

### **Accuracy of the Mindlin model in A0 Lamb mode scattering from partial through-thickness damage**

Lints, Martin; Ratssepp, Madis Applied Sciences (Switzerland) 2024 / art. 9351 <https://doi.org/10.3390/app14209351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Active blended learning as a tool focused on industry 5.0 at EuroTeQ Engineering University**

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard 2024 IEEE Global Engineering Education Conference (EDUCON) : proceedings 2024 / p. 1-5 <https://doi.org/10.1109/EDUCON60312.2024.10578688> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Active methods in entrepreneurship education : a case study with engineering students**

Hammoda, Basel Osama Sayed Ahmed; Winkler, Christoph European journal of engineering education 2024 / p. 1203-1226 <https://doi.org/10.1080/03043797.2024.2384893> [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 Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol**

Laadung, Taavi; Ulp, Sander; Fjodorov, Aleksei; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE Access 2023 / p. 92575-92588 <https://doi.org/10.1109/ACCESS.2023.3308696> [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](#)

### **ADAssure : debugging methodology for autonomous driving control algorithms**

Roberts, Andrew James; Heidari Iman, Mohammad Reza; Bellone, Mauro; Ghasempouri, Tara; Raik, Jaan; Maennel, Olaf Manuel; Hamad, Mohammad; Steinhorst, Sebastian 2024 Design, Automation & Test in Europe Conference & Exhibition (DATE) : proceedings 2024 / p. 1-6 <https://doi.org/10.23919/DATE58400.2024.10546519> [Journal metrics at Scopus](#) [Article at Scopus](#) [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](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](#)

### **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](#)

### **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](#)

### **Aggregator index for 24-hour energy flexibility evaluation in an ADN including PHEVs**

Rashtbaryan, A.; Gharehpetian, Gevork B.; Baghaee, H. R.; Ahmadihangar, Roya IEEE Access 2024 / p. 16105-16116 <https://doi.org/10.1109/ACCESS.2024.3353136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **AI technologies and their applications in small-scale electric power systems**

Shahid, Arqum; Plaum, Freddy; Korötko, Tarmo; Rosin, Argo IEEE Access 2024 / p. 109984-110001 <https://doi.org/10.1109/ACCESS.2024.3440067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ALD applied to conformal rare-earth coating of ZnO nanoparticles for low temperature thermal imaging applications**  
**Rauwel, Erwan**; Galeckas, Augustinas; Rauwel, Protima ECS transactions 2014 / p. 23-31 : ill <https://doi.org/10.1149/06409.0023ecst>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Algebraic formalism of differential p-forms and vector fields for nonlinear control systems on homogeneous time scales**  
Bartosiewicz, Zbigniew; **Kotta, Ülle**; Pawluszewicz, Ewa; **Tönso, Maris**; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2013 / p. 215-226 <https://doi.org/10.3176/proc.2013.4.02> [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; Mildensrey, 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](#)

**An approach to the inference of finite state machines based on a gravitationally-inspired search algorithm**  
**Spitšakova, Margarita** Proceedings of the Estonian Academy of Sciences 2013 / p. 39-46 <https://doi.org/10.3176/proc.2013.1.05>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of design requirements and optimization possibilities of partial power converter for photovoltaic string applications in DC microgrids**  
**Chub, Andrii**; Hassanpour, Naser; Yadav, Neelesh; Jalakas, Tanel; Blinov, Andrei; Vinnikov, Dmitri IEEE Access 2024 / p. 14605-14619 <https://doi.org/10.1109/ACCESS.2024.3354375> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 ship wake transformation in the coastal zone using time-frequency methods**  
**Torsvik, Tomas**; Hermann, Heiko; Didenkulova, Irina; Rodin, Artem Proceedings of the Estonian Academy of Sciences 2015 / p. 379-388 : ill [https://artiklid.elnet.ee/record=b2740572\\*est](https://artiklid.elnet.ee/record=b2740572*est) <https://doi.org/10.3176/proc.2015.3S.08> [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, Hayretudin 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](#)

**Annealing effect on CdS films : transition from glass to ITO**  
**Maticiu, Natalia**; Hiie, Jaan IOP conference series : materials science and engineering 2013 / p. 1-4 : ill <https://doi.org/10.1088/1757-899X/49/1/012061> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Antibiotic-imprinted polymer films prepared by electrochemical approach : towards the development of a label-free chemical sensor**  
**Ayankojo, Akinrinade George**; Sõritski, Vitali; Tretjakov, Aleksei; Reut, Jekaterina; Öpik, Andres Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 38  
[https://www.researchgate.net/publication/290190469\\_Antibiotic-imprinted\\_polymer\\_films\\_prepared\\_by\\_electrochemical\\_approach\\_towards\\_the\\_development\\_of\\_a\\_label-free\\_chemical\\_sensor](https://www.researchgate.net/publication/290190469_Antibiotic-imprinted_polymer_films_prepared_by_electrochemical_approach_towards_the_development_of_a_label-free_chemical_sensor) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**The applicability of sulfoxide Michael acceptor - 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one in constructing the carbon skeleton of 9,11-secoosterols**  
**Rõuk, Kristi**; Kõllo, Marek; Järving, Ivar; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2024 / p. 223-227 : ill <https://doi.org/10.3176/proc.2024.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of artificial neural networks to model the interaction between T-cells and B-cells and their equivalent impedance of the linearized model**  
**Giannoukos, Georgios**; Min, Mart Journal of computational methods in sciences and engineering 2015 / p. 295-302  
<https://doi.org/10.3233/JCM-150544> [Journal metrics at Scopus](#) [Article at Scopus](#)

**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 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](#)

**Application of the improved method of grids with the estimation of accuracy**

Gornostajev, Dmitri; Arjassov, Gennadi; Baraškova, Tatjana; Žigailov, Sergei Procedia engineering 2014 / p. 1443-1448 : ill <https://doi.org/10.1016/j.proeng.2014.03.140> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](https://doi.org/10.1007/978-3-030-68150-0_7) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Applying RIS-based communication for collaborative computing in a swarm of drones**

Rahbari, Dadmehr; Alam, Muhammad Mahtab; Le Moullec, Yannick; Jenihhin, Maksim IEEE Access 2023 / p. 70093-70109 <https://doi.org/10.1109/ACCESS.2023.3293737> [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](#)

**Artificial Intelligence in the hierarchical control of ac, dc and hybrid ac/dc microgrids : A review**

Gutiérrez-Escalona, J.; Roncero-Clemente, C.; Husev, Oleksandr; Matiushkin, Oleksandr; Blaabjerg, Frede IEEE Access 2024 / p. 157227-157246 <https://doi.org/10.1109/ACCESS.2024.3486382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ARTmine : automatic association rule mining with temporal behavior for hardware verification**

Heidari Iman, Mohammad Reza; Jervan, Gert; Ghasempouri, Tara 2024 Design, Automation & Test in Europe Conference & Exhibition (DATE) : Valencia, Spain, 25-27 March 2024 : proceedings 2024 / p. 1-6 : ill <https://ieeexplore.ieee.org/document/10546742> <https://doi.org/10.23919/DATE58400.2024.10546742> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Assemblage of turbulent jet flows through static particulate media**

Lauk, Peep; Rebassa, Josep Hueso; Kartušinski, Aleksander; Tisler, Sergei; Tähemaa, Toivo; Polonsky, Andrei Proceedings of the Estonian Academy of Sciences 2016 / p. 284-296 : ill <https://doi.org/10.3176/proc.2016.3.05> [https://artiklid.elnet.ee/record=b2798402\\*est](https://artiklid.elnet.ee/record=b2798402*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessing engineering students' attitudes towards corporate social responsibility principles**

Saari, Ulla A.; Ojasoo, Merle; Venesaar, Urve; Puhakka, Ilmari; Nokelainen, Petri; Mäkinen, Saku J. European journal of engineering education 2024 / p. 492-513 <https://doi.org/10.1080/03043797.2023.2299731> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of landfill wastewater pollutants and efficiency of different treatment methods**

