB.2022.3172013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuel economy regression analyses for hybrid electric vehicle

Vu, Trieu Minh; **Moezzi, Reza**; Owe, Israel European journal of electrical engineering 2018 / p. 363–377
<https://doi.org/10.3166/ejee.20.363-377> [Journal metrics at Scopus](#) [Article at Scopus](#)

Full field computing for elastic pulse dispersion in inhomogeneous bars

Berezovski, Arkadi; Kolman, Radek; Berezovski, Mihail; Gabriel, Dusan; Adámek, V. Composite structures 2018 / p. 388-394 : ill <https://doi.org/10.1016/j.compstruct.2018.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Full-bridge fault-tolerant isolated DC-DC converters : overview of technologies and application challenges

Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri IEEE Power Electronics Magazine 2022 / p. 45-55
<https://doi.org/10.1109/MPEL.2022.3196565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Functorial semantics for partial theories

Di Liberti, Ivan; **Loregian, Fosco; Nester, Chad Mitchell; Sobocinski, Pawel Maria** Proceedings of the ACM on Programming Languages 2021 / art. 57, 28 p. : ill <https://doi.org/10.1145/3434338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fundamentals, recent advances, and future challenges in bioimpedance devices for healthcare applications

Naranjo-Hernandez, David; Reina-Tosina, Javier; **Min, Mart** Journal of sensors 2019 / art. 9210258, 42 p. : ill
<https://doi.org/10.1155/2019/9210258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts

Ping, Kefeng; Braschinsky, Alan; **Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo;** Aruväli, Jaan; Paiste, Päärm; Vlassov, Sergei; Kook, Mati; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kongi, Nadežda; **Starkov, Pavel** ACS Applied Energy Materials 2020 / p. 152–157 : ill <https://doi.org/10.1021/acsaem.9b02039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuzzy AHP as a tool for prioritization of key performance indicators

Kaganski, Sergei; Majak, Jüri; Karjust, Kristo Procedia CIRP 2018 / p. 1227-1232 : ill <https://doi.org/10.1016/j.procir.2018.03.097> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Future of governance for digital platform ecosystems

Kitsing, Meelis; **Vallistu, Johanna** Proceedings of Fifth International Congress on Information and Communication Technology : ICICT 2020, London ; 2 2021 / p. 334-341 https://doi.org/10.1007/978-981-15-5859-7_33 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Gas sensing capability of spray deposited Al-doped ZnO thin films

Eensalu, Jako Siim; Katerski, Atanas; Mere, Arvo; Krunks, Malle Proceedings of the Estonian Academy of Sciences 2018 / p. 124–130 : ill <https://doi.org/10.3176/proc.2018.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gas-phase photocatalytic degradation of acetone and toluene, and their mixture in the presence of ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge

Kask, Maarja; Bolobajev, Juri; Kriševskaja, Marina Chemical engineering journal 2020 / art. 125815, 9 p. : ill
<https://doi.org/10.1016/j.cej.2020.125815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generative adversarial networks as a data augmentation tool for CNN-based Parkinson's disease diagnostics

Dzotsenidze, Erik; Valla, Elli; Nömm, Sven; Medijainen, Kadri; Taba, Pille; Toomela, Aaro IFAC-Papers OnLine 2022 / p. 108-113 : ill <https://doi.org/10.1016/j.ifacol.2022.10.240> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A geometric approach to position tracking control of a nonholonomic planar rigid body : case study of an underwater vehicle

Simha, Ashutosh; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 215-227 : ill
<https://doi.org/10.3176/proc.2020.3.05> https://kirj.ee/public/proceedings_pdf/2020/issue_3/proc-2020-3-215-227.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Going digital, staying secure : cyber ERM activities in a post-pandemic setup

Carlo, Antonio; Casamassima, Francesca IAC 2022 congress proceedings 2022 / art. 70417
<https://iafastro.directory/iac/paper/id/70417/summary/> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Gradient microstructure in tantalum formed under the wear track during dry sliding friction

Kommel, Lembit; Põdra, Priit; Mikli, Valdek; Omranpour Shahreza, Babak Wear 2021 / art. 203573, 7 p. : ill
<https://doi.org/10.1016/j.wear.2020.203573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types

Kazantseva, Jekaterina; **Ivanov, Roman;** Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill <https://doi.org/10.1021/acsbomaterials.8b00228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Grid integration of DC buildings : standards, requirements and power converter topologies

Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Emiliani, Pietro; de Carne, Giovanni; **Vinnikov, Dmitri** IEEE open journal of power electronics 2022 / p. 798-823 <https://doi.org/10.1109/OJPEL.2022.3217741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Grid-connected single-phase 3L-T-type qZS inverter for renewable energy

Roncero-Clemente, Carlos; **Husev, Oleksandr;** Ruiz-Cortes, Mercedes; Romero-Cadaval, Enrique; Barrero-Gonzalez, Fermin;

Gonzalez-Romera, Eva IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 5003-5007 : ill <https://doi.org/10.1109/IECON.2019.8926888> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Grid-forming operation of energy-router based on model predictive control with improved dynamic performance

Najafzadeh, Mahdiyyeh; Strzelecka, Natalia; **Husev, Oleksandr; Roasto, Indrek;** Nassereddine, Kawsar; **Vinnikov, Dmitri;** Strzelecki, Ryszard Energies 2022 / 14 p. : ill <https://doi.org/10.3390/en15114010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growing trade, but slowing unitized short sea shipping : analysing Finland and Germany

Hilmola, Olli-Pekka Kristian; Tolli, Andres Transport and telecommunication 2019 / p. 82-91 : ill <https://doi.org/10.2478/tjt-2019-0008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Guest Editorial

Jallouli, Rim; Tobji, Mohamed Anis Bach; **Piho, Gunnar;** McHeick, Hamid Journal of Telecommunications and the Digital Economy 2022 / p. 1-5 <https://doi.org/10.18080/jtde.v10n2.590> [Journal metrics at Scopus](#) [Article at Scopus](#)

Hairpin windings for electric vehicle motors : modeling and investigation of AC loss-mitigating approaches

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Cardoso, Antonio J. Marques; **Kallaste, Ants;** Belahcen, Anouar; **Vaimann, Toomas** Machines 2022 / art. 1029 <https://doi.org/10.3390/machines10111029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Half-bridge trans-Z-source inverter with high boost factor

Mashinchi Maheri, Hamed; Shokati Asl, Elias; Babaei, Ebrahim; Sabahi, Mehran; Vinnikov, Dmitri IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589525> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hardware trojan insertion in finalized layouts : from methodology to a silicon demonstration

Perez, Tiago Diadami; Pagliarini, Samuel Nascimento IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 2023 / p. 2094-2107 <https://doi.org/10.1109/TCAD.2022.3223846> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hardware-in-the-Loop test of an open loop fuzzy control method for decoupled electro-hydraulic antilock braking system

Aksjonov, Andrei; Ricciardi, Vincenzo; Augsburg, Klaus; **Vodovozov, Valery; Petlenkov, Eduard** IEEE transactions on fuzzy systems 2020 / p. 965-975: ill <https://doi.org/10.1109/TFUZZ.2020.2965868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Harmonic emissions of power electronic devices under different transmission network operating conditions

Božicek, Ambrož; **Kilter, Jako; Sarnet, Tanel;** Papic, Igor; Blažis, Boštjan IEEE transactions on industry applications 2018 / p. 5216-5226 : ill <https://doi.org/10.1109/TIA.2018.2808478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Harnessing cloud scalability to hadoop clusters

Koschel, Arne; Heine, Felix; **Astrova, Irina** Information Systems 15th European, Mediterranean, and Middle Eastern Conference, EMCIS 2018 : Limassol, Cyprus, October 4–5, 2018 : proceedings 2019 / p. 59-71 https://doi.org/10.1007/978-3-030-11395-7_6 [Conference proceeding at Scopus](#) [Article at Scopus](#)

Health and safety management at workplaces through interactive tools

Kontus, Sigrid; Reinhold, Karin Human Interaction, Emerging Technologies and Future Applications IV :Proceedings of the 4th International Conference on Human Interaction and Emerging Technologies: Future Applications (IHET – AI 2021), April 28-30, 2021, Strasbourg, France 2021 / p. 686–693 https://doi.org/10.1007/978-3-030-74009-2_87 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Health index prediction of overhead transmission lines : a machine learning approach

Manninen, Henri; Kilter, Jako; Landsberg, Mart IEEE transactions on power delivery 2022 / p. 50-58 <https://doi.org/10.1109/TPWRD.2021.3052721> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heat conduction in microstructured solids under localised pulse loading

Berezovski, Arkadi Continuum mechanics and thermodynamics 2021 / p. 2493-2507 <https://doi.org/10.1007/s00161-021-01032-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heat loss due to domestic hot water pipes

Hamburg, Anti; Mikola, Alo; Parts, Tuule Mall; Kalamees, Targo Energies 2021 / art. 6446 <https://doi.org/10.3390/en14206446> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heating energy-saving potentials in HVAC system of swimming halls : a review

Yuan, Xiaolei; Chen, Zhisen; Liang, Yumin; Pan, Yiqun; **Jokisalo, Juha; Kosonen, Risto** Building and environment 2021 / art. 108189, 18 p. : ill <https://doi.org/10.1016/j.buildenv.2021.108189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Heating sizing power reduction in buildings connected to district heating with dynamically controlled DHW setback and flow limiters

Hajian, Hatef; **Simson, Raimo**; **Kurnitski, Jarek** Energies 2022 / art. 5278 <https://doi.org/10.3390/en15145278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heavy metals removal in biological wastewater treatment dependent on process parameters

Lember, Erki; **Pachel, Karin**; **Loigu, Enn** Desalination and water treatment 2018 / p. 245-251 : ill <https://doi.org/10.5004/dwt.2018.22460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High energy milling of WC-FeCr cemented carbide

Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill <https://www.scientific.net/KEM.799.136> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.136> [Conference proceeding at Scopus](#) [Article at Scopus](#)

High gain DC-AC high-frequency link inverter with improved quasi-resonant modulation

Blinov, Andrei; **Korkh, Oleksandr**; **Chub, Andrii**; **Vinnikov, Dmitri**; **Peffitsis, Dimosthenis**; **Norruga, Staffan**; **Galkin, Ilja** IEEE transactions on industrial electronics 2022 / p. 1465-1476 : ill <https://doi.org/10.1109/TIE.2021.3060657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications

Maity, Tapabrata; **Balci, Özge**; **Gammer, C.**; **Ivanov, E.**; **Eckert, Jürgen**; **Prashanth, Konda Gokuldoss** Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature erosion-corrosion of wear protection materials

Varga, Markus; **Rojacz, Harald**; **Widder, Lukas**; **Antonov, Maksim** Journal of Bio- and Tribo-Corrosion 2021 / art. 87 <https://doi.org/10.1007/s40735-021-00504-9> [Journal metrics at Scopus](#) [Article at Scopus](#)

High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes

Rahmani Ahranjani, Ramin; **Molan, Katja**; **Brojan, Miha**; **Prashanth, Konda Gokuldoss**; **Stopar, David** The international journal of advanced manufacturing technology 2022 / p. 975-988 : ill <https://doi.org/10.1007/s00170-022-08878-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-efficiency single-stage onboard charger for electrical vehicles

Zinchenko, Denys; **Blinov, Andrei**; **Chub, Andrii**; **Vinnikov, Dmitri**; **Verbytskyi, Ievgen**; **Bayhan, Sertac** IEEE Transactions on Vehicular Technology 2021 / p. 12581-12592 : ill <https://doi.org/10.1109/TVT.2021.3118392> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-entropy eutectic composites with high strength and low Young's modulus

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; **Balci, Özge**; **Cieslak, Grzegorz**; **Spychalski, Maciej**; **Kulik, Tadeusz**; **Eckert, Jürgen** Material design & processing communications 2021 / art. e211 <https://doi.org/10.1002/mdp2.211> [Journal metrics at Scopus](#) [Article at Scopus](#)

Higher-order Haar wavelet method for vibration analysis of nanobeams

Majak, Jüri; **Shvartsman, Boris**; **Ratas, Mart**; **Bassir, David**; **Pohlak, Meelis**; **Karjust, Kristo**; **Eerme, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab <https://doi.org/10.1016/j.mtcomm.2020.101290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Highly active Fe-N/C oxygen electrocatalysts based on silicon carbide derived carbon

Teppor, Patrick; **Jäger, Rutha**; **Hints, J.**; **Volobujeva, Olga**; **Valk, Peeter**; **Koppel, Miriam**; **Lust, Enn** Polymer Electrolyte Fuel Cells & Electrolyzers 20 (PEFC & E 20) 2020 / p. 607 - 615 <https://doi.org/10.1149/09809.0607ecst> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

High-performance buck-boost partial power quasi-Z-source series resonance converter

Abdel-Rahim, Omar; **Chub, Andrii**; **Mashinchi Maheri, Hamed**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 <https://doi.org/10.1109/ACCESS.2022.3225751> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-strength aluminum alloy of ultrafine grained by consolidation-ECAP

Pramono, Agus; **Kollo, Lauri**; **Kommel, Lembit**; **Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill <https://doi.org/10.1088/1757-899X/478/1/012035> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at](#)

High-strength fuel pellets made of flour milling and coal slack wastes

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High voltage pulse transformer for IOT modulators

Jalakas, Tanel; Janson, Kuno; Mölder, Heigo; Roasto, Indrek IET electric power applications 2020 / p. 2348-2354
<https://doi.org/10.1049/iet-epa.2019.0877> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A holistic risk-based maintenance methodology for transmission overhead lines using tower specific health indices and value of loss load

Manninen, Henri; Kilter, Jako; Landsberg, Mart International journal of electrical power and energy systems 2022 / art. 107767 ; 11 p. : ill <https://doi.org/10.1016/j.ijepes.2021.107767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How does context influence music preferences : a user-based study of the effects of contextual information on users' preferred music

Ben Sassi, Imen; Ben Yahia, Sadok Multimedia Systems 2021 / p. 143–160 <https://doi.org/10.1007/s00530-020-00717-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How the Anti-TrustRank algorithm can help to protect the reputation of financial institutions

Astrova, Irina Research Challenges in Information Science : 14th International Conference, RCIS 2020, Limassol, Cyprus, September 23-25, 2020 : Proceedings 2020 / p. 503-508 https://doi.org/10.1007/978-3-030-50316-1_30 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

How to select and weight context dimensions conditions for context-aware recommendation?

Zammali, Saloua; **Ben Yahia, Sadok** Expert Systems with Applications 2021 / art. 115176 <https://doi.org/10.1016/j.eswa.2021.115176>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How well are energy performance objectives being achieved in renovated apartment buildings in Estonia?

Hamburg, Anti; Kalamees, Targo Energy and buildings 2019 / p. 332–341 <https://doi.org/10.1016/j.enbuild.2019.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hull–propeller interaction for planing boats: a numerical study

Roshan, Fatemeh; **Dashtimanesh, Abbas;** Tavakoli, Sasan; Bilandi, Rasul Niazmand; Abyn, Hassan Ships and offshore structures 2020 / 14 p. : ill <https://doi.org/10.1080/17445302.2020.1790295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid DC–DC converters with topology morphing control and post-fault operation capability

Vinnikov, Dmitri; Chub, Andrii; Korkh, Oleksandr; Blinov, Andrei; Liivik, Elizaveta Electrimacs 2019 : Selected Papers, Vol. 1 2020 / p. 433-445 https://doi.org/10.1007/978-3-030-37161-6_33 [Conference proceeding at Scopus](#) [Article at Scopus](#)

Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells

Kazantseva, Jekaterina; **Hussainova, Irina; Ivanov, Roman;** Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill <https://doi.org/10.1098/rsfs.2017.0037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid inverter and control strategy for enabling the PV generation dispatch using extra-low-voltage batteries

Meneghetti, Luiz Henrique; **Carvalho da Silva, Edivan Laercio;** Carati, Emerson Giovani; Denardin, Gustavo Weber; da Costa, Jean Patric; de Oliveira Stein, Carlos Marcelo; Cardoso, Rafael Energies 2022 / art. 7539 <https://doi.org/10.3390/en15207539> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid molecularly imprinted polymer for amoxicillin detection

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Furchner, Andreas; Söritski, Vitali Biosensors and bioelectronics 2018 / p. 102-107 : ill <https://doi.org/10.1016/j.bios.2018.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A hybrid numerical model based on FNPT-NS for the estimation of long wave run-up

Manoj Kumar, G.; Sriram, Venkatachalam; **Didenkulova, Irina** Ocean engineering 2020 / art. 107181
<https://doi.org/10.1016/j.oceaneng.2020.107181> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid protection of digital FIR filters

Aksoy, Levent; Nguyen, Quang-Linh; **Almeida, Felipe; Raik, Jaan;** Flottes, Marie-Lise; Dupuis, Sophie; **Pagliarini, Samuel Nascimento** IEEE transactions on Very Large Scale Integration (VLSI) Systems 2023 / p. 812-825 : ill
<https://doi.org/10.1109/TVLSI.2023.3253641> [Journal metrics at Scopus](#)

Hybrid thermal model of a synchronous reluctance machine

Shams Ghahfarokhi, Payam; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton Case studies in thermal engineering 2018 / p. 381-389 : ill <https://doi.org/10.1016/j.csite.2018.05.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydraulic characterization of Diesel, B50 and B100 using momentum flux