Kuusik, Aare; Pachel, Karin; Kuusik, Argo; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2016 / p. 452-471 : ill <https://doi.org/10.3176/proc.2016.4.10> [https://artiklid.elnet.ee/record=b2808652\\*est](https://artiklid.elnet.ee/record=b2808652*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Automatic calibration toolbox for SWMM5**

Vassiljev, Anatoli; Suits, Kristjan; Kaur, Katrin; Kändler, Nils; Truu, Murel; Annus, Ivar Advances in engineering software 2023 / art. 103528 <https://doi.org/10.1016/j.advengsoft.2023.103528> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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-Miralles, 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 mobile robots for production logistics: a process optimization model modification**

Raamets, Tõnis; Majak, Jüri; Karjust, Kristo; Mahmood, Kashif; Hermaste, Aigar Proceedings of the Estonian Academy of Sciences 2024 / p. 134-141 : ill <https://doi.org/10.3176/proc.2024.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

### Background leakage assessment for BBLAWN

Vassiljev, Anatoli; Koppel, Tiit; Puust, Raido Procedia engineering 2014 / p. 111-117 : ill

<https://doi.org/10.1016/j.proeng.2014.11.166> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Bandgap dynamics in locally resonant metastructures : a general theory of internal resonator coupling

Alimohammadi, Hossein; Vassiljeva, Kristina; Hosseinia Kani, Seyed Hassan; Petlenkov, Eduard Applied Sciences

(Switzerland) 2024 / art. 2447 <https://doi.org/10.3390/app14062447> [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](#)

### 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](#)

### 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](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](#)

### 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](#)

### 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](#)

### 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](http://www.kirj.ee/33035/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Business opportunities for a ground effect vehicle - case of Canary Islands

Otsason, Riina; Hilmola, Olli-Pekka Kristian; Tapaninen, Ulla; Tovar, Beatriz Transport and Telecommunication 2024 / p. 473 -

482 <https://doi.org/10.2478/tjt-2024-0034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### 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](http://www.iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_6/IJARET_11_06_017.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

### Calculation method for optimization of barge hull

Gornostajev, Dmitri; Arjassov, Gennadi; Penkov, Igor International review of mechanical engineering (IREME) 2016 / p. 115-124 :

ill <https://doi.org/10.15866/ireme.v10i2.8351> [Journal metrics at Scopus](#) [Article at Scopus](#)

### 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](#)

### **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](#)

### **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 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](https://doi.org/10.1007/978-981-15-4627-3_1) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Characterization of Estonian honeys by botanical origin**

**Kivima, Evelin; Seiman, Andrus; Pall, Raili; Sarapuu, Evelyn; Martverk, Kaie; Laos, Katrin** Proceedings of the Estonian Academy of Sciences 2014 / p. 183-192 : ill [https://artiklid.elnet.ee/record=b2673977\\*est](https://artiklid.elnet.ee/record=b2673977*est) <https://doi.org/10.3176/proc.2014.2.08> [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](http://www.kirj.ee/33001/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chemical composition of red wines made from hybrid grape and common grape (Vitis vinifera L.) cultivars**

**Pedastsaar, Priit; Vaher, Merike; Helmja, Kati; Kulp, Maria; Kaljurand, Mihkel; Karp, Kadri; Raal, Ain; Karathanos, Vaio; Püssa, Tõnu** Proceedings of the Estonian Academy of Sciences 2014 / p. 444-453 : ill [https://artiklid.elnet.ee/record=b2707387\\*est](https://artiklid.elnet.ee/record=b2707387*est)  
<https://doi.org/10.3176/proc.2014.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chemosystematic markers for the essential oils in leaves of Mentha species cultivated or growing naturally in Estonia**

**Orav, Anne; Kapp, Karmen; Raal, Ain** Proceedings of the Estonian Academy of Sciences 2013 / p. 175-186  
[https://artiklid.elnet.ee/record=b2624901\\*est](https://artiklid.elnet.ee/record=b2624901*est) <https://doi.org/10.3176/proc.2013.3.03> [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](#)

### **A cluster of many small holes with negative imaginary surface impedances may generate a negative refraction index**

**Alsaedi, Ahmed; Ahmad, Bashir; Challa, Durga Prasad; Kirane, Mokhtar; Sini, Mourad** Mathematical methods in the applied sciences 2016 / p. 3607-3622 : ill <https://doi.org/10.1002/mma.3805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics 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](#)

### **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](#)

### **Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications**

**Jõemaa, Rauno; Gyimah, Nafisat; Ashraf, Kanwal; Pärnamets, Kaiser; Zaft, Alexander; Scheler, Ott; Rang, Toomas; Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 <https://doi.org/10.1109/ACCESS.2023.3316726> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Coherent enterprise information modeling for 5G private network feasibility**

**Jairus, Tanel; Pilvik, Riivo; Kõrbe Kaare, Kati; Sadam, Arvi; Kuhi, Kristjan** Proceedings of the Estonian Academy of Sciences 2024 / p. 100-107 <https://doi.org/10.3176/proc.2024.2.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Colorimetric determination of total phenolic contents in ionic liquid extracts by paper microzones and digital camera**

**Aid, Tiina; Kaljurand, Mihkel; Vaher, Merike** Analytical methods 2015 / p. 3193-3199 : ill <https://doi.org/10.1039/c5ay00194c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Column water vapour : an intertechnique comparison of estimation methods in Estonia**

Keernik, Hannes; Ohvri, Hanno; Jakobson, Erko; Rannat, Kalev; Luhamaa, Andres Proceedings of the Estonian Academy of Sciences 2014 / p. 37-47 : ill [https://artiklid.elnet.ee/record=b2665209\\*est](https://artiklid.elnet.ee/record=b2665209*est) <https://doi.org/10.3176/proc.2014.1.07> [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](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](#)

### **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 content and composition of essential oils of Thymus vulgaris L. from different regions of Europe**

Raal, Ain; Gontova, Tetiana; Palmeos, Maie; Orav, Anne; Sayakova, Galiya; Koshovi, Oleh Proceedings of the Estonian Academy of Sciences 2024 / p. 332-344 <https://doi.org/10.3176/proc.2024.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A comparative analysis of Fuzzy AHP and Fuzzy VIKOR methods for prioritization of the risk criteria of an autonomous vehicle system**

Mehrparvar, Marmar; Majak, Jüri; Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2024 / p. 116-123 <https://doi.org/10.3176/proc.2024.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparative analysis of zigbee based wireless sensor networks (WSNs)**

Shabbir, Noman; Hassan, Syed Rizwan; Iqbal, Muhammad Naveed; Kütt, Lauri; Unbreen, Arooj 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 analysis of telepresence robots' video performance : evaluating camera capabilities for remote teaching and learning**

Talisainen, Aleksei; Leoste, Janika; Virkus, Sirje Applied Sciences (Switzerland) 2024 / art. 233 <https://doi.org/10.3390/app14010233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparative feasibility study of partial power converter for interfacing battery energy storage into power system of future circular collider**

Chub, Andrii; Niinemägi, Joosep; Colmenero, Manuel; Aguglia, Davide Proceedings of the Estonian Academy of Sciences 2024 / p. 396-415 <https://doi.org/10.3176/proc.2024.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A comparative SEM study of ossicles in the Pleuronectiformes (Teleostei) of the Baltic Sea**

Märss, Tiit; Wilson, Mark; Lees, Janek; Saat, Toomas; Špilev, Heli Proceedings of the Estonian Academy of Sciences 2015 / p. 495-517 : ill <https://doi.org/10.3176/proc.2015.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of multifractal parameters of surface defects and non-defects**

Martsepp, Merike; Laas, Tõnu; Tökke, Siim; Priimets, Jaanis; Mikli, Valdek Proceedings of the Estonian Academy of Sciences 2023 / p. 115-127 : ill <https://doi.org/10.3176/proc.2023.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Ritasalo, Riina; Antonov, Maksim; Veinthal, Renno; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill [https://artiklid.elnet.ee/record=b2665219\\*est](https://artiklid.elnet.ee/record=b2665219*est) <https://doi.org/10.3176/proc.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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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](#)

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Zahraoui, Younes; Korötko, Tarmo; Rosin, Argo; Zidane, Tekai Eddine Khalil; Agabus, Hannes; Mekhilef, Saad IEEE Access 2024 / p. 68232-68248 <https://doi.org/10.1109/ACCESS.2024.3399168> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Drevinskas, Tomas; Maruška, Audrius; Girdauskas, Valdas; Dūda, Gediminas; **Gorbatšova, 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](#)

**Complexity in engineering and natural sciences**

**Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2015 / p. 249-255 [https://artiklid.elnet.ee/record=b2740532\\*est](https://artiklid.elnet.ee/record=b2740532*est) <https://doi.org/10.3176/proc.2015.3.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 survey on revolutionizing connectivity through artificial intelligence-enabled digital twin network in 6G**

Sheraz, Muhammad; Chuah, Teong Chee; Lee, Ying Loong; **Alam, Muhammad Mahtab**; Al-Habashna, Ala'a; Han, Zhu IEEE Access 2024 / p. 49184-49215 <https://doi.org/10.1109/ACCESS.2024.3384272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Computation of nonlinear eigenvalues based on the Ore determinant : preliminary results**

Halás, Miroslav; **Kaldmäe, Arvo; Kotta, Ülle**; Slacka, Juraj Proceedings of the Estonian Academy of Sciences 2024 / p. 366 - 378 <https://doi.org/10.3176/proc.2024.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**A concept for performance measurement and evaluation in network industries**

**Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott** Proceedings of the Estonian Academy of Sciences 2015 / p. 536-542 : ill [https://artiklid.elnet.ee/record=b2750881\\*est](https://artiklid.elnet.ee/record=b2750881*est) <https://doi.org/10.3176/proc.2015.4S.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Concept of wireless low-voltage DC socket for the residential house application**

**Shevchenko, Viktor; Husev, Oleksandr; Pakhaliuk, Bohdan; Vinnikov, Dmitri; Strzelecki, Ryszard** IEEE Access 2024 / p. 143226-143236 <https://doi.org/10.1109/ACCESS.2024.3471691> [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](#)

**Condition monitoring of a Cartesian robot with a mechanically damaged gear to create a fuzzy logic control and diagnosis algorithm**

**Autsou, Siarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** Applied sciences 2024 / art. 4241 <https://doi.org/10.3390/app14104241> [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](https://doi.org/10.1007/978-3-030-68150-0_5) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**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](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](#)

**Contribution of wave set-up into the total water level in the Tallinn area**

**Pindsoo, Katri; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 338-348 : ill [https://artiklid.elnet.ee/record=b2740558\\*est](https://artiklid.elnet.ee/record=b2740558*est) <https://doi.org/10.3176/proc.2015.3S.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Shams Ghahfarokhi, Payam**; 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](#)

#### **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](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](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](#)

#### **Data processing and performance testing of a low-cost surface drifter design for use in coastal waters**

**Torsvik, Tomas** Proceedings of the Estonian Academy of Sciences 2016 / p. 58-67 : ill <https://doi.org/10.3176/proc.2016.1.06> [https://artiklid.elnet.ee/record=b2760716\\*est](https://artiklid.elnet.ee/record=b2760716*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Koor, Margus**; Puust, Raido; Vassiljev, Anatoli Procedia engineering 2014 / p. 959-968 : ill <https://doi.org/10.1016/j.proeng.2014.02.107> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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**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](#)

#### **Deformation waves in microstructured solids and dimensionless parameters**

**Engelbrecht, Jüri**; Peets, Tanel; Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2013 / p. 109-115 : ill [https://artiklid.elnet.ee/record=b2624195\\*est](https://artiklid.elnet.ee/record=b2624195*est) <https://doi.org/10.3176/proc.2013.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Design and optimization of AlN 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](#)

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**Aksjonov, Andrei**; Augsburg, Klaus; Vodovozov, Valery Applied sciences 2016 / p. 1-18 : ill <https://doi.org/10.3390/app6120382> [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 optimization of graphene laminates for maximum fundamental frequency**

**Majak, Jüri**; Kirs, Maarjus; Eerme, Martin; Tungal, Ernst; Lepikult, Toomas Proceedings of the Estonian Academy of Sciences 2017 / p. 354-362 : ill <https://doi.org/10.3176/proc.2017.4.08> [https://artiklid.elnet.ee/record=b2830810\\*est](https://artiklid.elnet.ee/record=b2830810*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Detachable connecting fittings failure loads on plywood furniture**

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#### **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](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 of the consistency of two speech signals using pitch periods**

**Trump, Tõnu** Proceedings of the Estonian Academy of Sciences 2013 / p. 88–96 : ill <https://doi.org/10.3176/proc.2013.2.02> [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; **Shams Ghahfarokhi, Payam; 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 water distribution network resistance coefficient and hydraulic capacity**

**Vaabel, Joonas; Koppel, Tiit;** Sarv, Laur; **Annus, Ivar** Procedia engineering 2014 / p. 679–684 : ill <https://doi.org/10.1016/j.proeng.2014.11.494> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Development and study of ZnO: In optical scintillation ceramic**

Gorokhova, Elena; Eroniko, S.B.; Kulkov, A.M.; Oreshchenko, E.A.; Simonova, K.L.; Chernenko, K.A.; Venevtsev, I.D.; Rodnyi, P.A.; **Lott, Kalju;** Wiczorek, H. Journal of optical technology 2015 / p. 837–842 : ill <https://doi.org/10.1364/JOT.82.000837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Development and testing of vertical take-off and landing aerial vehicle with tandem electric ducted fan motor**

**Pütsep, Kristjan; Nerep, Tõivo; Tiismus, Hans; Rassõlkin, Anton** Proceedings of the Estonian Academy of Sciences 2023 / p. 184–193 <https://doi.org/10.3176/proc.2023.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Development of a product lifecycle management model based on the fuzzy analytic hierarchy process**

**Paavel, Marko; Karjust, Kristo; Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2017 / p. 279–286 : ill <https://doi.org/10.3176/proc.2017.3.05> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](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 of interactive monitoring system for urban environmental impact assessment of transport system**

**Pashkevich, Anton;** Beliakova, Marina; Ivanov, Alexander; **Purju, Alari** Procedia engineering 2017 / p. 42–52 : ill <https://doi.org/10.1016/j.proeng.2017.01.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Different approaches for calibration of an operational water distribution system containing old pipes**

**Annus, Ivar; Vassiljev, Anatoli** Procedia engineering 2015 / p. 526–534 : ill <https://doi.org/10.1016/j.proeng.2015.08.900> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Digital Object Memory based monitoring solutions in manufacturing processes**

**Aruväli, Tanel;** Maass, Wolfgang; Otto, Tauno Procedia engineering 2014 / p. 449–458 : ill <https://doi.org/10.1016/j.proeng.2014.03.011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **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](#)

#### **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-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 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](#)

**Disturbance decoupling by measurement feedback : sensor location**

**Kaldmäe, Arvo; Kotta, Ülle**; Shumsky, Alexey; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2016 / p. 317-329 : ill <https://doi.org/10.3176/proc.2016.4.05> [https://artiklid.elnet.ee/record=b2808632\\*est](https://artiklid.elnet.ee/record=b2808632*est) [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

**A DRL strategy for optimal resource allocation along with 3D trajectory dynamics in UAV-MEC network**

Khurshid, Tayyaba; Ahmed, Waqas; Rehan, Muhammad; Ahmad, Rizwan; **Alam, Muhammad Mahtab**; Radwan, Ayman IEEE Access 2023 / p. 54664 - 54678 <https://doi.org/10.1109/ACCESS.2023.3278591> [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](#)