Atique, Muhammad Numan; Imran, S.; Razaq, Luqman; Mujtaba, M. A.; Nawaz, Saad; Kalam, M. A.; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Veza, Iqbal; Arshad, Attique Alexandria engineering journal 2021 / p. 4371-4388 : ill <https://doi.org/10.1016/j.aej.2021.09.064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydraulics of vertical-slot fishways: nonuniform profiles

Fuentes-Pérez, Juan Francisco; Tuhtan, Jeffrey Andrew; Eckert, Mario; Romao, F.; Ferreira, Maria Teresa; **Kruusmaa, Maarja**; Branco, Paulo Journal of hydraulic engineering 2019 / p. 06018020-1 - 06018020-6 : ill [https://doi.org/10.1061/\(ASCE\)HY.1943-7900.0001565](https://doi.org/10.1061/(ASCE)HY.1943-7900.0001565) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydroacoustic and pressure turbulence analysis for the assessment of fish presence and behavior upstream of a vertical trash rack at a run-of-river hydropower plant

Schmidt, Marc B.; **Tuhtan, Jeffrey Andrew**; Schletterer, Martin Applied sciences 2018 / art. 1723, 20 p. : ill <https://doi.org/10.3390/app8101723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic characteristics of tunneled planing hulls in calm water

Roshan, Fatemeh; **Dashtimanesh, Abbas**; Bilandi, Rasul Niazmand Brodogradnja : Teorija i praksa brodogradnje i pomorske tehnike 2020 / p. 19-38 : ill <https://hrcak.srce.hr/232081> <https://doi.org/10.21278/brod71102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic study of heeled double-stepped planing hulls using CFD and 2D+T method

Bilandi, Rasul Niazmand; **Dashtimanesh, Abbas**; Tavakoli, Sasan Ocean engineering 2020 / art. 106813 ; 21 p. : ill <https://doi.org/10.1016/j.oceaneng.2019.106813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydroelastic effects of slamming impact loads during free-fall water entry

Hosseinzadeh, Saeed; Tabri, Kristjan Ships and offshore structures 2021 / p. 68-84 : ill <https://doi.org/10.1080/17445302.2021.1954320> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydromorphological classification using synchronous pressure and inertial sensing

Ristolainen, Asko; Kalev, Kaia; Tuhtan, Jeffrey Andrew; Kuusik, Alar; Kruusmaa, Maarja IEEE transactions on geoscience and remote sensing 2018 / p. 3222-3232 : ill <https://doi.org/10.1109/TGRS.2018.2795641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal analysis of masonry wall with reed boards as interior insulation system

Keskküla, Kadri; Aru, Tambet; **Kiviste, Mihkel**; Miljan, Martti-Jaan Energies 2020 / art. 5252, 10 p. : ill <https://doi.org/10.3390/en13205252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of a brick wall with interior insulation in cold climate : vapour open vs vapour tight approach

Klõšeiko, Paul; Kalamees, Targo Journal of building physics 2022 / p. 3-35 : ill <https://doi.org/10.1177/17442591211056067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hysteresis measurements and numerical losses segregation of additively manufactured silicon steel for 3D printing electrical machines

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton; Lukichev, Dmitry Applied sciences 2020 / art. 6515, 15 p <https://doi.org/10.3390/app10186515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer

Shafiq, Muhammad; **Kiitam, Ivar; Taklaja, Paul; Kütt, Lauri**; Kauhaniemi, Kimmo; **Palu, Ivo** IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill <https://doi.org/10.1109/ACCESS.2019.2930704> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of seismic signals at the output of large ring laser gyroscope

Tari, J.B.; Eno, N.A Earth Observing Systems XXIII, 21-23 August 2018, San Diego, California, United States 2018 / art. 107641M, 11 p. : ill <https://doi.org/10.1117/12.2320614> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Identifying the role of co-aggregation of Alzheimer's amyloid- β with amorphous protein aggregates of non-amyloid proteins

Wu, Jinming; Österlund, Nicklas; Wang, Hongzhi; Sternke-Hoffmann, R.; **Pupart, Hegne**; Ilag, Leopold L.; Gräslund, Astrid; Luo, Jinghui Cell Reports Physical Science 2022 / art. 101028 <https://doi.org/10.1016/j.xcrp.2022.101028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

IEEE European Test Symposium (ETS)

Eggersgluss, Stephan; Hamdioui, Said; **Jutman, Artur**; Michael, Maria K.; **Raik, Jaan** 2019 IEEE International Test Conference (ITC) 2019 / 4 p <https://doi.org/10.1109/ITC44170.2019.9000148> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of air pressure conditions on the performance of single room ventilation units in multi-story buildings

Mikola, Alo; **Simson, Raimo**; **Kurnitski, Jarek** Energies 2019 / art. 2633, 18 p. : ill <https://doi.org/10.3390/en12132633> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of bearing faults on vibration level of BLDC motor

Kudelina, Karolina; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 2021 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589268> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of built-in moisture on the design of hygrothermally safe cross-laminated timber external walls : a stochastic approach

Kukk, Villu; **Kers, Jaan**; **Kalamees, Targo**; Wang, Lin; **Ge, Hua** Building and environment 2022 / art. 109736 <https://doi.org/10.1016/j.buildenv.2022.109736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of CFO on low latency-enabled UAV using "Better than Nyquist" pulse shaping in GFDM

Sharma, Navuday; Kumar, Atul; Magarini, Maurizio; Bregni, Stefano 2019 IEEE 89th Vehicular Technology Conference (VTCSpring), Kuala Lumpur, Malaysia, 28 April–1 May 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/VTCSpring.2019.8746309> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of flow-driven debris on coastal structure during tsunami Bore

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the Fourth International Conference in Ocean Engineering (ICOE2018), vol. 2 2019 / p. 315-326 https://doi.org/10.1007/978-981-13-3134-3_24 [Conference proceedings metrics at Scopus](#) [Article at Scopus](#)

Impact of load matching algorithms on the battery capacity with different household occupancies

Häring, Tobias; **Ahmadiyahangar, Roya**; **Rosin, Argo**; Biechl, Helmut IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 2541-2547 <https://doi.org/10.1109/IECON.2019.8927495> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing

Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit**; **Sergejev, Fjodor** Tribology international 2022 / art. 107412 <https://doi.org/10.1016/j.triboint.2021.107412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of pulsed deuterium plasma irradiation on dual-phase tungsten alloys

Tökke, Siim; Laas, Tõnu; **Primets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Fusion engineering and design 2021 / art. 112215, 10 p. : ill <https://doi.org/10.1016/j.fusengdes.2020.112215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of the scanning strategy on the mechanical behavior of 316L steel synthesized by selective laser melting

Salman, O. O.; Brenne, F.; Niendor, T.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2019 / p. 255-261 : ill <https://doi.org/10.1016/j.jmapro.2019.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of the technical requirements of the renovation grant on the ventilation and indoor air quality in apartment buildings

Mikola, Alo; **Hamburg, Anti**; **Kuusk, Kalle**; **Kalamees, Targo**; **Voll, Hendrik**; **Kurnitski, Jarek** Building and environment 2022 / art. 108698 <https://doi.org/10.1016/j.buildenv.2021.108698> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of thermohaline conditions on vertical variability of optical properties in the Gulf of Finland (Baltic Sea) : implications for water quality remote sensing

Aavaste, Age; **Sipelgas, Liis**; **Uiboupin, Rivo**; Uudeberg, Kristi Frontiers in marine science 2021 / art. 674065 <https://doi.org/10.3389/fmars.2021.674065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of transformer turns ratio on the power losses and efficiency of the wide range isolated buck–boost converter for photovoltaic applications

Mashinchhi Maheri, Hamed; **Vinnikov, Dmitri**; **Chub, Andrii**; **Sidorov, Vadim**; **Liivik, Elizaveta** Energies 2020 / art. 5645, 21 p <https://doi.org/10.3390/en13215645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel

Pramano, Agus; Dhoska, Klodian; Markja, Irida; **Kommel, Lembit** Pollack periodica 2019 / p. 67–74
<https://doi.org/10.1556/606.2019.14.1.7> [Journal metrics at Scopus](#) [Article at Scopus](#)

Implementation and evaluation of the DAOM framework and tool support for designing blockchain decentralized applications

Udokwu, Chibuzor; Brandtner, Patrick; **Norta, Alexander**; **Kormiltsyn, Alexandr**; Matulevičius, Raimundas International journal of law and information technology 2021 / p. 2245–2263 : ill <https://doi.org/10.1007/s41870-021-00816-6> [Journal metrics at Scopus](#) [Article at Scopus](#)

Implementation of a knowledge-based manufacturing on the example of Sumar Tools OÜ

Kruuser, Kaarel; **Riives, Jüri**; **Tšukrejev, Pavel**; Kiolein, Indrek Proceedings of the Estonian Academy of Sciences 2019 / p. 407–412 : ill http://www.kirj.ee/32741/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implementation of Digital Twins for electrical energy conversion systems in selected case studies

Rassõlkin, Anton; Orosz, Tamas; **Demidova, Galina**; **Kuts, Vladimir**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants** Proceedings of the Estonian Academy of Sciences 2021 / p. 19–39 : ill <https://doi.org/10.3176/proc.2021.1.03> https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implementation of e-birth registration systems : potential and challenges the case study of Iran

Shahin, Mahtab; **Eskandri, Fatemeh**; **Ahmed, Rozha Kamal**; **Draheim, Dirk** ICT systems and sustainability : proceedings of ICT4SD 2021, Volume 1 2022 / p. 861–872 : ill https://doi.org/10.1007/978-981-16-5987-4_85 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Implementation of electronic records management systems : potential and challenges a case study of the Water and Power Development Authority (WAPDA) in Pakistan

Butt, Sidra Azmat; **Pappel, Ingrid**; **Oolu, Karin** ICT Analysis and Applications : 23–24 July 2020, Panaji, Goa, India : proceedings of ICT4SD 2020. Vol. 2 2021 / p. 629–639 https://doi.org/10.1007/978-981-15-8354-4_63 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Implementation of X-Parameters principle for non-linear vibroacoustic membrane using Two-Port measurement

Moezzi, Reza; Hlava, Jaroslav; **Vu, Trieu Minh** Traitement du signal 2019 / p. 297–301 <https://doi.org/10.18280/ts.360401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved amorphous silicon passivation layer for heterojunction solar cells with post-deposition plasma treatment

Neumüller, Alex; Sergeev, Oleg; Heise, Stephan J.; **Bereznev, Sergei**; **Volobujeva, Olga** Nano energy 2018 / p. 228–235 : ill <https://doi.org/10.1016/j.nanoen.2017.11.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved fractional open circuit voltage MPPT methods for PV systems

Baimel, Dmitry; Tapuchi, Saad; Levron, Yoash; **Belikov, Juri** Electronics 2019 / art. 321 <https://doi.org/10.3390/electronics8030321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved modulation method for full-bridge AC-DC HF-link converter

Blinov, Andrei; **Korkh, Oleksandr**; **Chub, Andrii**; **Vinnikov, Dmitri** 2020 IEEE International Conference on Industrial Technology, Buenos Aires Institute of Technology (ITBA) Buenos Aires, Argentina, 26–28 February, 2020 : proceedings 2020 / p. 1173–1177 : ill <https://doi.org/10.1109/ICIT45562.2020.9067128> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

An improved ZVS high step-up converter based on coupled inductor and built-in transformer

Nouri, Tohid; **Vosoughi Kurdkandi, Naser**; **Husev, Oleksandr** IEEE transactions on power electronics 2021 / p. 13802–13816 : ill <https://doi.org/10.1109/TPEL.2021.3088092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvements of series convergence to the rotating-channel flow problem using hydraulic solutions for a parabolic passage

Lundberg, Peter; **Laanearu, Janek** Journal of hydraulic research 2018 / p. 313–323 : ill <https://doi.org/10.1080/00221686.2017.1354929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvements on the carrier-based control method for a three-level T-type, quasi-impedance-source inverter

Barrero-Gonzalez, Fermin; Roncero-Clemente, Carlos; Milanes-Montero, Maria Isabel; **Husev, Oleksandr** Electronics 2019 / art. 677, 12 p. : ill <https://doi.org/10.3390/electronics8060677> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving Arabic text to image mapping using a robust machine learning technique

Zakraoui, Jezia; Elloumi, Samir; Alja'am, Jihad Mohamad; **Ben Yahia, Sadok** IEEE Access 2019 / p. 18772 – 18782 : ill <https://doi.org/10.1109/ACCESS.2019.2896713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving court efficiency through ICT integration : identifying essential areas of improvement

Ahmed, Rozha Kamal; Muhammed, Khder H.; Reitsakas, Aleksander; **Pappel, Ingrid; Draheim, Dirk** ICT Analysis and

Applications : proceedings of ICT4SD 2019. Vol. 2 2020 / p. 449-461 : ill https://doi.org/10.1007/978-981-15-0630-7_44 [Article collection at Scopus](#) [Article at Scopus](#)

Improving design quality by contractor involvement : an empirical study on effects

Lappalainen, Eelon; Uusitalo, Petteri; **Pikas, Ergo;** Seppänen, Olli; Peltokorpi, Antti; Uusitalo, Petri; Reinbold, Ana; Menzhinskii,

Nikolai Buildings 2022 / art. 1188 <https://doi.org/10.3390/buildings12081188> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving healthcare processes with smart contracts

Kormiltsõn, Aleksandr; Udokwu, Chibuzor; Karu, Kalev; **Thangalimodzi, Kondwani; Norta, Alexander** Business Information Systems : 22nd International Conference, BIS 2019, Seville, Spain, June 26–28, 2019 : proceedings. Part I 2019 / p. 500-513

https://doi.org/10.1007/978-3-030-20485-3_39 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Improving learning efficiency and evaluation fairness for cyber security courses : a case study

Caliskan, Emin; Vaarandi, Risto; Lorenz, Birgy Intelligent Computing : Proceedings of the 2019 Computing Conference. Volume 2 2019 / p. 622-638 https://doi.org/10.1007/978-3-030-22868-2_45 [Conference proceedings at Scopus](#) [Article at Scopus](#)

In situ coastal observations of wave homogeneity and coherence

Christakos, Konstantinos; Gao, Zhen; Furevik, Birgitte R.; **Björkqvist, Jan-Victor;** Aarnes, Ole Johan Applied ocean research 2022 / art. 103390 <https://doi.org/10.1016/j.apor.2022.103390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ fabrication of TiC-NiCr cermets by selective laser melting

Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss;** Berto, Filippo International journal of refractory metals and hard materials 2020 / art. 105171, 8 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105171> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta

Ummethala, Raghunandan; Jayaraj, Jayamani; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Surreddi, Kumar Babu; **Prashanth, Konda Gokuldoss** Journal of Materials Engineering and Performance 2021 / p. 7967-7978

<https://doi.org/10.1007/s11665-021-05940-9> [Journal metric at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-depth feature selection for the statistical machine learning-based botnet detection in IoT networks

Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretin IEEE Access 2022 / p. 94518-94535

<https://doi.org/10.1109/ACCESS.2022.3204001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor climate loads for dwellings in different cold climates to assess hygrothermal performance of building envelopes

Ilomets, Simo; Kalamees, Targo; Tariku, Fitsum Canadian journal of civil engineering 2019 / p. 963–968 <https://doi.org/10.1139/cjce-2019-0079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indoor hygrothermal loads for the deterministic and stochastic design of the building envelope for dwellings in cold climates

Ilomets, Simo; Kalamees, Targo; Vinha, Juha Journal of building physics 2018 / p. 547-577 : ill

<https://doi.org/10.1177/1744259117718442> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Induction brazing of cermets to steel and eddy current testing of joint quality

Laansoo, Andres; Kübarsepp, Jakob; Surženkov, Andrei; Land, Raul; Märtens, Olev; Viljus, Mart Welding in the World 2020 / p. 563–571 <https://doi.org/10.1007/s40194-020-00854-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[WOS](#)

Induction machine fault detection using smartphone recorded audible noise

Vaimann, Toomas; Sobra, Jan; **Belahcen, Anouar; Rassõlkin, Anton;** Rolak, Michal; **Kallaste, Ants** IET science, measurement and technology 2018 / p. 554-560 : ill <https://doi.org/10.1049/iet-smt.2017.0104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[WOS](#)

Inductor Current Ripple Analysis and Reduction for Quasi-Z-Source Inverters with An Improved ZSVM6 Strategy

Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; **Vinnikov, Dmitri;** Blaabjerg, Frede IEEE transactions on power electronics 2021 / p. 7693-7704 <https://doi.org/10.1109/TPEL.2020.3043102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[WOS](#)

Industrial collaborative robot digital twin integration and control using robot operating system

Diachenko, Danyl; Partyshev, Andriy; Pizzagalli, Simone Luca; Bondarenko, Yevhen; Otto, Tauno; Kuts, Vladimir Journal of Machine Engineering 2022 / p. 57 - 67 <https://doi.org/10.36897/jme/148110> [Journal metrics at Scopus](#) [Article at Scopus](#)

The influence of bathymetry on regional marine geoid modeling in Northern Europe

Varbla, Sander Journal of Marine Science and Engineering 2022 / art. 793, 25 p. : ill <https://doi.org/10.3390/jmse10060793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of interior layer properties to moisture dry-out of CLT walls

Kukk, Villu; Külaots, Annegrete; Kers, Jaan; Kalamees, Targo Canadian journal of civil engineering 2019 / p. 1001–1009 <https://doi.org/10.1139/cjce-2018-0591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor

Sathyan, Sabin; Aydin, Ugur; Lehtikoinen, Antti; Belahcen, Anouar; Vaimann, Toomas; Kataja, Juhani International journal of applied electromagnetics and mechanics 2019 / p. 825-834 <https://doi.org/10.3233/JAE-171045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of Ni concentration on electrochemical and crystallographic properties of La_{0.25}Sr_{0.25}Ca_{0.4}Ti_{1-x}Ni_xO_{3-δ} solid oxide fuel cell anode

Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre, Tanel; Volobujeva, Olga; Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 <https://doi.org/10.1016/j.jpowsour.2021.229739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of nozzle geometry on fluid flow parameters

Penkov, Igor; Aleksandrov, Dmitri International journal of applied mechanics and engineering 2020 / p. 215-222 : ill <https://doi.org/10.2478/ijame-2020-0060> [Journal metrics at Scopus](#) [Article at Scopus](#)

Influence of number of layers on embedment strength of dowel-type connections for glulam and cross-laminated timber

Tuhkanen, Eero; Mölder, Joosep; Schickhofer, Gerhard Engineering structures 2018 / p. 361-368 : ill <https://doi.org/10.1016/j.engstruct.2018.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics

Maity, Tapabrata; Prashanth, Konda Gokuldoss; Balci, Özge International journal of plasticity 2018 / p. 121-136 : ill <https://doi.org/10.1016/j.jiplas.2018.05.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting

Karimi, Javad; Xie, Meishen; Wang, Zhi; Prashanth, Konda Gokuldoss Journal of manufacturing processes 2021 / p. 1387-1394 <https://doi.org/10.1016/j.jmapro.2021.06.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Innovative common study block framework for joined collaborative curriculums development

Ševtšenko, Eduard; Nõuakas, Kati; Murumaa, Lea; Kallas, Oliver; Karaulova, Tatjana Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 30-41 https://doi.org/10.1007/978-3-030-68198-2_3 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Innovative methods of engineering education popularization at schools

Ševtšenko, Eduard; Karaulova, Tatjana; Igavens, Maris; Strods, Gunars; Mahmood, Kashif Proceedings of the Estonian Academy of Sciences 2019 / p. 356-363 : ill http://www.kirj.ee/32591/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An insight on mud behavior upon stepping

Godon, Simon; Ristolainen, Asko; Kruusmaa, Maarja IEEE robotics and automation letters 2022 / p. 11039-11046 <https://doi.org/10.1109/LRA.2022.3194667> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-situ alloying of TiC-FeCr cermets in manganese vapour

Kolnes, Märt; Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Viljus, Mart Proceedings of the Estonian Academy of Sciences 2021 / p. 533-539 : ill <https://doi.org/10.3176/proc.2021.4.22> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures

Friedenthal, Margus; Eha, Kairit; Kaleda, Aleksei; Part, Natalja; Laos, Katrin SN Applied Sciences 2020 / art. 243, 6 p. : ill <https://doi.org/10.1007/s42452-020-2032-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An integrated approach to coastal and biological observations

She, Jun; Piniella, Ángel Muñoz; Benedetti-Cecchi, Lisandro; Boehme, Lars; Boero, Ferdinando; Christensen, Asbjorn; Crowe, Tasman; Darecki, Mirosław; Nogueira, Enrique; Gremare, Antoine; Hernandez, Francisco; Kõuts, Tarmo Frontiers in Marine Science 2019 / Art. nr. 314 <https://doi.org/10.3389/fmars.2019.00314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integrated architectural and environmental performance - driven form-finding. A teaching case study in Montreal

Szentesi-Nejur, Szende; **De Luca, Francesco**; Nejur, Andrei Proceedings of the 39th eCAADe Conference - Towards a new, configurable architecture : University of Novi Sad, Novi Sad, Serbia, 8-10 September 2021. Vol. 2 2021 / p. 105–114 : ill <https://doi.org/10.52842/conf.ecaade.2021.2.105> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Integrated measures for managing permanent housing reconstruction

Bilau, Abdulquadri Ade; Witt, Emlyn David Qivitoq; Malalgoda, Chamindi; **Lill, Irene**; Amaratunga, Dilanthi Procedia engineering 2018 / p. 403-410 <https://doi.org/10.1016/j.proeng.2018.01.052> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integration of autonomous vehicles and Industry 4.0

Sell, Raivo; Rassõlkin, Anton; Wang, Ruxin; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2019 / p. 389–394 : ill <https://doi.org/10.3176/proc.2019.4.07> http://www.kirj.ee/32705/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integration of blockchain technology into a land registration system for immutable traceability : a casestudy of Georgia

Lazuashvili, Nino; Norta, Alexander; Draheim, Dirk Business Process Management : Blockchain and Central and Eastern Europe Forum :BPM 2019 Blockchain and CEE Forum : Vienna, Austria, September 1–6, 2019 : proceedings 2019 / p. 219-233 https://doi.org/10.1007/978-3-030-30429-4_15 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integration of ‘Central’ and ‘Peripheral’ Nervous Systems in Scrub Nurse Robot and Comparison Between ‘Voluntary’ and ‘Reflex’ Movements

Miyawaki, Fujio; Suzuki, Miho; Anier, Aivo; **Vain, Jüri** IFAC-PapersOnLine 2019 / p. 229-234 : ill <https://doi.org/10.1016/j.ifacol.2019.12.103> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integration of long transmission lines in large-scale DQ0 dynamic models

Belikov, Juri; Levron, Yoash Electrical Engineering 2018 / p. 1219–1228 <https://doi.org/10.1007/s00202-017-0582-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integration of PV system with SMES based on model predictive control for utility grid reliability improvement

Bakeer, Abualkasim Ahmed Ali; Salama, Hossam S.; Vokony, Istvan Protection and Control of Modern Power Systems 2021 / art. 14 <https://doi.org/10.1186/s41601-021-00191-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intelligent functions development on autonomous electric vehicle platform

Wang, Ruxin; Sell, Raivo; Rassõlkin, Anton; Otto, Tauno; Malayjerdi, Ehsan Journal of machine engineering 2020 / p. 114-125 <https://doi.org/10.36897/jme/117787> [Journal metrics at Scopus](#) [Article at Scopus](#)

Intelligent system and equipment for greenhouses monitoring

Penkov, Igor Journal of hygienic engineering and design 2018 / p. 41-46 : ill <http://www.jhed.mk/filemanager/JHED%20Vol.%2022/03.%20FPP/01.%20Full%20paper%20-%20Igor%20Penkov.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Interactive teaching methods as human factors management tool in dangerous goods transport on roads

Janno, Jelizaveta; Koppel, Ott Teaching and Learning in a Digital World : proceedings of the 20th International Conference on Interactive Collaborative Learning. Volume 1 2018 / p. 619-628 https://link.springer.com/chapter/10.1007/978-3-319-73210-7_72 https://doi.org/10.1007/978-3-319-73210-7_72 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Interface converters for residential battery energy storage systems : practices, difficulties and prospects

Galkin, Ilja; **Blinov, Andrei**; Vorobyov, Maxim; Bubovich, Alexander; Saltanovs, Rodions; Pefitsis, Dimosthenis Energies 2021 / art. 3365 <https://doi.org/10.3390/en14123365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interface development for digital twin of an electric motor based on empirical performance model

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Vaimann, Toomas; Kallaste, Ants; Asad, Bilal; Partyshev, Andriy IEEE Access 2022 / p. 15635-15643 <https://doi.org/10.1109/ACCESS.2022.3148708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements

Xi, Lixia; Ding, Kai; Gu, Dongdong; Guo, Shuang; Cao, Mengzhen; Zhuang, Jie; Lin, Kaijie; Okulov, Ilya; Sarac, Baran; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2021 / art. 159436, 9 p.: ill <https://doi.org/10.1016/j.jallcom.2021.159436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interference and priority aware coexistence (IPC) algorithm for link scheduling in IEEE 802.15.6 based WBANs

Khan, Fawad Nawaz; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Driberg, Micheal IEEE Access 2019 / art. 8910561, p. 168736–168751 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables associated with microstructures in solids

Berezovski, Arkadi Mechanics research communications 2018 / p. 30-34 <https://doi.org/10.1016/j.mechrescom.2017.07.011> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables representation of generalized heat equations

Berezovski, Arkadi Continuum mechanics and thermodynamics 2019 / p. 1733–1741 <https://doi.org/10.1007/s00161-018-0729-4>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables used for describing the signal propagation in axons

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Continuum mechanics and thermodynamics 2020 / p. 1619–1627
<https://doi.org/10.1007/s00161-020-00868-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intrinsic conditions for extended observer forms for nonlinear systems

Simha, Ashutosh; Respondek, Witold; Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle 2018 IEEE Conference on Decision and Control (CDC), 17–19 Dec. 2018, 17–19 Dec. 2018 : proceedings 2018 / p. 1373–1378 <https://doi.org/10.1109/CDC.2018.8619122>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Introducing interlayer electrolytes : toward room-temperature high-potential solid-state rechargeable fluoride ion batteries

Mohammad, Irshad; Witter, Raiker; Fichtner, Maximilian; Reddy, M. Anji ACS Applied Energy Materials 2019 / p. 1553–1562 : ill
<https://doi.org/10.1021/acsaem.8b02166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inventory routing analysis for maritime LNG supply of German ports

Prause, Felix; Prause, Gunnar Klaus Transport and telecommunication journal 2021 / p. 67–86 <https://doi.org/10.2478/tjt-2021-0006>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inventory routing for ammonia supply in German ports

Prause, Felix; Prause, Gunnar; Philipp, Robert Energies 2022 / art. 6485, 22 p. : ill. <https://doi.org/10.3390/en15176485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An inverse problem for a generalized fractional derivative with an application in reconstruction of time- and space-dependent sources in fractional diffusion and wave equations

Kinash, Nataliia; Janno, Jaan Mathematics 2019 / art. 1138, p. 1–16 <https://doi.org/10.3390/math7121138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problem to identify a space-dependent diffusivity coefficient in a generalized subdiffusion equation from final data

Janno, Jaan; Kasemets, Kairi; Kinash, Nataliia Proceedings of the Estonian Academy of Sciences 2022 / p. 3–15
<https://doi.org/10.3176/proc.2022.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems for a perturbed time fractional diffusion equation with final overdetermination

Kinash, Nataliia; Janno, Jaan Mathematical methods in the applied sciences 2018 / p. 1925–1943 : ill
<https://doi.org/10.1002/mma.4719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems with unknown boundary conditions and final overdetermination for time fractional diffusion-wave equations in cylindrical domains

Janno, Jaan Mathematics 2021 / art. 2541, 22 p <https://doi.org/10.3390/math9202541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse-model intelligent control of fin-actuated underwater robots based on drag force propulsion

Remmas, Mohamed Walid; Chemori, Ahmed; Kruusmaa, Maarja Ocean Engineering 2021 / art. 109883, 19 p. : ill
<https://doi.org/10.1016/j.oceaneng.2021.109883> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigating different sources of flexibility in power system

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 27–37
https://doi.org/10.1007/978-981-15-4627-3_3 [Journal metrics at Scopus](#) [Article at Scopus](#)

Investigating the structure, microstructure, and texture in selective laser melted sterling silver 925

Vikram, R. J.; Kollo, Lauri; Prashanth, Konda Gokuldoss; Suwas, Satyam Metallurgical and Materials Transactions A 2021 / p. 5329–5341 : ill <https://doi.org/10.1007/s11661-021-06471-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation and field measurements for demand side management control technique of smart air conditioners located at residential, commercial, and industrial sites

Masood, Bilal; Guobing, Song; Nebhen, Jamel; Rehman, Ateeq Ur; Iqbal, Muhammad Naveed; Rasheed, Iftikhar; Bajaj, Mohit; Shafiq, Muhammad; Hamam, Habib Energies 2022 / art. 2482, 23 p. : ill <https://doi.org/10.3390/en15072482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216–220 <https://doi.org/10.4028/www.scientific.net/KEM.800.216> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Investigation of hull design to quantify resistance criteria using holtrop's regression-based method and savitsky's mathematical model: A study case of fishing vessels

Julianto, Rizki Ispramudita; Prabowo, Aditya Rio; Muhayat, Nurul; **Putranto, Teguh**; Adiputra, Ristiyanto Journal of engineering science and technology 2021 / p. 1426-1443 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires

Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrunov, Vladimir; Petrova, Violeta; Ilievska, Ivana; **Mikli, Valdek**; Iankov, Roumen Acta of bioengineering and biomechanics 2020 / p. 31–39 <https://doi.org/10.37190/ABB-01486-2019-03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier

Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomberg, Thomas; Aruväli, Jaan; Valk, Peeter; Teppor, Patrick; Koppel, Mirjam; **Mikli, Valdek**; **Volobujeva, Olga**; **Lust, Enn** ECS Meeting Abstracts 2022 / p. 49-58 : ill <https://doi.org/10.1149/10807.0049ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

Investigation of steam turbine blades damage and reliability in a power plant

Molodtsov, Artjom; **Dedov, Andrei**; **Klevtsov, Ivan**; **Kommel, Lembit**; **Lausmaa, Toomas**; **Mikli, Valdek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 89-94 : ill <https://www.scientific.net/KEM.799.89> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.89> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Investigation of the causes behind the vibrations of a high-speed solid-rotor induction motor

Sathyan, Sabin; **Belahcen, Anouar**; Lehtikoinen, Antti; Aydin, Ugur; Boxberg, Fredrik Journal of sound and vibration 2019 / art. 114976, 14 p <https://doi.org/10.1016/j.jsv.2019.114976> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of the high temperature dry sliding wear behavior of graphene nanoplatelets reinforced aluminum matrix composites

Seçkin, Martin; Kandemir, Sinan; **Antonov, Maksim** Journal of composite materials 2021 / 13 p. : ill <https://doi.org/10.1177/0021998320979037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investment analysis of waste heat recovery system installations on ships' engines

Olaniyi, Eunice Omolola; **Prause, Gunnar Klaus** Journal of marine science and engineering 2020 / art. 811, 21 p. : ill <https://doi.org/10.3390/jmse8100811> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investments in the shale oil industry under risk and uncertainty

Pulkkinen, Svetlana; **Valtin, Juhan** Przegląd elektrotechniczny = Electrical review 2018 / p. 1-5 : ill <https://doi.org/10.15199/48.2018.12.01> <http://pe.org.pl/articles/2018/12/1.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

In-vitro investigation of flow profiles in arteries using the photoplethysmograph

Pilt, Kristjan; May, James M.; Kyriacou, Panayiotis A. Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2021 / p. 7211-7214 <https://doi.org/10.1109/EMBC46164.2021.9629713> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Iterative Learning based feedforward control for Transition of a Biplane-Quadrotor Tailsitter UAS

Raj, Nidhish; **Simha, Ashutosh**; Kothari, Mangal; Abhishek; Banavar, Ravi N. 2020 IEEE International Conference on Robotics and Automation (ICRA), 31 May-31 Aug. 2020, Paris, France : proceedings 2020 / p. 321-327 : ill <https://doi.org/10.1109/ICRA40945.2020.9196671> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Joint optimization via deep reinforcement learning in wireless networked controlled systems

Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2022 / p. 67152-67167 <https://doi.org/10.1109/ACCESS.2022.3185244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Joint planning of EV fast charging stations and power distribution systems with balanced traffic flow assignment

Yang, Wentao; Liu, Weijia; Chung, Chi Yung; **Wen, Fushuan** IEEE transactions on industrial informatics 2021 / p. 1795–1809 : ill <https://doi.org/10.1109/TII.2020.2995742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

K2CO3-containing composite sorbents based on a ZrO2 aerogel for reversible CO2 capture from ambient air

Veselovskaya, Janna; **Derevshchikov, Vladimir**; Shalygin, Anton S.; Yatsenko, Dmitry Microporous and Mesoporous Materials 2021 / art. 110624 <https://doi.org/10.1016/j.micromeso.2020.110624> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Kalman-filter based maximum power point tracking for a single-stage grid-connected photovoltaic system

Farrokhi, Ehsan; Ghoreishy, Hoda; **Ahmadihangar, Roya; Rosin, Argo** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / Code 173927 <https://doi.org/10.1109/IECON48115.2021.9589653> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Knowledge risks inherent in business sustainability

Durst, Susanne; Zieba, Malgorzata Journal of cleaner production 2020 / art. 119670, 10 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119670> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

LainePoiss® - a lightweight and ice-resistant wave buoy

Alari, Victor; Björkqvist, Jan-Victor; Kaldvee, Valdur; Mölder, Kristjan; **Rikka, Sander; Kask-Korb, Anne; Vahter, Kaimo; Pärt, Siim; Vidjajev, Nikon;** Tõnisson, Hannes Journal of atmospheric and oceanic technology 2022 / p. 573–594 : ill <https://doi.org/10.1175/JTECH-D-21-0091.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Land and underwater gait analysis using wearable IMU

Monoli, Cecilia; Fuentez-Perez, Juan Francisco; Cau, Nicola; Capodaglio, Paolo; Galli, Manuela; **Tuhtan, Jeffrey Andrew** IEEE sensors journal 2021 / p. 11192-11202 <https://doi.org/10.1109/JSEN.2021.3061623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Language of driving for autonomous vehicles

Kalda, Krister; Pizzagalli, Simone Luca; Soe, Ralf-Martin; Sell, Raivo; Bellone, Mauro Applied sciences 2022 / art. 5406 <https://doi.org/10.3390/app12115406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility

Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss;** Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512 <https://doi.org/10.1016/j.msea.2021.142512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser additively manufactured magnetic core design and process for electrical machine applications

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Lind, Liina; Virro, Indrek; **Rassõlkin, Anton; Dedova, Tatjana** Energies 2022 / art. 3665 <https://doi.org/10.3390/en15103665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser powder-bed fusion of Mo(Si,Al)₂ – based composite for elevated temperature applications

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; **Hussainova, Irina** Journal of alloys and compounds 2021 / art. 161034 <https://doi.org/10.1016/j.jallcom.2021.161034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Latest research trends in gait analysis using wearable sensors and machine learning: A systematic review

Saboor, Abdul; Kask, Triin; Kuusik, Alar; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE Access 2020 / art. 3022818, p. 167830–167864 <https://doi.org/10.1109/ACCESS.2020.3022818> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Learning timed automata from interaction traces

Vain, Jüri; Kanter, Gert; Anier, Aivo IFAC-PapersOnLine 2019 / p. 205-210 <https://doi.org/10.1016/j.ifacol.2019.12.097> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Learning to program with Lego Mindstorms - difference between K-12 students and adults

Umbleja, Kadri Teaching and Learning in a Digital World : proceedings of the 20th International Conference on Interactive Collaborative Learning. Volume 2 2018 / p. 447-458 https://link.springer.com/chapter/10.1007/978-3-319-73204-6_49 https://doi.org/10.1007/978-3-319-73204-6_49 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Lidar-camera semi-supervised learning for semantic segmentation

Caltagirone, Luka; **Bellone, Mauro;** Svensson, Lennart; Wahde, Mattias; **Sell, Raivo** Sensors 2021 / art. 4813 <https://doi.org/10.3390/s21144813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Life cycle analysis of electrical motor-drive system based on electrical machine type

Rassõlkin, Anton; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas; Heidari, Hamidreza; Asad, Bilal Proceedings of the Estonian Academy of Sciences 2020 / p. 162–177 : ill <https://doi.org/10.3176/proc.2020.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lifetime-oriented control strategies for hybrid energy storage systems in an islanded microgrid

Cinay, Nazli; Häring, Tobias; Rosin, Argo; Korõtko, Tarmo; Ahmadihangar, Roya; Biechl, Helmut 2021 22nd IEEE International Conference on Industrial Technology (ICIT) : proceedings 2021 / p. 1-6 <https://doi.org/10.1109/ICIT46573.2021.9453617> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

LightGBM-based fault diagnosis of rotating machinery under changing working conditions using modified recursive feature elimination

Saberi, Alireza Nemat; **Belahcen, Anouar**; Sobra, Jan; **Vaimann, Toomas** IEEE Access 2022 / p. 81910-81925

<https://doi.org/10.1109/ACCESS.2022.3195939> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lightweight monitoring scheme for flooding DoS Attack detection in multi-tenant MPSoCs

Chaves Arroyave, Cesar Giovanni; Sepulveda, Johanna; **Hollstein, Thomas** 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISCAS51556.2021.9401153>

[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A linear filtering framework for nonlinear systems based on extended output injection

Simha, Ashutosh; **Kotta, Ülle** IFAC-PapersOnLine 2019 / p. 274-279 <https://doi.org/10.1016/j.ifacol.2019.11.791> [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed

Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; **Wen, Fushuan**; **Palu, Ivo**; Feng, Changsen IEEE Access 2020 / p. 106452-106463

<https://doi.org/10.1109/ACCESS.2020.2999519> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linear patterning of high entropy alloy by additive manufacturing

Karimi, Javad; Ma, P.; Ji, Y.D.; **Prashanth, Konda Gokuldoss** Manufacturing letters 2020 / p. 9-13 : ill

<https://doi.org/10.1016/j.mfglet.2020.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linearization of discrete-time control system by state transformation

Mullari, Tanel; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2021 / p. 62–79 <https://doi.org/10.3176/proc.2021.1.09>

https://kirj.ee/wp-content/plugins/kirj/pub/proc-1-2021-62-79_20210630094644.pdf?v=a57b8491d1d8 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long wave run-up on plane and “non-reflecting” slopes

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Fluid Dynamics 2018 / p. 402 - 408 <https://doi.org/10.1134/S0015462818030072>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Long-term stability of EEG spectral asymmetry index - preliminary study

Uudeberg, Tuuli; **Päeske, Laura**; Põld, Toomas; **Lass, Jaanus**; **Hinrikus, Hiie**; **Bachmann, Maie** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 276-281

https://doi.org/10.1007/978-3-030-31635-8_33 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Low-temperature waste heat enabling abandoning coal in Espoo district heating system

Hiltunen, Pauli; **Syri, Sanna** Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Machine learning approach for flexibility characterisation of residential space heating

Häring, Tobias; **Ahmadihangar, Roya**; **Rosin, Argo**; **Biechl, Helmuth** IECON 2021 - 47th Annual Conference of the IEEE Industrial Electronics Society, Toronto, Canada, Oct. 13-16, 2021 2021 / 6 p. : ill <https://doi.org/10.1109/IECON48115.2021.9589216>

[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A machine learning approach to achieving energy efficiency in relay-assisted LTE-a downlink system

Hassan, Hammad; Ahmed, Ifran; Ahmad, Rizwan; Khammari, Hedi; Bhatti, Ghulam; Ahmed, Waqas; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3461, 25 p. : ill <https://doi.org/10.3390/s19163461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Machine learning assisted methodology for multiclass classification of malignant brain tumors

Vidyarthi, Ankit; Agarwal, Ruchi; Gupta, Deepak; **Sharma, Rahul**; **Draheim, Dirk**; Tiwari, Prayag IEEE Access 2022 / p. 50624-

50640 <https://doi.org/10.1109/ACCESS.2022.3172303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Machine learning based analysis of the upper limb freezing during handwriting in Parkinson's disease patients

Gorbatšov, Vassili; **Valla, Elli**; **Nömm, Sven**; Medijainen, Kadri; Taba, Pille; Toomela, Aaro IFAC-PapersOnLine 2022 / p. 91-95

<https://doi.org/10.1016/j.ifacol.2022.10.237> [Conference Proceeding metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Machine learning meets communication networks : current trends and future challenges

Ahmad, Ijaz; Shahabuddin, Shariar; Malik, Hassan; Leppänen, Teemu; Loven, Lauri; Anttonen, Antti; Sodhro, Ali Hassan; **Alam, Muhammad Mahtab**; Juntti, Markku; Ylä-Jääski, Antti IEEE Access 2020 / art. 9274307, p. 223418-223460

<https://doi.org/10.1109/ACCESS.2020.3041765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Machine learning-based prediction of specific energy consumption for cut-off grinding

Awan, Muhammad Rizwan; Rojas, Hernan A. Gonzalez; **Hameed, Saqib**; Riaz, Fahid; Hamid, Shahzaib; **Hussain, Abrar** Sensors 2022 / art. 7152 <https://doi.org/10.3390/s22197152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Making use of point cloud for generating subtractive solar envelopes

Alkadri, Miktha Farid; **De Luca, Francesco**; Turrin, Michel; Sariyildiz, Sevil eCAADe SIGraDi 2019 - Architecture in the Age of the 4th Industrial Revolution. Vol. 1 2019 / p. 633-640 : ill http://papers.cumincad.org/data/works/att/ecaadesigradi2019_061.pdf https://doi.org/10.5151/proceedings-ecaadesigradi2019_061 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Malicious accounts detection from online social networks : a systematic review of literature

Ben Sassi, Imen; **Ben Yahia, Sadok** International Journal of General Systems 2021 / p. 741-814 <https://doi.org/10.1080/03081079.2021.1976773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Man-made flows from a fish's perspective : autonomous classification of turbulent fishway flows with field data collected using an artificial lateral line

Tuhtan, Jeffrey Andrew; **Fuentes-Pérez, Juan Francisco**; **Toming, Gert**; Schneider, Matthias; Schwarzenberger, Richard; Schletterer, Martin; **Kruusmaa, Maarja** Bioinspiration & biomimetics 2018 / art. 046006, 17 p. : ill <https://doi.org/10.1088/1748-3190/aabc79> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping the types of modularity in open-source hardware

Gavras, Kosmas; **Kostakis, Vasileios** Design Science 2021 / e13 <https://doi.org/10.1017/dsj.2021.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maritime cyber-insurance: the Norwegian case

Franke, Ulrik; **Friberg, Even Langfeldt**; **Bahşi, Hayretidin** International Journal of Critical Infrastructures 2022 / p. 267-286 <https://doi.org/10.1504/ijcis.2022.125816> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maritime energy contracting for clean shipping

Olaniyi, Eunice Omolola; Atari, Sina; **Prause, Gunnar Klaus** Transport and telecommunication 2018 / p. 31-44 : ill <https://doi.org/10.2478/tjtj-2018-0004> [Journal metrics at Scopus](#) [Article at Scopus](#)

Maritime investment appraisal: The case of waste heat recovery systems installation

Olaniyi, Eunice Omolola; **Prause, Gunnar Klaus** Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 603-612 https://doi.org/10.1007/978-3-030-68476-1_56 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Market based renovation solutions in non-residential buildings - Why commercial buildings are not renovated to NZEB

Kuivjõgi, Helena; **Uutar, Aivar**; **Kuusk, Kalle**; **Thalfeldt, Martin**; **Kurnitski, Jarek** Energy and buildings 2021 / art. 111169, 13 p. : ill <https://doi.org/10.1016/j.enbuild.2021.111169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MARSTRUCT benchmark study on nonlinear FE simulation of an experiment of an indenter impact with a ship side-shell structure

Ringsberg, Jonas W.; Amdahl, Jörgen; Chen, Bai Qiao; Cho, Sang-Rai; **Körgesaar, Mihkel**; **Tabri, Kristjan** Marine structures 2018 / p. 142-157 <https://doi.org/10.1016/j.marstruc.2018.01.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mathematical model for assessment of voltage disturbing sources in networks with distributed power generation

Sayenko, Yuri; Kalyuzhniy, Dmitry; **Bolgov, Viktor**; **Kütt, Lauri** Przegląd elektrotechniczny = Electrical review 2019 / p. 49-53 : ill <https://doi.org/10.15199/48.2019.03.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maturity Model for Automatization of Service Provision and Decision-Making Processes in Municipalities

Pappel, Ingmar; **Gelashvili, Teona**; **Pappel, Ingrid** Proceedings of Sixth International Congress on Information and Communication Technology 2022 / p. 399-409 : ill https://doi.org/10.1007/978-981-16-1781-2_37 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Maximizing the degree of rejuvenation in metallic glasses

Yuan, Xudong; Sopu, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 <https://doi.org/10.1016/j.scriptamat.2022.114575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Measuring complexity of legislation. A systems engineering approach

Kütt, Andres; **Kask, Laura** Proceedings of Fifth International Congress on Information and Communication Technology : ICICT 2020, Vol. 1 2021 / p. 75-94 https://doi.org/10.1007/978-981-15-5856-6_7 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Measuring explainability and trustworthiness of power quality disturbances classifiers using XAI - explainable artificial intelligence

Machlev, Ram; Perl, Michael; **Belikov, Juri**; Levy, Kfir; Levron, Yoash IEEE transactions on industrial informatics 2022 / p. 5127–5137 <https://doi.org/10.1109/TII.2021.3126111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical and tribological properties of 100-nm thick alumina films prepared by atomic layer deposition on Si(100) substrates

Alamgir, Asad; Bogatov, Andrei; Yashin, Maxim; Podgurski, Vitali Proceedings of the Estonian Academy of Sciences 2019 / p. 126–130 : ill <https://doi.org/10.3176/proc.2019.2.01> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-126-130.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical activation of magnesium silicates for mineral carbonation, a review

Li, Jiajie; **Hitch, Michael William** Minerals engineering 2018 / p. 69–83 : ill <https://doi.org/10.1016/j.mineng.2018.08.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical and physical properties of industrial hemp-based insulation materials

Kallakas, Heikko; Närep, Merili; Närep, Aivo; **Poltimäe, Triinu**; **Kers, Jaan** Proceedings of the Estonian Academy of Sciences 2018 / p. 183–192 : ill <https://doi.org/10.3176/proc.2018.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO₃ for implant applications

Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri; Holovenko, Yaroslav; Prashanth, Konda Gokuldoss Applied sciences 2019 / art. 3844, 11 p. : ill <https://doi.org/10.3390/app9183844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios

Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei**; **Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p <https://doi.org/10.1016/j.cemconcomp.2021.103956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical waves in myelinated axons

Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri Biomechanics and modeling in mechanobiology 2022 / p. 1285–1297 <https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Janda, Alexander Journal of materials research 2019 / p. 2672–2682 : ill <https://doi.org/10.1557/jmr.2019.149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The mechanism of joint reduction of MoO₃ and CuO by combined Mg/C reducer at high heating rates

Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill <https://doi.org/10.3390/jcs5120318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L

Kumar, Deepak; Jhavar, Suyog; Arya, Abhinav; **Prashanth, Konda Gokuldoss**; Suwas, Satyam International journal of fracture 2022 / p. 61–78 <https://doi.org/10.1007/s10704-021-00574-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanochemical synthesis of solid-state electrolyte Sm_{1-x}CaxF_{3-x} for batteries and other electrochemical devices

Molaiyan, Palanivel; Witter, Raiker Materials letters 2019 / p. 22–26 <https://doi.org/10.1016/j.matlet.2019.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Memristive device based circuits for computation-in-memory architectures

Lebdeh, Muath Abu; **Reinsalu, Uljana**; Nguyen, Hoang Anh Du; Wong, Stephan; Hamdioui, Said 2019 IEEE International Symposium on Circuits and Systems (ISCAS) : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/ISCAS.2019.8702542> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Metabolism control in 3D-printed living materials improves fermentation

Butelmann, Tobias; Priks, Hans; Parent, Zoel; Johnston, Trevor G.; Tamm, Tarmo; Nelson, Alshakim; **Lahtvee, Petri-Jaan; Kumar, Rahul**, 1978- ACS Applied Bio Materials 2021 / p. 7195–7203 <https://doi.org/10.1021/acsabm.1c00754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal-coated cenospheres obtained via magnetron sputter coating : a new precursor for syntactic foams

Shishkin, A.; **Hussainova, Irina**; Kozlov, V.; Lisnanskis, M.; Leroy, P.; Lehmhus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319–1325 : ill <https://doi.org/10.1007/s11837-018-2886-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal-doped organic aerogels for photocatalytic degradation of trimethoprim

Bolobajev, Juri; Kask, Maarja; Kreek, Kristiina; Kulp, Maria; Koel, Mihkel; Goi, Anna Chemical engineering journal 2019 / p. 120-128 : ill <https://doi.org/10.1016/j.cej.2018.09.127> Tehnikaülikooli teadlaste meetod aitab puhastada reovett antibiootikumijääkidest <https://keskkonnatehnika.ee/reovee-puhastamine-kasutades-aerogeele/> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Method for assessing heat loss in a district heating network with a focus on the state of insulation and actual demand for useful energy

Chicherin, Stanislav; Mašatin, Vladislav; **Siirde, Andres; Volkova, Anna** Energies 2020 / art. 4505, 15 p. : ill <https://doi.org/10.3390/en13174505> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Method for evaluating information security level in organisations

Seeba, Mari; **Mäses, Sten**; Matulevičius, Raimundas Research Challenges in Information Science : 16th International Conference, RCIS 2022 : Barcelona, Spain, May 17–20, 2022 : proceedings 2022 / p. 644-652 : ill https://doi.org/10.1007/978-3-031-05760-1_39 Conference Proceedings at Scopus Article at Scopus Article at WOS

A method for significant wave height estimation from circularly polarized X-Band coastal marine radar images

Rikka, Sander; Uiboupin, Rivo; Kõuts, Tarmo; Vahter, Kaimo; Pärt, Siim IEEE Geoscience and Remote Sensing Letters 2019 / p. 844-848 : ill <https://doi.org/10.1109/LGRS.2018.2886631> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methodologies of contemporary disaster resilience research

Witt, Emlyn David Qivitoq; Lill, Irene Procedia engineering 2018 / p. 970-977 : tab <https://doi.org/10.1016/j.proeng.2018.01.125> Journal metrics at Scopus Article at Scopus Article at WOS

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methods for detection of bioimpedance variations in resource constrained environments

Priidel, Eiko; Annus, Paul; Krivošei, Andrei; Rist, Marek; Land, Raul; Min, Mart; Märten, Olev Sensors 2020 / art. 1363, 16 p. : ill <https://doi.org/10.3390/s20051363> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methods of condition monitoring and fault detection for electrical machines

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Khang, Huynh Van Energies 2021 / art. 7459, 20 p. : ill <https://doi.org/10.3390/en14227459> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbial saccharification of wheat bran for bioethanol fermentation

Farkas, Csilla; Rezessy-Szabó, Judit M.; **Gupta, Vijai Kumar**; Truong, Duy H.; Friedrich, László; Felföldi, József; Nguyen, Quang D. Journal of Cleaner Production 2019 / Article nr. 118269 <https://doi.org/10.1016/j.jclepro.2019.118269> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on: E. coli