**DTRON : a tool for distributed model-based testing of time critical applications**

**Anier, Aivo; Vain, Jüri; Tsiopoulos, Leonidas** Proceedings of the Estonian Academy of Sciences 2017 / p. 75-88 : ill <https://doi.org/10.3176/proc.2017.1.08> [http://www.eester.ee/record=b2355998\\*est](http://www.eester.ee/record=b2355998*est) [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](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 modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey**

Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill <https://doi.org/10.1109/ACCESS.2017.2758523> [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 flight of the fragments with higher order Haar wavelet method**

**Kivistik, Lenart; Mehrparvar, Marmar; Eerme, Martin; Majak, J** Proceedings of the Estonian Academy of Sciences 2024 / p. 108-115 <https://doi.org/10.3176/proc.2024.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Early 2015 performance in Baltic Sea ports: Forecasts of Estonian performance for entire year**

Hilmola, Olli-Pekka Kristian; **Tolli, Andres** Transport and Telecommunication 2015 / p. 183 - 189 <https://doi.org/10.1515/ttj-2015-0016>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

**ECG classification with event-driven sampling**

Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry IEEE Access 2024 / p. 25188-25199 <https://doi.org/10.1109/ACCESS.2024.3364115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Education 4.0 in higher education and computer science : a systematic review**

Rienties, Bart; Ferguson, Rebecca; Gonda, Dalibor; Hajdin, Goran; Herodotou, Christothea; Iniesto, Francisco; Llorens Garcia, Ariadna; Muccini, Henry; Sargent, Julia; **Virkus, Sirje**; Isidori, Maria Vittoria Computer Applications in Engineering Education 2023 / p. 1339 - 1357 <https://doi.org/10.1002/cae.22643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of basalt and silica additives on erosive wear resistance of cast ceramics**

**Baroninš, Janis; Antonov, Maksim; Ivanov, Roman**; Shuliak, Volodymyr; **Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2016 / p. 144-151 : ill <https://doi.org/10.3176/proc.2016.2.05> [https://artiklid.elnet.ee/record=b2768221\\*est](https://artiklid.elnet.ee/record=b2768221*est) [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 Muhmmad 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 distributed photovoltaic generation on the voltage magnitude in a self-contained power supply system**

Lukutin, Boris V.; Shandarova, Elena B.; Makarova, A.F.; Švartsman, Inna International Scientific and Practical Conference on Urgent Problems of Modern Mechanical Engineering 17–18 December 2015, Yurga, Russia 2016 / art. 012005  
<https://doi.org/10.1088/1757-899X/127/1/012005> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Effect of Zr doping on the structural and electrical properties of spray deposited TiO<sub>2</sub> 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](#)

**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](#)

**Efficiency optimization of mini unmanned multicopter**

Penkov, Igor; Aleksandrov, Dmitri International review of aerospace engineering 2017 / p. 277-281 : ill  
<https://doi.org/10.15866/irease.v10i5.12132> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Bakeer, Abualkasim Ahmed Ali; 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](#)

**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](#)

**Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation**

Kommel, Lembit; Pokatilov, Andrei IOP conference series : materials science and engineering 2014 / p. 1-7 : ill  
<https://doi.org/10.1088/1757-899X/63/1/012169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Electrification of transportation: policy framework, technical aspects and challenges in Pakistan - A case study**

Masood, Arsalan; Hassan, Syed Zulqadar; Kamal, Tariq; Khan, Salman; Rizvi, Syed Asad Abbas; Salman, Salman e-Prime - Advances in Electrical Engineering, Electronics and Energy 2024 / art. 100803, 18 p. : ill <https://doi.org/10.1016/j.prime.2024.100803>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

**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](#)

**Embedded blur-free single-image acquisition pipeline for droplet microfluidic imaging flow cytometry (IFC)**

Afrin, Fariha; Pärnamets, Kaiser; Le Moullec, Yannick; Udál, Andres; Koel, Ants; Pardy, Tamas; Rang, Toomas IEEE Access 2024 / p. 92431-92441 <https://doi.org/10.1109/ACCESS.2024.3421637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Empirical evaluation of NB-IoT and CAT-M coverage for underground water system**

Roosipuu, Priit; Annus, Ivar; Kuusik, Alar; Kändler, Nils; Alam, Muhammad Mahtab; Mürsepp, Ivo IEEE Access 2024 / p. 187290-187301 <https://doi.org/10.1109/ACCESS.2024.3478733> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy efficiency and latency optimization for IoT URLLC and mMTC use cases**

Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; Alam, Muhammad Mahtab; Zoha, Ahmed; Ahmad, Rizwan; Kuusik, Alar IEEE Access / p. 23132-23148 <https://doi.org/10.1109/ACCESS.2024.3364349> [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](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 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](#)

### **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](#)

### **Engineering students' experiences in studying entrepreneurship**

Täks, Marge; Tynjälä, Päivi; Toding, Martin; Kukemelk, Hasso; Venesaar, Urve Journal of engineering education (JEE) 2014 / p.

573-598 : ill <https://doi.org/10.1002/jee.20056> [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; Sõritski, 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 global model performance in federated learning with non-IID data using a data-free generative diffusion model**

Najafi, Mohammadreza; Daneshtalab, Masoud; Lee, Jeong-A; Saadloon, Ghazal; Shin, Seokjoo IEEE Access 2024 / p.

148230-148239 : ill <https://doi.org/10.1109/ACCESS.2024.3474056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Enhancing privacy risk modeling in practice: a case study of an e-justice system**

Gakh, Valerii; Bahsi, Hayretin; Hoffmann, Thomas; Boyarchuk, Artem; Khramov, Oleksii IEEE Access 2024 / p. 183851-183874

<https://doi.org/10.1109/ACCESS.2024.3509332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ensuring sustainability of public transport system through rational management**

Makarova, Irina; Pashkevich, Anton; Shubenkova, Ksenia Procedia engineering 2017 / p. 137-146 : ill

<https://doi.org/10.1016/j.proeng.2017.01.078> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Environment for the analysis of functional self-test quality in digital systems**

Ubar, Raimund-Johannes; Kostin, Sergei; Kruus, Helena; Aarna, Margit; Devadze, Sergei Proceedings of the Estonian

Academy of Sciences 2014 / p. 151-162 : ill [https://artiklid.elnet.ee/record=b2673964\\*est](https://artiklid.elnet.ee/record=b2673964*est) <https://doi.org/10.3176/proc.2014.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **ESTCube-1 nanosatellite for electric solar wind sail in-orbit technology demonstration**

Lätt, Silver; Slavinskis, Andris; Ilbis, Erik; Vahter, Andres; Liias, Paul; Vahter, Toomas; Edvard, Veigo Proceedings of the

Estonian Academy of Sciences 2014 / p. 200-209 : ill [https://artiklid.elnet.ee/record=b2672246\\*est](https://artiklid.elnet.ee/record=b2672246*est) <https://doi.org/10.3176/proc.2014.2S.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of real-time demands on the basis of pressure measurements by different optimization methods**

Vassiljev, Anatoli; Koppel, Tiit Advances in engineering software 2015 / p. 67-71 : ill <https://doi.org/10.1016/j.advengsoft.2014.09.023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of real-time water fluxes in water distribution system on the basis of pressure measurements**

Koppel, Tiit; Vassiljev, Anatoli Advances in engineering software 2013 / p. 19-23 : ill <https://doi.org/10.1016/j.advengsoft.2012.11.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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 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](#)

### **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 exhaustive multi-aspect analysis of swarm intelligence algorithms in numerical association rule mining**

Kaushik, Minakshi; Sharma, Rahul; Koiva, Pilleriin; Fister, Iztok; Draheim, Dirk IEEE Access 2024 / p. 138985 - 139002

<https://doi.org/10.1109/ACCESS.2024.3417334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental analysis of end mill axis inclination and its influence on 3D areal surface texture parameters**