Postek, Witold; Gargulinski, Pawel; **Scheler, Ott**; Kaminski, Tomasz S.; Garstecki, Piotr Lab on a Chip 2018 / p. 3668 - 3677 <https://doi.org/10.1039/c8lc00916c> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microgrid oriented modeling of space heating system based on neural networks

Häring, Tobias; Kull, Tuule Mall; Ahmadiyahangar, Roya; Rosin, Argo; Thalfeldt, Martin; Biechl, Helmuth Journal of building engineering 2021 / art. 103150, 12 p. : ill <https://doi.org/10.1016/j.jobe.2021.103150> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment

Wang, Pei; Chen, Feng-hua; Eckert, J.; Pilz, S.; Scudino, S.; **Prashanth, Konda Gokuldoss** Journal of Central South University 2021 / p. 1068–1077 : ill <https://doi.org/10.1007/s11771-021-4680-3> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural, mechanical and corrosion behaviour of Al–Si alloy reinforced with SiC metal matrix composite

Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** Journal of composite materials 2019 / p. 4215–4223 : ill <https://doi.org/10.1177/0021998319856679> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing
Singh, Shalini; Jinoop, A. N.; Palani, Iyemperumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites
Xie, M.S.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation

Kommel, Lembit; Omranpour Shahreza, Babak; Mikli, Valdek International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill <https://doi.org/10.1016/j.jirmhm.2019.104983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and properties of in situ high entropy alloy/tungsten carbide composites by mechanical alloying

Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Traksmaa, Rainer**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill <https://doi.org/10.1002/mdp2.175> [Journal metrics at Scopus](#) [Article at Scopus](#)

Microstructure and properties that change during hard cyclic visco-plastic deformation of bulk high purity niobium

Kommel, Lembit International journal of refractory metals and hard materials 2019 / p. 10-17 : ill <https://doi.org/10.1016/j.jirmhm.2018.10.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process

Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav**; Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill <https://doi.org/10.1016/j.matchar.2021.111289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution and hot deformation behavior of spray-deposited TiAl alloys

Jia, Yandong; Xu, Long; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of materials research 2018 / p. 2844-2852 : ill <https://doi.org/10.1557/jmr.2018.249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder

Kolnes, Märt; Mere, Arvo; Kübarsepp, Jakob; Viljus, Mart; Maaten, Birgit; Tarraste, Marek Powder metallurgy 2018 / p. 197-209 : ill <https://doi.org/10.1080/00325899.2018.1447268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites

Juhani, Kristjan; Kübarsepp, Jakob; Tarraste, Marek; Pirso, Jüri; Viljus, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.131> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC-graphite hybrid composites

Jamwal, Anbesh; Prakash, Prem; Kumar, Devendra; **Singh, Neera**; Sadasivuni, Kishor Kumar; Harshit, Kumar; Gupta, Sumit; Gupta, Pallav Journal of composite materials 2019 / p. 2545 - 2553 <https://doi.org/10.1177/0021998319832961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Migration from HL7 CDA to FHIR in infectious disease system of Estonia

Bossenko, Igor; Linna, Kerli; Piho, Gunnar; Ross, Peeter Studies in Health Technology and Informatics ; 299 2022 / p. 275-278 <https://doi.org/10.3233/SHIT220998> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mild steel tribology for circular economy of textile industries

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Basit, Muhammad Abdul; Ahmad, Tahir Tribology in Industry 2021 / p. 552-560 <https://doi.org/10.24874/ti.1050.02.21.04> [Journal metrics at Scopus](#) [Article at Scopus](#)

Minimal output impedance required for stability of grid-supporting inverters

Ofir, Ron; Zargari, Noa; **Belikov, Juri**; Levron, Yoash IEEE transactions on power delivery 2021 / p. 2241-2244 <https://doi.org/10.1109/TPWRD.2021.3071023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Minimal realizations of nonlinear systems

Kotta, Ülle; Moog, Claude; **Tönso, Maris** Automatica 2018 / p. 207-212 <https://doi.org/10.1016/j.automatica.2018.05.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Minor and parental access to electronic health records : differences across four countries

Hagström, Josefin; Scandurra, Isabella; Moll, Jonas; Blease, Charlotte; **Haage, Barbara**; Hörhammer, Iiris; Häggglund, Maria
Challenges of Trustable AI and Added-Value on Health 2022 / p. 495 - 499 <https://doi.org/10.3233/SHTI220508> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Mission profile-based accelerated testing of DC-link capacitors in photovoltaic inverters

Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii**; **Liivik, Elizaveta**; **Vinnikov, Dmitri**; Wang, Huai; Blaabjerg, Frede
Fourth Annual IEEE Applied Power Electronics Conference and Exposition, March 17 – 21, 2019, Anaheim, California 2019 / p. 2833-2840 : ill <https://doi.org/10.1109/APEC.2019.8721794> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering

Minasyan, Tatevik; Kirakosyan, Hasmik; **Aydingyan, Sofiya**; **Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina**
Journal of materials science 2018 / p. 16598–16608 <https://doi.org/10.1007/s10853-018-2787-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A model and system for an integrated analysis of the iterative life cycle of university-industry partnerships

Kaklauskas, Arturas; Amaratunga, Dilanthi; Haigh, Richard; Binkyte, A.; Lepkova, Natalija; Survila, A.; **Lill, Irene**
Procedia engineering 2018 / p. 270-277 <https://doi.org/10.1016/j.proeng.2018.01.035> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Model predictive control for modeling human gait motions assisted by Vicon technology

Vu, Trieu Minh; **Tamre, Mart**; Musalimov, Victor; Kovalenko, Pavel; Rubinshtein, Irina; Ovchinnikov, Ivan; Krcmarik, David; Moezzi, Reza
Journal Européen des systèmes automatisés 2020 / p. 589–600 <https://doi.org/10.18280/jesa.530501> [Journal metrics at Scopus](#) [Article at Scopus](#)

Model reference adaptive control scheme for retuning method-based fractional-order PID control with disturbance rejection applied to closed-loop control of a magnetic levitation system

Tepljakov, Aleksei; Alagoz, Baris Baykant; Gonzalez, Emmanuel A.; **Petlenkov, Eduard**; Yeroğlu, Celalettin
Journal of circuits, systems, and computers 2018 / 1850176 <https://doi.org/10.1142/S0218126618501761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model-based simulation of a hydraulic closed-loop rotary transmission with automatic control

Grossschmidt, Gunnar; **Harf, Mait**
International journal of fluid power 2021 / 42 p. : ill <https://doi.org/10.13052/ijfp1439-9776.2212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model-based simulation of hydraulic hoses in an intelligent environment

Grossschmidt, Gunnar; **Harf, Mait**
International journal of fluid power 2018 / p. 27-41 : ill <https://doi.org/10.1080/14399776.2017.1374140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modeling an alternate operational ground source heat pump for combined space heating and domestic hot water power sizing

Ahmed, Kaiser; **Fadejev, Jevgeni**; **Kurnitski, Jarek**
Energies 2019 / art. 2120, 26 p. : ill <https://doi.org/10.3390/en12112120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modeling and experimental analysis of the mass loading effect on micro-ionic polymer actuators using step response identification

Dadras, Iman; Ghenna, Sofiane; Grondel, Sébastien; Cattani, Éric; **Raik, Jaan**; Aabloo, Alvo; Banerji, Saoni
Journal of Microelectromechanical Systems 2021 / p. 243–252 : ill <https://doi.org/10.1109/JMEMS.2021.3060897> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modeling and simulations of 4H-SiC/6H-SiC/4H-SiC single quantum-well light emitting diode using diffusion bonding technique

Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**
Micromachines 2021 / art. 1499 <https://doi.org/10.3390/mi12121499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modeling of microstructures and analysis of abrasive wear of arc-welded Hadfield steel

Jankauskas, Vytenis; Choteborsky, R.; **Antonov, Maksim**; Katinas, Egidijus
Journal of friction and wear 2018 / p. 78-84 : ill <https://doi.org/10.3103/S1068366618010142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modeling the effect of anisotropy in ultrasonic-guided wave tomography

Ratassepp, Madis; Rao, Jing; Yu, Xudong; Fan, Zheng
IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 2022 / p. 330-339 : ill <https://doi.org/10.1109/TUFFC.2021.3114432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of distribution level coreless induction furnace for rapid voltage change assessment

Trummal, Tarmo; Sarnet, Tanel; Kilter, Jako Electric power systems research 2021 / art. 107151

<https://doi.org/10.1016/j.epsr.2021.107151> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of impact-abrasive wear of ceramic, metallic, and composite materials

Rahmani Ahranjani, Ramin; Antonov, Maksim; Kamboj, Nikhil Kumar Proceedings of the Estonian Academy of Sciences 2019 / p. 191–197 : ill <https://doi.org/10.3176/proc.2019.2.11> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-191-197.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of nitrogen leaching from watersheds with large drained peat areas

Vassiljev, Anatoli; Kaur, Katrin; Annus, Ivar Advances in engineering software 2018 / p. 94-100 : ill

<https://doi.org/10.1016/j.advengsoft.2018.03.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of processes in nerve fibres at the interface of physiology and mathematics

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Biomechanics and modeling in mechanobiology 2020 / p. 2491–2496

<https://doi.org/10.1007/s10237-020-01350-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of the human knee joint supported by active orthosis

Musalimov, Victor; Monahov, Juri; Tamre, Mart; Rõbak, Dmitri; Sivitski, Alina; Arjassov, Gennadi; Penkov, Igor International journal of applied mechanics and engineering 2018 / p. 107-120 : ill <https://doi.org/10.1515/ijame-2018-0007> [Journal metrics at Scopus](#)

[Article at Scopus](#)

Modelling the technical–economic relevance of the ETICS construction process

Sulakatko, Virgo Buildings 2018 / art. 155, 26 p. : ill <https://doi.org/10.3390/buildings8110155> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling wholesale company's supply chain using system dynamics

Kiisler, Ain; Hilmola, Olli-Pekka Kristian Transport and Telecommunication 2020 / p. 149 - 158 <https://doi.org/10.2478/tjt-2020-0012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modern robot-integrated manufacturing cell according to the needs of Industry 4.0

Moor, Madis; Vaher, Kristo; Riives, Jüri; Kangro, Tavo; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2021 / p. 407-412 : ill <https://doi.org/10.3176/proc.2021.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A modified dynamic model of single-sided linear induction motors considering longitudinal and transversal effects

Heidari, Hamidreza; Rassõlkin, Anton; Razzaghi, Arash; Vaimann, Toomas; Kallaste, Ants; Andriushchenko, Ekaterina; Belahcen, Anouar; Lukichev, Dmitry Electronics 2021 / art. 933, 14 p. : ill <https://doi.org/10.3390/electronics10080933> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified inductive multi-coil wireless power transfer approach based on Z-source network

Pakhaliuk, Bohdan; Husev, Oleksandr; Shevchenko, Viktor; Zakis, Janis; Khomenko, Maksym; Strzelecki, Ryszard IEEE journal of emerging and selected topics in power electronics 2021 / p. 4906-4917: ill <https://doi.org/10.1109/JESTPE.2020.3041565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified technique of parameter identification of a permanent magnet synchronous motor with PWM inverter in the presence of dead-time effect and measurement noise

Mamatov, Aleksandr; Lovlin, Sergey; Vaimann, Toomas; Rassõlkin, Anton; Vakulenko, Sergei; Abramian, Andrei Electronics 2019 / art. 1200, 19 p <https://doi.org/10.3390/electronics8101200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified transfer matrix method for steady-state forced vibration : a system of bar elements

Lahe, Andres; Braunbrück, Andres; Klauson, Aleksander Proceedings of the Estonian Academy of Sciences 2020 / p. 143–161 : ill <https://doi.org/10.3176/proc.2020.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified transfer matrix method for steady-state forced vibration : a system of beam elements

Lahe, Andres Proceedings of the Estonian Academy of Sciences 2020 / p. 235-256 : ill <https://doi.org/10.3176/proc.2020.3.07> https://kirj.ee/wp-content/plugins/kirj/pub/proc-2020-3-235-256_20200717112033.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified winding function analysis of synchronous reluctance motor for design iteration purposes

Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton IEEE transactions on magnetics 2022 / art. 7500704 <https://doi.org/10.1109/TMAG.2022.3164189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified winding function-based model of squirrel cage induction motor for fault diagnostics

Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed IET electric power applications 2020 / p. 1722-1734 <https://doi.org/10.1049/iet-epa.2019.1002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[metrics at WOS](#) [Article at WOS](#)

Modular battery charger for light electric vehicles

Blinov, Andrei; Verbytskyi, Ievgen; **Zinchenko, Denys;** Vinnikov, Dmitri; Galkin, Ilya Energies 2020 / art. 774, 21 p. : ill <https://doi.org/10.3390/en13040774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modular self-balancing battery charger concept for cost-effective power-assist wheelchairs

Galkin, Ilya; **Blinov, Andrei;** Verbytskyi, Ievgen; **Zinchenko, Denys** Energies Special Issue Power Electronic Systems for Efficient and Sustainable Energy Supply 2019 / art. en12081526, 21 p. : ill <https://doi.org/10.3390/en12081526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modular smart control system architecture for the mobile robot platform

Sell, Raivo; Våljaots, Eero; Pataaraia, Tengiz; Malayjerdi, Ehsan Proceedings of the Estonian Academy of Sciences 2019 / p. 395-400 : ill http://www.kirj.ee/32713/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moisture buffer value of composite material made of clay-sand plaster and wastepaper

Nutt, Nele; Kubjas, Ardo Journal of sustainable architecture and civil engineering 2020 / p. 108-115 <https://doi.org/10.5755/j01.sace.27.2.25391> [Journal metrics at Scopus](#) [Article at Scopus](#)

Moisture control strategies of habitable basements in cold climates

Asphaug, Silje Kathrin; Kvande, Tore; Time, Berit; Peuhkuri, Ruut H.; **Kalamees, Targo;** Johansson, Pär; Berardi, Umberto; Lohne, Jardar Building and Environment 2020 / Art. 106572 <https://doi.org/10.1016/j.buildenv.2019.106572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moisture drying capacity of mineral wool insulated steel-faced sandwich panels by convection

Lomp, Siim; Kalbe, Kristo; Kalamees, Targo Acta Polytechnica CTU proceedings 2022 / p. 347-353 <https://doi.org/10.14311/APP.2022.38.0347> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Molecularly imprinted polymer based electrochemical sensor for quantitative detection of SARS-CoV-2 spike protein

Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali Sensors and Actuators B: Chemical 2022 / Art. 131160 <https://doi.org/10.1016/j.snb.2021.131160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted polymer-based SAW sensor for label-free detection of cerebral dopamine neurotrophic factor protein

Kidakova, Anna; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Saarma, Mart; Söritski, Vitali Sensors and actuators B : chemical 2020 / art. 127708, 8 p. : ill <https://doi.org/10.1016/j.snb.2020.127708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin

Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Söritski, Vitali Sensors and actuators B : chemical 2018 / p. 766-774 : ill <https://doi.org/10.1016/j.snb.2017.11.194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MO-NILM: A multi-objective evolutionary algorithm for NILM classification

Machlev, Ram; **Belikov, Juri;** Beck, Yuval; Levron, Yoash Energy and buildings 2019 / p. 134-144 <https://doi.org/10.1016/j.enbuild.2019.06.046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monograin layer solar cell for future lunar outpost

Kristmann, Katriin; Altosaar, Mare; Raudoja, Jaan; Grossberg, Maarja; Krustok, Jüri; Raadik, Taavi IAC 2020 congress proceedings Proceedings of the International Astronautical Congress, IAC 2020 / 7 p. : ill [Monograin layer solar cell for future lunar outpost](#) <https://dl.iafastro.directory/event/IAC-2020/paper/56905/> [Conference proceeding at Scopus](#) [Article at Scopus](#)

MOOCs in logistics – preliminary data on university curricula coverage

Niine, Tarvo; Cantoni, Franca; Cordova, Miguel Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 586-597 https://doi.org/10.1007/978-3-030-68198-2_54 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mo(Si,Al)₂ by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi₂

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2022 / art. 131041 <https://doi.org/10.1016/j.matlet.2021.131041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mo(Si_{1-x}Al_x)₂-based composite by reactive laser powder-bed fusion

Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Volobujeva, Olga; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2020 / art. 128776, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.128776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Motion control of a hovering biomimetic four-fin underwater robot

Salumäe, Taavi; Chemori, Ahmed; **Kruusmaa, Maarja** IEEE Journal of Oceanic Engineering 2019 / p. 54 - 71

<https://doi.org/10.1109/JOE.2017.2774318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An MPPT algorithm for PV systems based on a simplified photo-diode model

Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii**; Vidal-Idiarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202

<https://doi.org/10.1109/ACCESS.2021.3061340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MPPT and GMPPT Implementation for Buck-Boost Mode Control of quasi-Z-Source Inverter

Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard IEEE transactions on

industrial electronics 2022 / p. 11348 - 11358 <https://doi.org/10.1109/TIE.2021.3125658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A multi-agent system approach for optimal microgrid expansion planning under uncertainty

Mishra, Sambeet; Bordin, Chiara; Tomasgard, Asgeir; **Palu, Ivo** International journal of electrical power & energy systems 2019 / p.