Logins, Andris; Rosado Castellano, Pedro; Torims, Toms; Gutierrez, Santiago C.; **Sergejev, Fjodor** Proceedings of the Estonian Academy of Sciences 2017 / p. 194-201 : ill <https://doi.org/10.3176/proc.2017.2.09> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2820942\\*est](https://artiklid.elnet.ee/record=b2820942*est) [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](#)

**Experimental and numerical analysis of HPTE on mechanical properties of materials and strain distribution**

**Omranpour Shahreza, Babak**; Kulagin, Roman; Ivanisenko, Yulia; Sanchez, E. Garcia 7th International Conference on Nanomaterials by Severe Plastic Deformation 2–7 July 2017, Sydney, Australia 2017 / art. 012047, 6 p.: ill <https://doi.org/10.1088/1757-899X/194/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Experimental concept study of a small engine silencer unit based on microperforated elements**

Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Proceedings of the Estonian Academy of Sciences 2024 / p. 159-167 : ill., fot <https://doi.org/10.3176/proc.2024.2.09> [https://www.ester.ee/record=b2355998\\*est](https://www.ester.ee/record=b2355998*est) [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 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](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 steered fibre composite production**

**Haavajõe, Anti**; **Mikola, Madis**; **Osali, Hadi**; **Pohlak, Meelis**; **Herranen, Henrik** Proceedings of the Estonian Academy of Sciences 2017 / p. 295-299 : ill <https://doi.org/10.3176/proc.2017.3.09> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2824306\\*est](https://artiklid.elnet.ee/record=b2824306*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Extended reality in power distribution grid : applications and future trends**

**Nosrati, Komeil**; **Alsaleh, Saleh**; **Tepļakov, Aleksei**; **Petlenkov, Eduard**; **Onile, Abiodun Emmanuel**; **Škiparev, Vjatšeslav**; **Belikov, Juri** 27th International Conference on Electricity Distribution (CIRED 2023) : Rome, 12-15 June 2023 2023 / p. 3615 - 3619 <https://doi.org/10.1049/icp.2023.0788> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems**

**Carvalho da Silva, Edivan Laercio**; Cardoso, Rafael; Felipe, Carla Aparecida; Stein, Carlos Marcelo De Oliveira; Bellinaso, Lucas Vizzotto; Michels, Leandro; **Vinnikov, Dmitri** IEEE Access 2023 / p. 119231-119243 <https://doi.org/10.1109/ACCESS.2023.3327219> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions**

**Mural, Zorjana**; **Kolnes, Märt**; **Afshari, Hossein**; **Kollo, Lauri**; Link, Joosep; **Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill <https://doi.org/10.3176/proc.2016.2.02> [https://artiklid.elnet.ee/record=b2768229\\*est](https://artiklid.elnet.ee/record=b2768229*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Factors influencing participation in shared decision making in the oncological setting**

**Aasmäe, Birgit**; Lubi, Kadi Proceedings of the Estonian Academy of Sciences 2023 / p. 196-205 <https://doi.org/10.3176/proc.2023.3.02> [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 iterative circuits and RAM-based mergers to accelerate data sort in software/hardware systems**

Sklyarov, Valery; Skliarova, Ioulia; **Rjabov, Artjom**; **Sudnitsõn, Aleksander** Proceedings of the Estonian Academy of Sciences 2017 / p. 323-335 : ill <https://doi.org/10.3176/proc.2017.3.07> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fault management techniques to enhance the reliability of power electronic converters : an overview**

**Rahimpour, Saeed**; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Vosoughi Kurdkandi, Naser; Tarzamni, Hadi IEEE Access 2023 / p.

13432-13446 <https://doi.org/10.1109/ACCESS.2023.3242918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Feasible path planning for autonomous vehicles**

**Vu, Trieu Minh**; Pumwa, John Mathematical problems in engineering 2014 / p. 1-12 : ill <https://doi.org/10.1155/2014/317494> [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](http://kirj.ee/32996/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Feedback linearization of possibly non-smooth systems**

**Kaldmäe, Arvo; Kotta, Ülle**; Shumsky, Alexey; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 109-123 <https://doi.org/10.3176/proc.2017.2.01> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2820923\\*est](https://artiklid.elnet.ee/record=b2820923*est) [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](#)

#### **Flow-relative control of an underwater robot**

**Salumäe, Taavi; Kruusmaa, Maarja** Proceedings of the Royal Society. A, Mathematical, physical & engineering sciences 2013 / art. 20120671 <https://doi.org/10.1098/rspa.2012.0671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](https://doi.org/10.1007/978-981-15-4627-3_4) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Foreword**

**Õpik, Andres** Proceedings of the Estonian Academy of Sciences 2015 / p. 69-70 [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **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](http://www.kirj.ee/public/proceedings_pdf/2018/issue_2/proc-2018-2-115-116.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Formal and informal macro-regional transport clusters as a primary step in the design and implementation of cluster-based strategies**

**Nežerenko, Olga; Koppel, Ott** Transport and telecommunication 2015 / p. 207-216 : ill <https://doi.org/10.1515/ttj-2015-0019> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **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](https://doi.org/10.1007/978-3-030-68150-0_6) [Article collection metrics at Scopus](#) [Article at Scopus](#)

#### **Framework for analysing the role of state owned enterprises in innovation policy management : the case of energy technologies and Eesti Energia**

**Tõnurist, Piret** Technovation 2015 / p. 1-14 : ill <https://doi.org/10.1016/j.technovation.2014.08.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Framework for innovation-oriented product end-of-life strategies development**

**Baškite, Viktoria; Karaulova, Tatjana**; Starodubtseva, Olesja Procedia engineering 2014 / p. 526–535 : ill <https://www.sciencedirect.com/science/article/pii/S1877705814002689> <https://doi.org/10.1016/j.proeng.2014.03.022> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **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.ester.ee/record=b2355998\\*est](http://www.ester.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**

**Mehrparvar, 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](#)

### **From creative destruction to convivial innovation - A post-growth perspective**

**Robra, Ben; Pazaitis, Alexandros; Giotitsas, Christos; Pansera, Mario** Technovation 2023 / art. 102760  
<https://doi.org/10.1016/j.technovation.2023.102760> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **F-seminorms on generalized double sequence spaces defined by modulus functions**

**Kolk, Enno; Raidjõe, Annemai** Proceedings of the Estonian Academy of Sciences 2014 / p. 121-132  
<https://doi.org/10.3176/proc.2014.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Functions' algebra in nonlinear control : computational aspects and software**

**Belikov, Juri; Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle; Shumsky, Alexey Ye.; Tõnso, Maris; Zhirabok, Alexey** Proceedings of the Estonian Academy of Sciences 2017 / p. 89-107 <https://doi.org/10.3176/proc.2017.1.06> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est)  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 optical fiber photocatalytic reactors for indoor air application : a preliminary study on performance indicators**

**Palmiste, Ülar; Voll, Hendrik** IOP conference series : materials science and engineering 2017 / art. 012055, p. 1-7  
<https://doi.org/10.1088/1757-899X/251/1/012055> [Journal metrics 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](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](#)

### **Global linearization approach to nonlinear control systems : a brief tutorial overview**

**Belikov, Juri; Kaldmäe, Arvo; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2017 / p. 243-263  
<https://doi.org/10.3176/proc.2017.3.01> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2824300\\*est](https://artiklid.elnet.ee/record=b2824300*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A green corridor balanced scorecard**

**Prause, Gunnar Klaus** Transport and telecommunication 2014 / p. 299-307 : ill <https://doi.org/10.2478/tjt-2014-0026> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Greener green is better - the importance of sustainability in garden centre purchasing. An empirical study focusing on the purchase of plants and flowers based on a customer survey at garden centres in South Germany**

**Ludin, Daniela; Wellbrock, Wanja; Mueller, Erika; Boeck, Dominik; Fendrich, Karen** International Journal of Services, Technology and Management 2023 / p. 410 - 424 <https://doi.org/10.1504/IJSTM.2023.135110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Greening airports: A methodological framework for site assessment and assessing solar PV potential**

**Sukumaran, Sreenath; Sudhakar, K.; Yusop, A.F.** Results in Engineering 2024 / art. 102256, 12 p. : ill  
<https://doi.org/10.1016/j.rineng.2024.102256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Grid-connected solar PV power plants optimization: a review**

**Zidane, Tekai Eddine Khalil; Aziz, Ali Saleh; Zahraoui, Younes; Kotb, Hossam; Aboras, Kareem M.; Kitmo; Jember, Yosef Berhan** IEEE Access 2023 / p. 79588-79608 <https://doi.org/10.1109/ACCESS.2023.3299815> [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](#)

### **Growth of Scenedesmus obliquus under artificial flue gas with a high sulphur concentration neutralized with oil shale ash**

**Podkuiko, Lara; Olt, Jüri; Kikas, Timo** Proceedings of the Estonian Academy of Sciences 2017 / p. 151-158 : ill  
<https://doi.org/10.3176/proc.2017.2.03> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2820929\\*est](https://artiklid.elnet.ee/record=b2820929*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Growth of ZnO rods on FTO electrodes by spray pyrolysis**

**Dedova, Tatjana; Volobujeva, Olga; Krunk, Malle; Mikli, Valdek; Gromöko, Inga; Katerski, Atanas; Mere, Arvo** IOP

conference series : materials science and engineering 2013 / [4] p. : ill <https://doi.org/10.1088/1757-899X/49/1/012001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **High-efficiency partial power converter for integration of second-life battery energy storage systems in DC microgrids**

**Hassanpour, Naser; Chub, Andrii; Yadav, Neelesh; Blinov, Andrei; Vinnikov, Dmitri** IEEE Open Journal of the Industrial

Electronics Society 2024 / p. 87850-87863 <https://doi.org/10.1109/OJIES.2024.3389466> [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**

**Abdelrahim Abdelghafour, Omar Mohamed; 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 WOS](#)

### **Home energy management systems: A review of the concept, architecture, and scheduling strategies**

**Han, Binghui; Zahraoui, Younes; Mubin, Marizan; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex** IEEE Access 2023 /

p. 19999-20025 <https://doi.org/10.1109/ACCESS.2023.3248502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach**

**Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; Taleb, Masoud; Hussainova, Irina** Proceedings of the

Estonian Academy of Sciences 2016 / p. 97-100 : ill [https://artiklid.elnet.ee/record=b2768206\\*est](https://artiklid.elnet.ee/record=b2768206*est) <https://doi.org/10.3176/proc.2016.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hot and cold regions during accumulative roll bonding of Al/Al<sub>2</sub>O<sub>3</sub> nanofibre composites**

**Pramono, Agus; Kollo, Lauri; Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2016 / p. 132-137 : ill

[https://artiklid.elnet.ee/record=b2768216\\*est](https://artiklid.elnet.ee/record=b2768216*est) <https://doi.org/10.3176/proc.2016.2.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### **Hydraulic characterization of Diesel, B50 and B100 using momentum flux**

**Atique, Muhammad Numan; Imran, S.; Razzaq, Luqman; Mujtaba, M. A.; Nawaz, Saad; Kalam, M. A.; Soudagar, Manzoore Elahi M.;**

**Hussain, Abrar;** Veza, Ibharm; 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](#)

### **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](#)

### **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](#)

**Identifying and solving a vulnerability in the Estonian internet voting process: subverting ballot integrity without detection**

Treier, Tarvo; Duuna, Kristjan IEEE Access 2024 / p. 197766-197782 : ill <https://doi.org/10.1109/ACCESS.2024.3521337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Identifying the role of co-aggregation of Alzheimer's amyloid- $\beta$  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](#)

**Impact of laser fading on physico-mechanical properties and fibre morphology of multicomponent denim fabrics**

Mandre, Nele; Plamus, Tiia; Linder, Angelika; Krumme, Andres; Rohumaa, Anti Proceedings of the Estonian Academy of Sciences 2023 / p. 145-153 <https://doi.org/10.3176/proc.2023.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](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 a web-based remote control system for qZS DAB application using low-cost ARM platform**

Korzeniewski, Marek; Kulikowski, Krzysztof; Zakis, Janis; Jasiński, Marek Tomasz; Malinowski, Aleksander Bulletin of the Polish Academy of Sciences: Technical Sciences 2016 / p. 887-896 <https://doi.org/10.1515/bpasts-2016-0097> [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](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 person-centredness under structural constraints: a case of HPV vaccination**

Lubi, Kadi; Varsamaa, Merilin; Kala, Liis; Torop, Agnessa; Sildver, Kaire; Rooden, Mare Proceedings of the Estonian Academy of Sciences 2023 / p. 303-312 <https://doi.org/10.3176/proc.2023.3.12> [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](#)

**In-depth feature selection for the statistical machine learning-based botnet detection in IoT networks**

Kalakoti, Rajesh; Nõmm, 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 conditions and hygrothermal loads in historic wooden apartment buildings in cold climates**

Arumägi, Endrik; Kalamees, Targo; Kallavus, Urve Proceedings of the Estonian Academy of Sciences 2015 / p. 146-156 : ill [https://artiklid.elnet.ee/record=b2727447\\*est](https://artiklid.elnet.ee/record=b2727447*est) <https://doi.org/10.3176/proc.2015.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The influence of accelerated weathering on the mechanical and physical properties of wood-plastic composites**

Kallakas, Heikko; Poltimäe, Triinu; Süld, Tiia-Maaja; Kers, Jaan; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2015 / p. 94-104 : ill <https://doi.org/10.3176/proc.2015.1S.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The influence of carbonation process on concrete bridges and durability in Estonian practice**

Liisma, Eneli; Sein, Sander; Järvpõld, M. IOP conference series : materials science and engineering 2017 / art. 012072, 7 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012072> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**The influence of fibre orientation in self-compacting concrete on 4-point bending strength**

Herrmann, Heiko; Goidyk, Oksana; Naar, Hendrik; Tuisk, Tanel; Braunbrück, Andres Proceedings of the Estonian Academy of Sciences 2019 / p. 337-346 : ill [http://www.kirj.ee/32397/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32397/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.3.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of guar gum/furcellaran and guar gum/carrageenan stabilizer systems on the rheological and sensorial properties of ice cream during storage**

**Klesment, Tiina;** Stekolštšikova, Jelena; **Laos, Katrin** Proceedings of the Estonian Academy of Sciences 2014 / p. 193-198 : ill [https://artiklid.elnet.ee/record=b2673982\\*est](https://artiklid.elnet.ee/record=b2673982*est) <https://doi.org/10.3176/proc.2014.2.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of internal pressure on hollow section steel members in fire**

**Kervalishvili, Andrei;** Talvik, Ivar Applied sciences 2023 / art. 149 <https://doi.org/10.3390/app14010149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of permanent magnet characteristic variability on the wind generator operation**

**Kudrjartsev, Oleg;** Kallaste, Ants; Kilk, Aleksander; Vaimann, Toomas; Orlova, Svetlana Latvian journal of physics and technical sciences 2017 / p. 3-11 : ill <https://doi.org/10.1515/lpts-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Innovative methods of engineering education popularization at schools**

**Ševtsenko, 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](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](#)

**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](#)

**In-situ deposition of gold nanoparticles onto different substrates by chemical spray pyrolysis**

**Oja Acik, Ilona;** Oyekoya, Gboyega Nathaniel; Mere, Arvo; Katerski, Atanas; Mikli, Valdek; Krunks, Malle IOP conference series : materials science and engineering 2015 / 5 p. : ill <https://doi.org/10.1088/1757-899X/77/1/012009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](#)