696-709 : ill <https://doi.org/10.1016/j.ijepes.2019.01.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multichannel electrical impedance spectroscopy analyzer with microfluidic sensors

Ojarand, Jaan; Min, Mart; Koel, Ants Sensors 2019 / art. 1891, 28 p. : ill <https://doi.org/10.3390/s19081891> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-layer cyber-physical control method for mobile robot safety systems

Pikner, Heiko; Sell, Raivo; Majak, Jüri; Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2021 / p. 383-391 : ill

<https://doi.org/10.3176/proc.2021.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-nodal nano-actuator pacemaker for energy-efficient stimulation of cardiomyocytes

Lu, Pengfei; Veletic, Mladen; **Laasmaa, Martin**; Vendelin, Marko Nano Communication Networks 2019 / art. 100270, 11 p. : ill

<https://doi.org/10.1016/j.nancom.2019.100270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-objective optimization for daylight retrofit

De Luca, Francesco; Wortmann, Thomas eCAADe 2020 : Anthropologic – Architecture and Fabrication in the cognitive age :

Proceedings of the 38th eCAADe Conference : Education and research in Computer Aided Architectural Design in Europe, Berlin,

Germany, 16-17 September 2020 2020 / p. 57-66 : ill http://ecaade.org/downloads/eCAADe2020_volume1-print.pdf

http://papers.cumincad.org/cgi-bin/works/paper/ecaade2020_272 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Multi-performance optimization of static shading devices for glare, daylight, view and energy consideration

De Luca, Francesco; Sepulveda Luque, Abel; Varjas, Toivo Building and environment 2022 / art. 109110

<https://doi.org/10.1016/j.buildenv.2022.109110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiphase quasi-z-source DC-DC converters for residential distributed generation systems

Chub, Andrii; Vinnikov, Dmitri; Liivik, Elizaveta; Jalakas, Tanel IEEE transactions on industrial electronics 2018 / p. 8361-8371 :

ill <https://doi.org/10.1109/TIE.2018.2801860> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiplierless design of very large constant multiplications in cryptography

Aksoy, Levent; Roy, Debapriya Basu; Imran, Malik; Karl, Patrick; Pagliarini, Samuel Nascimento IEEE Transactions on Circuits

and Systems II : Express Briefs 2022 / p. 4503-4507 <https://doi.org/10.1109/TCSII.2022.3191662> [Journal metrics at Scopus](#) [Article at](#)

[Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A multisensory, green, and energy efficient housing neuromarketing method

Kaklauskas, Arturas; Ubarte, Ieva; Kalibatas, Darius; **Lill, Irene** Energies 2019 / art. 3836, 30 p. : ill <https://doi.org/10.3390/en12203836>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-stage deep learning networks for automated assessment of electricity transmission infrastructure using fly-by images

Manninen, Henri; Ramlal, Craig J.; Singh, Arvind; Kilter, Jako; Landsberg, Mart Electric power systems research 2022 / art.

107948 <https://doi.org/10.1016/j.epsr.2022.107948> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-type dislocation substructure evolution in a high-strength and ductile duplex high-entropy nanocomposites

Mua, Yongkun; **Liu, Le**; Shia, Jinqiang; Sun, Tongtong; Hua, Kai; Jia, Yuefei; Song, Kaikai; Jia, Yandong; Wang, Qing; Wang, Gang

Composites Part B : Engineering 2022 / art. 110322 <https://doi.org/10.1016/j.compositesb.2022.110322> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes

Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 490-496 <https://doi.org/10.4028/www.scientific.net/MSF.1004.490> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Nano and micro-scale simulations of Si/4H-SiC and Si/3C-SiC NN-heterojunction diodes

Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 357-361 <https://doi.org/10.4028/www.scientific.net/MSF.963.357> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Nanoindentation and surface characterization of clinically retrieved multi-force niti orthodontic archwires

Chemeva, Sabina; Stoyanova-Ivanova, Angelina K.; Georgieva, Mirela; Andreeva, Laura A.; Petkov, Alexander; Petrov, Valeri G.; Petrova, Violeta P.; Mikli, Valdek Russian Journal of Biomechanics 2020 / p. 240-256 <https://doi.org/10.15593/RJBiomech/2020.3.02> <https://ered.pstu.ru/index.php/rjb/article/view/2303> [Journal metrics at Scopus](#) [Article at Scopus](#)

Nanostructure development in refractory metals : ECAP processing of Niobium and Tantalum using indirect-extrusion technique

Omranpour Shahreza, Babak; Kommel, Lembit; Mikli, Valdek; Garcia, Edgar; Huot, Jacques International journal of refractory metals and hard materials 2019 / p. 1-9 : ill <https://doi.org/10.1016/j.ijrmhm.2018.10.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Narrowband internet of things (NB-IoT) : from physical (PHY) and media access control (MAC) layers perspectives

Mwakwata, Collins Burton; Malik, Hassan; Alam, Muhammad Mahtab; Le Moullec, Yannick; Päränd, Sven; Mumtaz, Shahid Sensors 2019 / art. 2613, 34 p.: ill <https://doi.org/10.3390/s19112613> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An NB-IoT based edge-of-things framework for energy-efficient image transfer

Khan, Sikandar Muhammad Zulqarnain; Le Moullec, Yannick; Alam, Muhammad Mahtab Sensors 2021 / art. 5929, 21 p. : ill <https://doi.org/10.3390/s21175929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Neural network control of green energy vehicles with blended braking systems

Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; Raud, Zoja Renewable Energy & Power Quality Journal 2021 / p. 344-349 <https://doi.org/10.24084/repqj19.291> [Journal metrics at Scopus](#) [Article at Scopus](#)

Neural network-based model reference control of braking electric vehicles

Vodovozov, Valery; Aksjonov, Andrei; Petlenkov, Eduard; Raud, Zoja Energies 2021 / art. 2373 <https://doi.org/10.3390/en14092373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New approaches for increasing demand-side flexibility

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 51-62 https://doi.org/10.1007/978-981-15-4627-3_5 [Journal metrics at Scopus](#) [Article at Scopus](#)

New equation for optimal insulation dependency on the climate for office buildings

Ahmed, Kaiser; Kurnitski, Jarek Energies 2021 / art. 321 <https://doi.org/10.3390/en14020321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New higher order Haar wavelet method : application to FGM structures

Majak, Jüri; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin; Kurnitski, Jarek; Shvartsman, Boris Composite Structures 2018 / p. 72-78 : tab <https://doi.org/10.1016/j.compstruct.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New high-gain non-inverting buck-boost converter

Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9590003> [Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

New high-gain transformerless DC/DC boost converter system

Ahmed, Hassan Yousif; Abdelrahim Abdelghafour, Omar Mohamed; Ali, Ziad M. Electronics 2022 / art. 734 <https://doi.org/10.3390/electronics11050734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New materials through a variety of sintering methods

Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Łukasik, J.; Podsiadło, M.; Novak, P.; Holovenko, Y. E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A new method for contrasting energy performance and near-zero energy building requirements in different climates and countries

Kurnitski, Jarek Energies 2018 / art. 1334, 22 p. : ill <https://doi.org/10.3390/en11061334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new modulated finite control set-model predictive control of quasi-Z-source inverter for PMSM drives

Ahmed, Abdelsalam A.; Bakeer, Abualkasim Ahmed Ali; Alhelou, Hassan Haes; Siano, Pierluigi; Mossa, Mahmoud A. Electronics (Switzerland) 2021 / art. 2814 <https://doi.org/10.3390/electronics10222814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current

Vosoughi Kurdkandi, Naser; Marangalu, Milad Ghavipanjeh; Mohammadsalehian, Shamim; Tarzamni, Hadi; Siwakoti, Yam P.; Islam, Md. Rabiul; Muttaqi, Kashem M. IEEE Access 2022 / p. 63736 - 63753: ill <https://doi.org/10.1109/ACCESS.2022.3182240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New type of bridge fault current limiter with reduced power losses for transient stability improvement of DFIG wind farm

Baimel, Dmitry; Chowdhury, Nilanjan Roy; Belikov, Juri; Levron, Yoash Electric Power Systems Research 2021 / art. 107293, 8 p. : ill <https://doi.org/10.1016/j.eprs.2021.107293> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids

Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; Petlenkov, Eduard Energies 2020 / art. 5641, 17 p. : ill <https://doi.org/10.3390/en13215641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Newton observer for a nonlinear flux-controlled AMB system

Mystkowski, Arkadiusz; Kotta, Ülle; Kaparin, Vadim Proceedings of the Estonian Academy of Sciences 2018 / p. 61-72 : ill <https://doi.org/10.3176/proc.2018.1.03> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear comparative optimization for biomaterials wear in artificial implant technology

Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 <https://doi.org/10.4028/www.scientific.net/KEM.800.52> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Nonlinear orientation controller for a compliant robotic fish based on asymmetric actuation

Meurer, Christian; Simha, Ashutosh; Kotta, Ülle; Kruusmaa, Maarja 2019 International Conference on Robotics and Automation : ICRA 2019, Palais des Congres de Montreal, Canada, 20-24 May, 2019 2019 / Art. 8793892 ; p. 4688-4694 <https://doi.org/10.1109/ICRA.2019.8793892> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Non-standard electrode placement strategies for ECG signal acquisition

Metshein, Margus; Krivošei, Andrei; Abdullayev, Anar; Annus, Paul; Märten, Olev Sensors 2022 / art. 9351 <https://doi.org/10.3390/s22239351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Non-wovens as sound reducers

Belakova, Dana; Seile, Arta; Kukle, Silvija; Plamus, Tiia Latvian journal of physics and technical sciences 2018 / p. 64-76 : ill <https://doi.org/10.2478/lpts-2018-0014> [Journal metrics at Scopus](#) [Article at Scopus](#)

Novel active-passive two-way ranging protocols for UWB positioning systems

Laadung, Taavi; Ulp, Sander; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE sensors journal 2022 / p. 5223-5237 : ill <https://doi.org/10.1109/JSEN.2021.3125570> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel and high-gain switched-capacitor and switched-inductor-based DC/DC boost converter with low input current ripple and mitigated voltage stresses

Pirpoor, Samaneh; Rahimpour, Saeed; Andi, Mikaeil; Kanagaraj N.; Pirouzi, Sasan; Mohammed, Adil Hussein IEEE Access 2022 / p. 32782 - 32802 <https://doi.org/10.1109/ACCESS.2022.3161576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel concept of solar converter with universal applicability for DC and AC microgrids

Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Kouro, Samir IEEE transactions on industrial electronics 2022 / p. 4329-4341 : ill <https://doi.org/10.1109/TIE.2021.3086436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion

Zhang, Cheng; Wang, Pei; Liu, C. Y.; Liu, Zhiyuan; Wu, Mingwei; Gao, X. H.; Li, M. H.; Yang, Chao; Prashanth, Konda Gokuldoss; Chen, Zhangwei Journal of alloys and compounds 2022 / art. 164802 <https://doi.org/10.1016/j.jallcom.2022.164802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel family of flying inductor-based single-stage buck-boost inverters

Vosoughi Kurdkandi, Naser; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri IEEE journal of emerging and selected topics in power electronics 2022 / p. 6020-6032 <https://doi.org/10.1109/JESTPE.2022.3161113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel family of single-stage buck-boost inverters based on unfolding circuit

Husev, Oleksandr; Matiushkin, Oleksandr; Roncero-Clemente, Carlos; Blaabjerg, Frede; Vinnikov, Dmitri IEEE transactions on power electronics 2019 / p. 7662-7676 : ill <https://doi.org/10.1109/TPEL.2018.2879776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel flying inductor based grid-connected inverter with buck-boost ability

Vosoughi Kurdkandi, Naser; Husev, Oleksandr; Rahimpour, Saeed; Roncero-Clemente, Carlos; Matiushkin, Oleksandr; Vinnikov, Dmitri IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / 6 p <https://doi.org/10.1109/IECON49645.2022.9968954> [Conference proceedings at Scopus](#) [Article at Scopus](#)

A novel framework for unification of association rule mining, online analytical processing and statistical reasoning

Sharma, Rahul; Kaushik, Minakshi; Peious, Sijo Arakkal; Bazin, Alexandre; Shah, Syed Attique; Istok, Fister Jr.; Ben Yahia, Sadok; Draheim, Dirk IEEE Access 2022 / p. 12792-12813 <https://doi.org/10.1109/ACCESS.2022.3142537> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel interestingness measures for mining significant association rules from imbalanced data

Abdellatif, Safa; Ben Hassine, Mohamed Ali; Ben Yahia, Sadok Web, Artificial Intelligence and Network Applications :Proceedings of the Workshops of the 33rd International Conference on Advanced Information Networking and Applications (WAINA-2019) 2019 https://doi.org/10.1007/978-3-030-15035-8_16 [Conference proceedings at Scopus](#) [Article at Scopus](#)

A novel method for calculating heat emitter and controller configuration setpoint variations with EN15316-2

Vösa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek Journal of building engineering 2020 / art. 101387 <https://doi.org/10.1016/j.jobe.2020.101387> <https://aaltodoc.aalto.fi/handle/123456789/43872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel method for producing electrospun composite nanofibre yarns

Viirsalu, Mihkel; Savest, Natalja; Plamus, Tiia; Vassiljeva, Viktoria; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 169-174 : ill <https://doi.org/10.3176/proc.2018.2.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel method for rapid assessment of the performance and complexity of small wastewater treatment plants

Kõrgmaa, Vallo; Tenno, Taavo; Pachel, Karin; Iital, Arvo Proceedings of the Estonian Academy of Sciences 2019 / p. 32-42 : ill <https://doi.org/10.3176/proc.2019.1.03> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-32-42.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel multi-criteria method for building massing based on energy performance and solar access : the mixed solar envelope (MSE) method

Sepulveda Luque, Abel; De Luca, Francesco Co-creating the future: inclusion in and through design ; Vol. 1 2022 / p. 649-658 : ill <https://doi.org/10.52842/conf.ecaade.2022.1.649> <https://www.researchgate.net/publication/363503843> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A novel physical fatigue assessment method utilizing heart rate variability and pulse arrival time towards personalized feedback with wearable sensors

Allik, Ardo; Pilt, Kristjan; Viigimäe, Moonika; Fridolin, Ivo; Jervan, Gert Sensors 2022 / art. 1680 <https://doi.org/10.3390/s22041680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel short receptive field based dilated causal convolutional network integrated with Bidirectional LSTM for short-term load forecasting

Javed, Umar; Ijaz, Khalid; Jawad, Muhammad; Khosa, Ikramullah; Ansari, Ejaz Ahmad; Zaidi, Khurram Shabih; Rafiq, Muhammad Nadeem; Shabbir, Noman Expert systems with applications 2022 / art. 117689 <https://doi.org/10.1016/j.eswa.2022.117689> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel solar envelope method based on solar ordinances for urban planning

De Luca, Francesco; Dogan, Timur Building Simulation 2019 / p. 817 - 834 <https://doi.org/10.1007/s12273-019-0561-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel space vector pulse width modulation strategies for single-phase three-level NPC impedance-source inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede; Roncero, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri IEEE transactions on power electronics 2019 / p. 4820-4830: ill <https://doi.org/10.1109/TPEL.2018.2859194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Novel vector control strategy for a six-phase induction motor with low torque ripples and harmonic currents
Heidari, Hamidreza; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants; Taheri, Asghar; Holakooie, Mohammad Hosein; Belahcen, Anouar Energies 2019 / art. 1102, 14 p. : ill <https://doi.org/10.3390/en12061102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel welding of Al0.5CoCrFeNi high-entropy alloy: corrosion behavior
Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Duraiselvam, Muthukannan; Muthupandi, Veerappan; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2020 / art. 153163, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical analysis of additional heat loss induced by air cavities between insulation boards due to non-ideality
Hallik, Jaanus; Klõšeiko, Paul; Piir, Reimo; Kalamees, Targo Journal of building engineering 2022 / art. 05221 <https://doi.org/10.1016/j.jobbe.2022.105221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical analysis of shipping water impacting a step structure
Khojasteh, Danial; Tavakoli, Sasan; Dashtimanesh, Abbas Ocean Engineering 2020 / art. 107517, 10 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107517> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical and experimental investigation on flow dynamics in a pipe with an abrupt change in diameter
Annus, Ivar; Kartušinski, Aleksander; Vassiljev, Anatoli; Kaur, Katrin Journal of fluids engineering 2019 / art. 101301, 9 p. : ill <https://doi.org/10.1115/1.4043233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical investigation of hydroelastic response of a three-dimensional deformable hydrofoil
Hosseinzadeh, Saeed; Tabri, Kristjan HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 77-86 <https://doi.org/10.3233/PMST200029> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical investigation on the buckling response of stiffened panel subjected to biaxial compression with non-linear equivalent single layer approach
Putranto, Teguh; Kõrgesaar, Mihkel 31st International Ocean and Polar Engineering Conference, ISOPE 2021 Virtual, Online 20 June 2021 through 25 June 2021 : proceedings of the International Offshore and Polar Engineering Conference 2021 / p. 2893-2900 https://publications.isope.org/proceedings/ISOPE/ISOPE%202021/data/pdfs_Vol4/4206-21TPC-0462.pdf [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Numerical modeling and validation of a large-scale borehole thermal energy storage system in Finland
Xue, Tianchen; Jokisalo, Juha; Kosonen, Risto; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo E3S Web of Conferences : BuildSim Nordic 2022 2022 / art. 06003 <https://doi.org/10.1051/e3sconf/202236206003> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Numerical modelling of a planing craft with a V-Shaped spray interceptor arrangement in calm water
Lakatoš, Mikloš; Tabri, Kristjan; Dashtimanesh, Abbas; Andreasson, Henrik HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 33-42 <https://doi.org/10.3233/PMST200024> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical simulations of grounding scenarios – benchmark study on key parameters in FEM modelling
Brubak, Lars; Hu, Zhiqiang; Kõrgesaar, Mihkel; Schipperen, Ingrid; Tabri, Kristjan Practical Design of Ships and Other Floating Structures : Proceedings of the 14th International Symposium, PRADS 2019, September 22-26, 2019, Yokohama, Japan, Vol. II 2020 / p. 257-269 https://doi.org/10.1007/978-981-15-4672-3_16 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A numerical study for plant-independent evaluation of fractional-order PID controller performance
Alagoz, Baris Baykant; Tepljakov, Aleksei; Yeroglu, Celaledin; Gonzalez, Emmanuel A.; Hossein Nia, S. Hassan; Petlenkov, Eduard IFAC-PapersOnLine 2018 / p. 539-544 : ill <https://doi.org/10.1016/j.ifacol.2018.06.151> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical study on a heeled one-stepped boat moving forward in planing regime
Dashtimanesh, Abbas; Tavakoli, Sasan; Kohansal, Ahmadrza; Khosravani, Reza; Ghassemzadeh, Abbas Applied ocean research 2020 / art. 102057, 18 p <https://doi.org/10.1016/j.apor.2020.102057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Object segmentation for autonomous driving using iseAuto data
Gu, Junyi; Bellone, Mauro; Sell, Raivo; Lind, Artjom Electronics (Switzerland) 2022 / Art. 1119 <https://doi.org/10.3390/electronics11071119> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Observation and stabilisation of coupled timelfractional reaction–advection–diffusion systems with spatiallylvarying coefficients
Chen, Juan; Tepljakov, Aleksei; Petlenkov, Eduard IET control theory and applications 2020 / p. 3128-3138 <https://doi.org/10.1049/iet-cta.2020.0520> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Observer-based detection and identification of sensor attacks in networked CPSs

Chowdhury, Nilanjan Roy; **Belikov, Juri**; Baimel, Dmitry; Levron, Yoash Automatica 2020 / art. 109166, 13 p

<https://doi.org/10.1016/j.automatica.2020.109166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Observer-based residual generation for nonlinear discrete-time systems

Kaldmäe, Arvo; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2018 / p. 325-336

http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-325-336.pdf <https://doi.org/10.3176/proc.2018.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Occupational qualification standard for truck drivers as a risk management tool in road transportation of dangerous goods

Janno, Jelizaveta; **Koppel, Ott** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International

Conference on Interactive Collaborative Learning (ICL2020). Vol. 2 2021 / p. 277-288 https://doi.org/10.1007/978-3-030-68201-9_29 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ocean acidification research in Estonia: challenges and opportunities

Pajusalu, Liina; Dupont, Sam; **Lainela, Silvie**; Martin, Georg Proceedings of the Estonian Academy of Sciences 2019 / p. 22–31 : ill

<https://doi.org/10.3176/proc.2019.1.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-22-31.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Office building tenants' electricity use model for building performance simulations

Ferrantelli, Andrea; **Kuivjõgi, Helena**; **Kurnitski, Jarek**; **Thalfeldt, Martin** Energies 2020 / art. 5541

<https://doi.org/10.3390/en13215541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain

Ordóñez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos Energy 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil spill detection using fluorometric sensors : laboratory validation and implementation to a ferryBox and a moored SmartBuoy

Pärt, Siim; Kankaanpää, Harri; **Björkqvist, Jan-Victor**; **Uiboupin, Rivo** Frontiers in marine science 2021 / art. 778136 : ill

<https://doi.org/10.3389/fmars.2021.778136> <https://www.frontiersin.org/articles/10.3389/fmars.2021.778136/full> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On finding model smells based on code smells

Eessaar, Erki; **Käosaar, Ege** Software Engineering and Algorithms in Intelligent Systems : Proceedings of 7th Computer Science

On-line Conference 2018, Vol. 1 2019 / p. 269-281 https://doi.org/10.1007/978-3-319-91186-1_28 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On mechanisms of electromechanophysiological interactions between the components of signals in axons

Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** Proceedings of the Estonian Academy of Sciences 2020 / p. 81–96 : ill

<https://doi.org/10.3176/proc.2020.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On requirements for event processing network models using business event modeling notation

Koschel, Arne; **Astrova, Irina**; Kobert, Sebastian; Naumann, Jan; Ruhe, Tobias; Starodubtsev, Oleg Intelligent Computing :

Proceedings of the 2018 Computing Conference. Volume 1 Intelligent Computing 2019 / p. 756-762 https://doi.org/10.1007/978-3-030-01174-1_57 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On research challenges in hybrid medium-access control protocols for IEEE 802.15.6 WBANs

Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; **Moullec, Yannick Le**; **Alam, Muhammad Mahtab** IEEE

Sensors Journal 2019 / p. 8543 - 8555 <https://doi.org/10.1109/JSEN.2018.2883786> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On Rogosinski-type approximation processes in Banach space using the framework of the cosine operator function

Kivinukk, Andi; **Saksa, Anna** Mathematical Foundations of Computing 2022 / p. 197-218 <https://doi.org/10.3934/mfc.2021030> [Journal metrics at Scopus](#) [Article at Scopus](#)

On testing microservice systems

Koschel, Arne; **Astrova, Irina**; Bartels, Mirco; Helmers, Mark; Lyko, Marcel Proceedings of the Future Technologies Conference

(FTC) 2020 ; vol. 3 2021 / p. 597–609 https://doi.org/10.1007/978-3-030-63092-8_40 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On the application of 2D discrete spectral analysis in case of the KP equation

Salupere, Andrus; **Ratas, Mart** Mechanics research communications 2018 / p. 141-147 : ill

<https://doi.org/10.1016/j.mechrescom.2017.08.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the complexity of signal propagation in nerve fibres

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert; Laasmaa, Martin; Vendelin, Marko Proceedings of the Estonian Academy of Sciences 2018 / p. 28-38 : ill <https://doi.org/10.3176/proc.2017.4.28> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the concept of flexibility in electrical power systems : signs of inflexibility

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 17-26 https://doi.org/10.1007/978-981-15-4627-3_2 [Journal metrics at Scopus](#) [Article at Scopus](#)

On the design of base tables in the SQL databases of some existing software

Eessaar, Erki Software engineering perspectives in systems : proceedings of 11th Computer Science On-line Conference 2022, Vol. 1 2022 / p. 309-324 https://doi.org/10.1007/978-3-031-09070-7_26 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On the finiteness of accessibility test for nonlinear discrete-time systems

Sarafrazi, Mohammad Amin; Pawluszewicz, Ewa; Bartosiewicz, Zbigniew; Kotta, Ülle International journal of control 2021 / p. 2330-2336 <https://doi.org/10.1080/00207179.2019.1706102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of modelling a weld effect when optimizing thin-walled structures for crashworthiness

Berntsson, K.; Kõrgesaar, Mihkel; Goncalves, B.; Romanoff, Jani The 29th International Ocean and Polar Engineering Conference : 16-21 June 2019, Honolulu, Hawaii, USA 2019 / ISOPE-I-19-316, 8 p [On the influence of modelling...](#) [Conference proceedings at Scopus](#) [Article at Scopus](#)

On the properties of forward and backward shifts of vector fields

Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle; Mullari, Tanel; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2022 / p. 314-325 <https://doi.org/10.3176/proc.2022.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the regulatory framework for last-mile delivery robots

Hoffmann, Thomas; Prause, Gunnar Klaus Machines 2018 / art. 33, 16 p <https://doi.org/10.3390/machines6030033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the selection of excitation signals for the fast spectroscopy of electrical bioimpedance

Ojarand, Jaan; Min, Mart Journal of electrical bioimpedance 2018 / p. 133-141 : ill <https://doi.org/10.2478/joeb-2018-0018> [Journal metrics at Scopus](#) [Article at Scopus](#)

On the specific role of electronic document and record management systems in enterprise integration

Pappel, Ingrid; Butt, Sidra Azmat; Pappel, Ingmar; Draheim, Dirk Proceedings of Fifth International Congress on Information and Communication Technology : ICICT 2020, London ; 2 2021 / p 37-51 https://doi.org/10.1007/978-981-15-5859-7_3 [Article collection metrics at Scopus](#) [Article at Scopus](#)

On the stopping criteria in nonlinear unknown input observability condition

Sarafrazi, Mohammad Amin; Kotta, Ülle; Bartosiewicz, Zbigniew IEEE transactions on automatic control 2022 / p. 4733-4737 <https://doi.org/10.1109/TAC.2022.3160133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the wave dispersion in microstructured solids

Berezovski, Arkadi; Yildizdag, M. Erden; Scerrato, Daria Continuum mechanics and thermodynamics 2020 / p. 569-588 <https://doi.org/10.1007/s00161-018-0683-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Online detection of out-of-step condition using PMU-determined system impedances

Tealane, Marko; Kilter, Jako; Popov, Marjan; Bagleybter, Oleg; Klaar, Danny IEEE Access 2022 / p. 14807-14818 <https://doi.org/10.1109/ACCESS.2022.3149103> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Online urea concentration estimation from spent dialysate using optical sensor

Pilt, Kristjan; Arund, Jürgen; Adoberg, Annika; Leis, Liisi; Luman, Merike; Fridolin, Ivo XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26-28, 2019, Coimbra, Portugal 2020 / p. 1459-1464 https://doi.org/10.1007/978-3-030-31635-8_180 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Open source dataset generator for power quality disturbances with deep-learning reference classifiers

Machlev, Ram; Chachkes, A.; Belikov, Juri; Beck, Yuval; Levron, Yoash Electric power systems research 2021 / art. 107152, 7 p. : ill <https://doi.org/10.1016/j.epsr.2021.107152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An open surface drifter for river flow field characterization

Fuentes-Pérez, Juan Francisco; Sanz-Ronda, Francisco Javier; Tuhtan, Jeffrey Andrew Sensors 2022 / art. nr. 9918

Operation and design of series-resonant current-source full-bridge dc-dc converter

Verbytskyi, Ievgen; **Blinov, Andrei; Vinnikov, Dmitri**; Pefitsis, Dimosthenis IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / 6 p. : <https://doi.org/10.1109/IECON48115.2021.9589548> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Operation optimization of an integrated energy service provider with ancillary service provision

Lai, Xinyi; Xie, Zhihan; Xu, Danlu; Ying, Shuyang; Zeng, Yiming; Jiang, Chenwei; Wang, Fei; **Wen, Fushuan; Palu, Ivo** Energies 2022 / art. 4376, 15 p. : ill <https://doi.org/10.3390/en15124376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; **Kallaste, Ants**; Cardoso, Antonio J. Marques; **Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / art. 9364970, p. 36368-36381 : ill <https://doi.org/10.1109/ACCESS.2021.3062618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical and photoelectric properties of nanolamellar structures obtained by thermal annealing of InSe plates in Zn vapours

Untila, Dumitru; Evtodiev, Igor; Caraman, Iuliana; **Spalatu, Nicolae**; Dmitroglou, Liliana; Caraman, Mihail Physica status solidi (a) : applications and materials science 2018 / art. 1700434, p. 1-7 : ill <https://doi.org/10.1002/pssa.201700434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical detection methods for high-throughput fluorescent droplet microflow cytometry

Pärnamets, Kaiser; Pardy, Tamas; Koel, Ants; Rang, Toomas; Scheler, Ott; Le Moullec, Yannick; Afrin, Fariha Micromachines 2021 / art. 345, 20 p. : ill <https://doi.org/10.3390/mi12030345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal control of automatic manipulator for elimination of galvanic line load oscillation

Autsou, Siarhei; **Rassõlkin, Anton; Vaimann, Toomas; Demidova, Galina**; Saroka, Viktor; Karpovich, Dzmitry; **Kallaste, Ants** Periodica polytechnica electrical engineering and computer science 2021 / 15 p. : ill <https://doi.org/10.3311/PPee.15893> [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimal control of Lossy energy storage systems with nonlinear efficiency based on dynamic programming and Pontryagin's minimum principle

Chowdhury, Nilanjan Roy; Ofir, Ron; Zargari, Noa; Baimel, Dmitry; **Belikov, Juri**; Levron, Yoash IEEE transactions on energy conversion 2021 / p. 524-533 <https://doi.org/10.1109/TEC.2020.3004191> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal coupling coefficient calculation for inductances in interleaved bidirectional DC-DC converters

Tytelmaier, Kostiantyn; Husev, Oleksandr; Veligorskyi, Oleksandr; Khomenko, Maksym; Maladyka, D. Technical Electrodynamics 2018 / p. 41-46 <https://doi.org/10.15407/techned2018.04.041> [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimal rotating receiver angles estimation for multicoil dynamic wireless power transfer

Pakhaliuk, Bohdan; Shevchenko, Viktor; Mućko, Jan; **Husev, Oleksandr**; Lukianov, Mykola; Kołodziejek, Piotr; Strzelecka, Natalia; Strzelecki, Ryszard Energies 2021 / art. 6144, 15 p. : ill <https://doi.org/10.3390/en14196144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal scheduling of HVACs in islanded residential microgrids to reduce BESS size considering effect of discharge duration on voltage and capacity of battery cells

Sanjareh, Mehrdad Bagheri; Nazari, Mohammad Hassan; Gharehpetian, Gevork B.; **Ahmadihangar, Roya; Rosin, Argo** Sustainable Energy, Grids and Networks 2021 / art. 100424 <https://doi.org/10.1016/j.segan.2020.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal ultra-local model control integrated with load frequency control of renewable energy sources based microgrids

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii**; Jurado, Francisco; Rihan, Mahmoud Energies 2022 / art. 9177 <https://doi.org/10.3390/en15239177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimisation of decision-making process in industrial robot selection

Kangru, Tavo; Riives, Jüri; Otto, Tauno; Kuts, Vladimir; Moor, Madis Journal of the machine engineering 2020 / p. 70-81 <https://doi.org/10.36897/jme/117788> [Journal metrics at scopus](#) [Article at Scopus](#)

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties

Küünal, Siim; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima; Rauwel, Erwan** IOP Conference

Optimization and implementation of the proportional-resonant controller for grid-connected inverter with significant computation delay

Husev, Oleksandr; Roncero-Clemente, Carlos; **Makovenko, Elena;** Pires Pimentel, Sergio; Vinnikov, Dmitri; Martins, Joao IEEE transactions on industrial electronics 2020 / p. 1201 –1211 <https://doi.org/10.1109/TIE.2019.2898616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of a 3D-printed permanent magnet coupling using genetic algorithm and Taguchi method

Andriushchenko, Ekaterina; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton; Heidari, Hamidreza; Tiismus, Hans Electronics 2021 / art. 494, 16 p. : ill <https://doi.org/10.3390/electronics10040494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of enterprise analysis model for KPI selection

Kaganski, Sergei; Eerme, Martin; Tungal, Ernst Proceedings of the Estonian Academy of Sciences 2019 / p. 371–375 : ill http://www.kirj.ee/32654/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of La_{0.2}Sr_{0.7}- xCa xTi_{0.95}Fe_{0.05}O₃-δfuel electrode stoichiometry for solid oxide fuel-cell application

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga;** Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 <https://doi.org/10.1021/acsaem.2c01808> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of mode in distribution electrical grid by using renewable energy sources for rural energy supply

Shokolakova, S.; Keshuov, S.A.; Saukhimov, A.A.; **Šuvalova, Jelena** International journal of mechanical engineering and technology 2018 / p. 1396–1404 https://www.iaeme.com/MasterAdmin/uploadfolder/IJMET_09_07_149/IJMET_09_07_149.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimization of physical activity recognition for real-time wearable systems : effect of window length, sampling frequency and number of features

Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert Applied sciences 2019 / art. 4833, 14 p. : ill <https://doi.org/10.3390/app9224833> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of radiators, underfloor and ceiling heater towards the definition of a reference ideal heater for energy efficient buildings

Ferrantelli, Andrea; Vösa, Karl-Villem; Kurnitski, Jarek Applied sciences 2018 / art. 2477, 22 p. : ill <https://doi.org/10.3390/app8122477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of renewable energy for buildings with energy storages and 15-minute power balance

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An optimized metamodel for predicting damage and oil outflow in tanker collision accidents

Das, Tanmoy; Goerlandt, Floris; **Tabri, Kristjan** Proceedings of the institution of mechanical engineers, part M: journal of engineering for the maritime environment 2022 / 14 p. : ill <https://doi.org/10.1177/14750902211039659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimized vibro-acoustic design of suspended glass panels

Aiello, Robert; **Auriemma, Fabio** Structural and multidisciplinary optimization 2018 / p. 2253–2268 : ill <https://doi.org/10.1007/s00158-018-2014-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimizing the processing of shellfish (Mytilus edulis and M. trossulus Hybrid) biomass cultivated in the Low Salinity Region of the Baltic Sea for the extraction of meat and proteins

Adler, Indrek; Kotta, Jonne; Tuvikene, Rando; Kaldre, Katrin Applied sciences 2022 / art. 5163, 11 p. : ill <https://doi.org/10.3390/app12105163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimum electromagnetic modelling of RF MEMS switches

Ziko, Mehadi Hasan; Koel, Ants Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 46-50 : ill <https://doi.org/10.5755/j01.eie.24.5.21842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Origin of photoluminescence from antimony selenide