**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](http://www.kirj.ee/32705/?tpl=1061&c_tpl=1064) [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](#)

**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](#)

**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](#)

**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 source problem with a posteriori boundary measurement for fractional diffusion equations**

**Janno, Jaan;** Kian, Yavar Mathematical methods in the applied sciences 2023 / p. 15868-15882 <https://doi.org/10.1002/mma.9432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigating different sources of flexibility in power system**

**Ahmadiyahangar, 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](https://doi.org/10.1007/978-981-15-4627-3_3) [Journal metrics 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 oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier**

**Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomborg, 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 partial discharge characteristics in XLPE cable insulation under increasing electrical stress**

**Choudhary, Maninder; Shafiq, Muhammad; Kiitam, Ivar; Palu, Ivo; Hassan, Waqar; Singh, Praveen Prakash** Engineering failure analysis 2024 / art. 108006 <https://doi.org/10.1016/j.engfailanal.2024.108006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigation of possible nutrient sources in Estonian rivers**

**Vassiljev, Anatoli; Margus, Gertu; Annus, Ivar; Stalnacke, Per** Procedia engineering 2016 / p. 188-195 : ill

<https://doi.org/10.1016/j.proeng.2016.11.038> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Investigations on new carbon-based nanohybrids combining carbon nanotubes, HfO<sub>2</sub> and ZnO nanoparticles**

**Rauwel, Protima; Galeckas, Augustinas; Salumaa, Martin; Aasna, Andres; Ducroquet, Frederiquet; Rauwel, Erwan** IOP

conference series : materials science and engineering 2017 / art. 012064, p. 1-5 : ill <https://doi.org/10.1088/1757-899X/175/1/012064>

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

### **Ionic liquids as solvents for making composite materials from cellulose**

**Elhi, Fred; Aid, Tiina; Koel, Mihkel** Proceedings of the Estonian Academy of Sciences 2016 / p. 255-266 : ill

<https://doi.org/10.3176/proc.2016.3.09> [https://artiklid.elnet.ee/record=b2798397\\*est](https://artiklid.elnet.ee/record=b2798397*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### **Keyless signature infrastructure and PKI : hash-tree signatures in pre- and post-quantum world**

**Buldas, Ahto; Laanoja, Risto; Truu, Ahto** International journal of services technology and management 2017 / p. 117-130 : ill

<https://doi.org/10.1504/IJSTM.2017.10002708> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **KPI building blocks for successful green transport corridor implementation**

**Prause, Gunnar Klaus; Schröder, Meike** Transport and telecommunication 2015 / p. 277-287 : ill <https://doi.org/10.1515/tjt-2015-0025>

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

### **KRATT : QBF-assisted removal and structural analysis attack against logic locking**

**Aksoy, Levent; Yasin, Muhammad; Pagliarini, Samuel** 2024 Design, Automation & Test in Europe Conference & Exhibition (DATE)

: Valencia, Spain, 25-27 March 2024 : proceedings 2024 / 6 p. : ill <https://doi.org/10.23919/DATE58400.2024.10546552> [Conference](#)

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

### **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 from few cyber-attacks : addressing the class imbalance problem in machine learning-based intrusion detection in software-defined networking**

**Mirsadeghi, Seyed Mohammad Hadi; Bahsi, Hayretidin; Vaarandi, Risto; Inoubli, Wissem** IEEE Access 2023 / p. 140428 -

140442 <https://doi.org/10.1109/ACCESS.2023.3341755> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Legacy of Nikolai Alumäe : theory of shells**

**Engelbrecht, Jüri; Kutser, Mati** Proceedings of the Estonian Academy of Sciences 2015 / p. 139-145

[https://artiklid.elnet.ee/record=b2727446\\*est](https://artiklid.elnet.ee/record=b2727446*est) <https://doi.org/10.3176/proc.2015.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lessons learnt from the first public buildings in Estonia intended to be passive houses**

**Raide, Indrek; Kalamees, Targo;** Muring, Tõnu Proceedings of the Estonian Academy of Sciences 2015 / p. 157-167 : ill

[https://artiklid.elnet.ee/record=b2727449\\*est](https://artiklid.elnet.ee/record=b2727449*est) <https://doi.org/10.3176/proc.2015.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Level 4 commercial autonomous vehicle control system transition to an open-source solution**

**Pikner, Heiko; Sell, Raivo; Malayjerdi, Ehsan** Proceedings of the Estonian Academy of Sciences 2024 / p. 124-133

<https://doi.org/10.3176/proc.2024.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Leveraging the European Cybersecurity Skills Framework(ECSF) in EU innovation projects : workforce development through skilling, upskilling, and reskilling**

Rathod, Paresh; Polemi, Nineta; Lehto, Martti; Kioskli, Kitty; Wessels, Jan; Lugo, Ricardo Gregorio 2024 IEEE Global Engineering Education Conference (EDUCON) 2024 / 9 p. <https://doi.org/10.1109/EDUCON60312.2024.10578846> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](#)

**Life cycle assessment of end-of-life tire disposal methods and potential integration of recycled crumb rubber in cement composites**

Kolendo, Girts; **Voronova, Viktoria;** Bumanis, Girts; Korjakins, A.; Bajare, D. Applied Sciences (Switzerland) 2024 / art. 11667

<https://doi.org/10.3390/app142411667> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lifecycle analysis of different motors from the standpoint of environmental impact**

**Orlova, Svetlana; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar** Latvian journal of physics and technical sciences 2016 / p. 37-46 : ill <https://doi.org/10.1515/lpts-2016-0042> [Journal metrics at Scopus](#) [Article at Scopus](#)

<https://doi.org/10.1515/lpts-2016-0042> [Journal metrics at Scopus](#) [Article at Scopus](#)

**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 open data assimilation of Pan-European urban air quality**

**Miasayedava, Lizaveta; Kaugerand, Jaanus; Tuhtan, Jeffrey Andrew** IEEE access 2023 / p. 84670–84688 : ill., map

<https://doi.org/10.1109/ACCESS.2023.3302348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Linear inequalities via least squares**

**Übi, Evald** Proceedings of the Estonian Academy of Sciences 2013 / p. 238-248 [https://artiklid.elnet.ee/record=b2651803\\*est](https://artiklid.elnet.ee/record=b2651803*est)

<https://doi.org/10.3176/proc.2013.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

**Linearization by input-output injections on homogeneous time scales**

Ciulkin, Monika; **Kaparin, Vadim; Kotta, Ülle;** Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2014 / p. 387-397

[https://artiklid.elnet.ee/record=b2707375\\*est](https://artiklid.elnet.ee/record=b2707375*est) <https://doi.org/10.3176/proc.2014.4.04> [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](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](#)

**Logistical costs minimization for delivery of shot lots by using logistical information systems**

Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton** Procedia engineering 2017 / p. 330-339 : ill

<https://doi.org/10.1016/j.proeng.2017.01.059> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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 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](#)

#### **Management closed control loop automation for improved RAN slice performance by subslicing**

Kulmar, Marika; **Alam, Muhammad Mahtab**; Mürsepp, Ivo IEEE Access 2024 / p. 103082-103095  
<https://doi.org/10.1109/ACCESS.2024.3433475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Management of green corridor performance**

Hunke, Kristina; **Prause, Gunnar Klaus** Transport and telecommunication 2013 / p. 292-299 : ill <https://doi.org/10.2478/tjt-2013-0025> [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 energy contracting for clean shipping**

Olaniyi, Eunice Omolola; Atari Jabar Zadeh, Sina; **Prause, Gunnar Klaus** Transport and telecommunication 2018 / p. 31–44 : ill  
<https://doi.org/10.2478/tjt-2018-0004> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Mathematical and physical modelling of the dynamic fluidic impedance of arteries using electrical impedance equivalents**

Giannoukos, Georgios; **Min, Mart** Mathematical methods in the applied sciences 2014 / p. 711 - 717 : ill  
<https://doi.org/10.1002/mma.2829> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Mathematical modeling and experimental validation of a fault-tolerant dual stator LHEFSM for rail transit applications**