Grossberg, Maarja; Volobujeva, Olga; Penežko, Aleksei; Kaupmees, Reelika; Raadik, Taavi; Krustok, Jüri Journal of alloys and compounds 2020 / art. 152716, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Orthogonal interpolation method for order reduction of a synchronous machine model

Far, Mehrnaz Farzam; Martin, Florian; **Belahcen, Anouar**; Montier, Laurent; Henneron, Thomas IEEE transactions on magnetics 2018 / 8100506, p. 1-6 : ill <https://doi.org/10.1109/TMAG.2017.2768328> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Our Journal is entering into its second decade

Min, Mart Journal of electrical bioimpedance 2019 / p. 1 <https://doi.org/10.2478/joeb-2019-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Out-of-step protection based on discrete angle derivatives

Tealane, Marko; Kilter, Jako; Bagleybter, Oleg; Heimisson, Birkir; Popov, Marjan IEEE Access 2022 / p. 78290-78305 <https://doi.org/10.1109/ACCESS.2022.3193390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Overheating risk and energy demand of nordic old and new apartment buildings during average and extreme weather conditions under a changing climate

Farahani, Azin Velashjerdi; **Jokisalo, Juha**; Korhonen, Natalia; Jylhä, Kirsti; Ruosteenoja, Kimmo; **Kosonen, Risto** Applied sciences 2021 / art. 3972, 25 p. : ill <https://doi.org/10.3390/app11093972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview and comprehensive comparative evaluation of constant-frequency voltage buck control methods for series resonant DC–DC converters

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri; Bakeer, Abualkasim Ahmed Ali IEEE Open Journal of the Industrial Electronics Society 2021 / p. 65 - 79 <https://doi.org/10.1109/OJIES.2020.3048003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe

Attia, Shady; **Kurnitski, Jarek**; Kosin, Piotr; Borodinecs, Anatolijs; Belafi, Zsafia Deme; Istvan, Kistelegdi; Krstic, Hrvoje; Moldovan, Macedon; Visa, Ion; Mihailov, Nicolay Energy and buildings 2022 / art. 112165 <https://doi.org/10.1016/j.enbuild.2022.112165> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview of lifetime management of power electronic converters

Rahimpour, Saeed; Tarzamni, Hadi; Vosoughi Kurdkandi, Naser; Husev, Oleksandr; Vinnikov, Dmitri; Tahami, Farzad IEEE Access 2022 / p. 109688-109711 <https://doi.org/10.1109/ACCESS.2022.3214320> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview of the problems posed by plastic products and the role of extended producer responsibility in Europe

Leal Filho, Walter; **lital, Arvo**; Moora, Harri; **Klõga, Marija**; Voronova, Viktoria Journal of cleaner production 2019 / p. 550-558 <https://doi.org/10.1016/j.jclepro.2018.12.256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density

Tikker, Priit; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103466, 5 p. : ill <https://doi.org/10.1016/j.elstat.2020.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of aqueous bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification

Tikker, Priit; Nikitin, Dmitri; **Preis, Sergei** The chemical engineering journal 2022 / art. 135602 <https://doi.org/10.1016/j.ccej.2022.135602> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge affected by sodium dodecyl sulphate: Explanation of variability

Onga, Liina; Boroznjak, Roman; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103581, 6 p <https://doi.org/10.1016/j.elstat.2021.103581> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement

Onga, Liina; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103420, 5 p. : ill <https://doi.org/10.1016/j.elstat.2020.103420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge

Derevshchikov, Vladimir; Dulova, Niina; **Preis, Sergei** Journal of electrostatics 2021 / art. 103567, 9 p.: ill <https://doi.org/10.1016/j.elstat.2021.103567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A parallel estimation system of stator resistance and rotor speed for active disturbance rejection control of six-phase induction motor

Heidari, Hamidreza; **Rassölkin, Anton**; Holakooie, Mohammad Hosein; **Vaimann, Toomas**; **Kallaste, Ants**; **Belahcen, Anouar**; Lukichev, Dmitry Energies 2020 / 17 p <https://doi.org/10.3390/en13051121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parallel pseudo-exhaustive testing of array multipliers with data-controlled segmentation

Oyeniran, Adeboye Stephen; Azad, Siavoosh Payandeh; Ubar, Raimund-Johannes 2018 IEEE International Symposium on Circuits and Systems (ISCAS) : 27-30 May 2018, Florence, Italy : proceedings 2018 / 5 p.: ill
<https://doi.org/10.1109/ISCAS.2018.8350936> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method

Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parametric digital twin of autonomous electric vehicle transmission

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants; Partyshev, Andriy Journal of machine engineering 2021 / p. 5–14 <https://doi.org/10.36897/jme/134435> [Journal metrics at Scopus](#) [Article at Scopus](#)

Pathway analysis of a zero-emission transition in the Nordic-Baltic region

Lund, Peter D.; Skytte, Klaus; Bolwig, Simon; Bolkesjö, Torjus Folsland; **Koduvere, Hardi** Energies 2019 / art. 3337, 20 p. : ill
<https://doi.org/10.3390/en12173337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Patient access to electronic health records : differences across ten countries

Essen, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; Koskinen, Jani; **Ross, Peeter** Health policy and technology 2018 / p. 44–56 <https://doi.org/10.1016/j.hlpt.2017.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pavement distress detection with deep learning using the orthoframes acquired by a mobile mapping system

Riid, Andri; Lõuk, Roland; Pihlak, Rene; Tepljakov, Aleksei; Vassiljeva, Kristina Applied sciences 2019 / art. 4829, 22 p. : ill
<https://doi.org/10.3390/app9224829> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A PD-type iterative learning algorithm for semi-linear distributed parameter systems with sensors/actuators

Zhang, Jianxiang; Cui, Baotong; Jiang, Zhengxian; **Chen, Juan** IEEE Access 2019 / p. 159037-159047 : ill
<https://doi.org/10.1109/ACCESS.2019.2950456> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Peculiarities of microstructure evolution and property changes of titanium alloys in situ during electric forging

Kommel, Lembit Materials performance and characterization 2020 / p. 75–88 : ill <https://doi.org/10.1520/MPC20190109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance assessment of TSO-DSO using volt-var control at smart-inverters : case of Vestfold and Telemark in Norway

Astapov, Victor; Trashchenkov, Sergei; Gonzalez-Longatt, Francisco; Topic, Danijel International journal of electrical and computer engineering system 2022 / p. 48-61 <https://doi.org/10.32985/ijeces.13.1.6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance assessment of ventilative and radiant cooling systems in office buildings during extreme weather conditions under a changing climate

Velashjerdi Farahani, Azin; **Jokisalo, Juha; Korhonen, Natalia; Jylhä, Kirsti; Kosonen, Risto; Lestinen, Sami** Journal of building engineering 2022 / art. 104951, 22 p. : ill <https://doi.org/10.1016/j.jobe.2022.104951> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance benchmarking of NewSQL databases with Yahoo cloud serving benchmark

Astrova, Irina; Koschel, Arne; Wellermann, Nils; Klostermeyer, Philip Proceedings of the Future Technologies Conference (FTC) 2020 ; vol. 2 2021 / p. 271-281 https://doi.org/10.1007/978-3-030-63089-8_17 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables

Shafiq, Muhammad; **Kiitam, Ivar; Kauhaniemi, Kimmo; Taklaja, Paul; Kütt, Lauri; Palu, Ivo** Energies 2020 / art. 4272, 14 p. : ill
<https://doi.org/10.3390/en13164272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Performance evaluation concept for production systems in an SME network

Mahmood, Kashif; Lanz, Minna; Toivonen, Ville; Otto, Tauno Procedia CIRP 2018 / p. 603-608 : ill
<https://doi.org/10.1016/j.procir.2018.03.182> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance evaluation of the universal photovoltaic string converter during the operation in DC microgrid environment

Matiushkin, Oleksandr; Vinnikov, Dmitri; Husev, Oleksandr IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 2021 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589473> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance improvement of decision tree : a robust classifier using tabu search algorithm

Hafeez, Muhammad Asfand; Rashid, Muhammad; Tariq, Hassan; **Abideen, Zain Ul; Alotaibi, Saud S.; Sinky, Mohammed H.** Applied Sciences (Switzerland) 2021 / art. 6728 <https://doi.org/10.3390/app11156728> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[metrics at WOS](#) [Article at WOS](#)

Performance improvement of PWM control methods for voltage step-down in series resonant DC–DC converters

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri Energies 2020 / art. en13174569 ; 18 p <https://doi.org/10.3390/en13174569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of additive manufactured stacks in a small scale thermoacoustic heat engine

Auriemma, Fabio; Holovenko, Yaroslav SAE Technical Papers 2019 / 2019-01-1534, 10 p. : ill <https://doi.org/10.4271/2019-01-1534> [Journal metrics at Scopus](#) [Article at Scopus](#)

Performance of Al₂O₃-cBN materials and the perspective of using hyperspectral imaging during cutting tests

Antonov, Maksim; Zahavi, Ali; Kumar, Rahul, 1993-; Tamre, Mart; Klimczyk, Piotr Proceedings of the Estonian Academy of Sciences 2021 / p. 524-532 : ill <https://doi.org/10.3176/proc.2021.4.21> [Journal Metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of modern passive stack ventilation in a retrofitted Nordic apartment building

Kravchenko, Iliia; Kosonen, Risto; Jokisalo, Juha; Kilpeläinen, Simo Buildings 2022 / art. 96, 27 p. : ill <https://doi.org/10.3390/buildings12020096> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of polyimide and PTFE based composites under sliding, erosive and high stress abrasive conditions

Kumar, Rahul, 1993-; Malaval, Bastien; Antonov, Maksim; Zhaoc, Gai Tribology international 2020 / art. 106282 <https://doi.org/10.1016/j.triboint.2020.106282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance prediction of a Hard-Chine Planing Hull by employing different CFD models

Hosseini, Azim; Tavakoli, Sasan; Dashtimanesh, Abbas; Sahoo, Prasanta K.; Kõrgesaar, Mihkel Journal of marine science and engineering 2021 / art. 481, 26 p. : ill <https://doi.org/10.3390/jmse9050481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Perspectives of metal-diamond composites additive manufacturing using SLM-SPS and other techniques for increased wear-impact resistance

Rahmani Ahranjani, Ramin; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss International journal of refractory metals and hard materials 2020 / art. 105192, 13 p. : ill <https://doi.org/10.1016/j.ijrmhm.2020.105192> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water

Nikitin, Dmitri; Balpreet Kaur; Preis, Sergei; Dulova, Niina Process Safety and Environmental Protection 2022 / p. 22-30 <https://doi.org/10.1016/j.psep.2022.07.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase, microstructure, and wear behavior of Al₂O₃-reinforced Fe–Si alloy-based metal matrix nanocomposites

Saxena, Akash; Singh, Neera; Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials design and applications 2020 / art. 146442071989338, p. 467-480 <https://doi.org/10.1177/1464420719893387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoluminescence study of deep donor- deep acceptor pairs in Cu₂ZnSnS₄

Krustok, Jüri; Raadik, Taavi; Grossberg, Maarja; Kauk-Kuusik, Marit; Trifiletti, V.; Binetti, S. Materials science in semiconductor processing 2018 / p. 52-55 : ill <https://doi.org/10.1016/j.mssp.2018.02.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoreflectance and photoluminescence study of antimony selenide crystals

Kondrotas, Rokas; Nedzinskas, Ramunas; Krustok, Jüri; Grossberg-Kuusk, Maarja; Talaikis, Martynas; Tumėnas, Saulius; Suchodolskis, Arturas; Žaltauskas, Raimundas; Sereika, Raimundas ACS Applied Energy Materials 2022 / p. 14769-14778 <https://doi.org/10.1021/acsaem.2c02131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

Photovoltaic energy yield improvement in two-stage solar microinverters

Chub, Andrii; Vinnikov, Dmitri; Stepenko, Serhii; Liivik, Elizaveta; Blaabjerg, Frede Energies 2019 / art. 3774, 17 p. : ill <https://doi.org/10.3390/en12193774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photovoltaic module and submodule level power electronics and control

Spagnuolo, Giovanni; Kouro, Samir; Vinnikov, Dmitri IEEE Transactions on Industrial Electronics 2019 / p. 3856 - 3859 <https://doi.org/10.1109/TIE.2018.2883187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Physical confinement impacts cellular phenotypes within living materials

Priks, Hans; Butelmann, Tobias; Illarionov, Aleksandr; Johnston, Trevor G.; Fellin, Christopher; Tamm, Tarmo; Nelson, Alshakim; Kumar, Rahul, 1978-; Lahtvee, Petri-Jaan ACS Applied Bio Materials 2020 / p. 4273 - 4281 <https://doi.org/10.1021/acsaem.0c00335> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Physics based compressive sensing to enable digital twins of additive manufacturing processes

Lu, Yanglong; Ševtšenko, Eduard; Wang, Yan Journal of computing and information science in engineering 2021 / 031009, 30 p
<https://doi.org/10.1115/1.4050377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

PI parameter influence on underfloor heating energy consumption and setpoint tracking in nZEBs

Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek Energies 2020 / art. 2068, 20 p. : ill <https://doi.org/10.3390/en13082068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pilot study for estimating physical fatigue based on heart rate variability and reaction time

Allik, Ardo; Pilt, Kristjan; Viigimäe, Moonika; Fridolin, Ivo XV Mediterranean Conference on Medical and Biological Engineering and Computing -MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 193-200
https://doi.org/10.1007/978-3-030-31635-8_23 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Plastic deformation mechanisms in severely strained eutectic high entropy composites explained via strain rate sensitivity and activation volume

Maity, Tapabrata; Prashanth, Konda Gokuldoss; Balci, Özge; Wang, Zhi; Jia, Yandong; Eckert, Juergen H. Composites Part B: Engineering 2018 / p. 7-13 <https://doi.org/10.1016/j.compositesb.2018.05.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Popov form and the explicit equations of inverse systems

Bartosiewicz, Zbigniew; Kotta, Ülle; Pawluszewicz, Ewa; Tönso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2018 / p. 432-355 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-342-355.pdf
<https://doi.org/10.3176/proc.2018.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Porous cores in small thermoacoustic devices for building applications

Auriemma, Fabio; Di Giulio, Elio; Napolitano, Marialuisa; Dragonetti, Raffaele Energies 2020 / art. 2941, 19 p. : ill
<https://doi.org/10.3390/en13112941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Positioning error correction of autonomously movable robot arm

Vaher, Kristo; Otto, Tauno; Riives, Jüri Journal of the machine engineering 2020 / p. 152-160 : ill <https://doi.org/10.36897/jme/129013>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Positive pressure effect on moisture performance in a school building

Ferrantelli, Andrea; Vornanen-Winqvist, Camilla; Mattila, Milla; Salonen, Heidi; Kurnitski, Jarek Journal of building physics 2019 / p. 121-142 : ill <https://doi.org/10.1177/1744259119837144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Powder metallurgy of Al0.1CoCrFeNi high-entropy alloy

Sokkalingam, Rathinavelu; Tarraste, Marek; Surreddi, Kumar Babu; Mikli, Valdek; Muthupandi, Veerappan; Sivaprasad, Katakam; Prashanth, Konda Gokuldoss Journal of materials research 2020 / p. 2835–2847 <https://doi.org/10.1557/jmr.2020.272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power converter solutions for industrial PV applications — a review

Verbytskyi, Ievgen; Lukianov, Mykola; Nassereddine, Kawsar; Pakhaliuk, Bohdan; Husev, Oleksandr; Strzelecki, Ryszard Energies 2022 / art. 3295 <https://doi.org/10.3390/en15093295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power plant fuel consumption rate during load cycling

Nešumajev, Dmitri; Rummel, Leo; Konist, Alar; Ots, Arvo; Parve, Teet Applied energy 2018 / p. 124-135 : ill
<https://doi.org/10.1016/j.apenergy.2018.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

PPCSA: Partial Participation-Based Compressed and Secure Aggregation in Federated Learning

Moustafa, Ahmed; Asad, Muhammad; Shaukat, Saima; Norta, Alexander Advanced Information Networking and Applications : Proceedings of the 35th International Conference on Advanced Information Networking and Applications (AINA-2021), Volume 2 2021 / p. 345–357 https://doi.org/10.1007/978-3-030-75075-6_28 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Practical path planning techniques in overtaking for autonomous shuttles

Malayjerdi, Ehsan; Sell, Raivo; Malayjerdi, Mohsen; Udal, Andres; Bellone, Mauro Journal of field robotics 2022 / p. 410-425
<https://doi.org/10.1002/rob.22057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predicting first-year computer science students drop-out with machine learning methods: A case study

Maksimova, Natalja; Pentel, Avar; Dunajeva, Olga Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 719-726 https://doi.org/10.1007/978-3-030-68201-9_70 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Predictive control based on ranking multi-objective optimization approaches for a quasi-Z source inverter

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii**; **Vinnikov, Dmitri** CSEE journal of power and energy systems 2021 / p. 1152-1160 : ill <https://doi.org/10.17775/CSEEJPES.2020.01310> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictive smart thermostat controller for heating, ventilation, and air-conditioning systems

Soudari, Mallikarjun; **Kaparin, Vadim**; Srinivasan, Seshadhri; Seshadhri, Subathra; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2018 / p. 291-299 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_3/proc-2018-3-291-299.pdf <https://doi.org/10.3176/proc.2018.3.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)