Ullah, Basharat; Khan, Faisal; **Hussain, Shahid**; Albogamy, Fahad R. IEEE Access 2024 / p. 121586-121595 : ill  
<https://doi.org/10.1109/ACCESS.2024.3452984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Mathematical modelling of the dynamic electrical impedance of a parallel RC circuit using a Wien bridge oscillator**

Giannoukos, Georgios; **Min, Mart** Journal of computational methods in sciences and engineering 2015 / p. 287-293  
<https://doi.org/10.3233/JCM-150543> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **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](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 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](#)

#### **Mechanochemically driven covalent self-assembly of a chiral mono-biotinylated hemicucurbit[8]uril**

**Suut-Tuule, Elina; Jarg, Tatsiana; Tikker, Priit; Lootus, Ketren-Marlein; Martõnova, Jevgenija; Reitalu, Rauno; Ustrnül, Lukas; Ward, Jas S.; Rjabovs, Vitalijs; Shubin, Kirill; Nallaparaju, Jagadeesh Varma; Vendelin, Marko; Preis, Sergei; Öeren, Mario; Rissanen, Kari; Kananovich, Dzmitry; Aav, Riina** Cell reports physical science 2024 / art. 102161  
<https://doi.org/10.1016/j.xcrp.2024.102161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Men's perceptions of the supportive use of health communication tools during the ante- und postnatal period**

**Trei, Hanna-Maria**; Lubi, Kadi; Haage, Barbara Proceedings of the Estonian Academy of Sciences 2023 / p. 259-266  
<https://doi.org/10.3176/proc.2023.3.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Metabolism of copper and possibilities for its regulation**

**Palumaa, Peep** Proceedings of the Estonian Academy of Sciences 2023 / p. 382-392 <https://doi.org/10.3176/proc.2023.4.03> [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](#)

### **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](#)

### **Methylphosphonic acid as a <sup>31</sup>P-NMR standard for the quantitative determination of phosphorus in carbonated beverages**

**Kõllo, Marek**; **Kudrjašova, Marina**; **Kulp, Maria**; **Aav, Riina** Analytical methods 2013 / p. 4005-4009 : ill <https://doi.org/10.1039/c3ay40743h> [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](#)

### **Microstructure and nanoindentation creep behavior of binary Al-Cu alloy synthesized at high pressure**

Ma, Pan; Zhang, Zhiyu; Liu, Xiao; Shi, Xuerong; **Prashanth, Konda Gokuldoss**; Jia, Yandong JOM : the journal of the minerals, metals & materials society 2023 / p. 176-183 <https://doi.org/10.1007/s11837-022-05545-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Migration Activity of Heavy Metals During Pyrolysis of Dried Sewage Sludge in a Fixed-Bed Reactor**

Gerasimov, G.Y.; **Khaskhachikh, Vladimir**; Sychev, G.A.; Zaichenko, V.M. Journal of engineering physics and thermophysics 2023 / p. 112-119 <https://doi.org/10.1007/s10891-023-02667-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mobile smart contracts : exploring scalability challenges and consensus mechanisms**

Deval, Vipin; Dwivedi, Vimal Kumar; Dixit, Abhishek; Norta, Alex; Shah, Syed Attique; **Sharma, Rahul**; **Draheim, Dirk** IEEE Access 2024 / p. 34265 - 34288 <https://doi.org/10.1109/ACCESS.2024.3371901> [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 checking response times in Networked Automation Systems using jitter bounds**

Srinivasan, Seshadhri; Buonopane, Furio; **Vain, Jüri**; Ramaswamy, Srini Computers in industry 2015 / p. 186-200 <https://doi.org/10.1016/j.compind.2015.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model matching problem for discrete-time nonlinear systems**

**Belikov, Juri**; Halas, Miroslav; **Kotta, Ülle**; Moog, Claude Proceedings of the Estonian Academy of Sciences 2015 / p. 457-472 : ill [https://artiklid.elnet.ee/record=b2750720\\*est](https://artiklid.elnet.ee/record=b2750720*est) <https://doi.org/10.3176/proc.2015.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model-based service provisioning in optical networks**

Karunakaran, Vignesh; Müller, Jasper; Slyne, Frank; **Kaeval, Kaida**; Troia, Sebastian; Autenrieth, Achim; Kilper, Daniel C.; Bauschert, Thomas; Ruffini, Marco ECOC 2023 : 49th European Conference on Optical Communications, 1-5 October 2023 2024 / p. 1039-1042 <https://doi.org/10.1049/icp.2023.2429> <https://digital-library.theiet.org/docserver/fulltext/cp839/ICP.2023.2429.pdf?expires=1727158709&id=id&accname=guest&checksum=7B52C0279E1600FDE3FC6BCECED8CE4F> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Model-free predictive control for improved performance and robustness of three-phase quasi Z-source inverters**

Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Bouzidi, Mansour; Lashab, Abderezak; **Chub, Andrii**; Zaid, Sherif A. IEEE Access 2024 / p. 87850-87863 <https://doi.org/10.1109/ACCESS.2024.3417397> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The modeling and investigation of slot skews and supply imbalance on the development of principal slotting harmonics in squirrel cage induction machines**

**Asad, Bilal**; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; Khang, Huynh Van; **Shams Ghahfarokhi, Payam**; **Naseer, Muhammad Usman**; **Iqbal, Muhammad Naveed** IEEE Access 2021 / p. 165932-165946 <https://doi.org/10.1109/ACCESS.2021.3134331> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modeling battery energy storage systems based on remaining useful lifetime through regression algorithms and binary classifiers**

**Zequera, Rolando Antonio Gilbert; Rjabtsikov, Viktor; Rassolkin, Anton; Vaimann, Toomas; Kallaste, Ants** Applied sciences 2023 / art. 7597 <https://doi.org/10.3390/app13137597> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modeling water supply system control system algorithms**

**Sunela, Markus; Puust, Raido** Procedia engineering 2015 / p. 734-743 : ill <https://doi.org/10.1016/j.proeng.2015.08.927> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](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 regional airport terminal capacity**

**Nõmmik, Allan; Antov, Dago** Procedia engineering 2017 / p. 427-434 : ill <https://doi.org/10.1016/j.proeng.2017.01.083> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Modelling stormwater runoff, quality, and pollutant loads in a large urban catchment**

**Maharjan, Bharat; Pachel, Karin; Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2017 / p. 225-242 : ill <https://doi.org/10.3176/proc.2017.3.02> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2824298\\*est](https://artiklid.elnet.ee/record=b2824298*est) [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; Vahe, 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](#)

**Modified constitutive equation for quasi-linear theory of viscoelasticity**

**Ravasoo, Arvi** Journal of engineering mathematics 2013 / p. 111-118 <https://doi.org/10.1007/s10665-011-9473-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modified particle swarm optimization algorithm based on gravitational field interactions**

**Spitšakova, Margarita** Proceedings of the Estonian Academy of Sciences 2016 / p. 15-27 : ill <https://doi.org/10.3176/proc.2016.1.01> [https://artiklid.elnet.ee/record=b2760709\\*est](https://artiklid.elnet.ee/record=b2760709*est) [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](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](#)

**Modular smart control system architecture for the mobile robot platform**

**Sell, Raivo; Väljaots, Eero; Patariaia, 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](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 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](#)

**Monitoring the effect of pH on the growth of pathogenic bacteria using electrical impedance spectroscopy**

**Razmi, Nasrin; Lazouskaya, Maryna; Pajcin, Ivana; Petrovic, Bojan; Grahovac, Jovana; Simic, Mitar; Willander, Magnus; Nur, Omer; Stojanovic, Goran M.** Results in Engineering 2023 / art. 101425 <https://doi.org/10.1016/j.rineng.2023.101425> [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-Ildarte, 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](#)

### **Multi-dimensional time and university technology commercialisation as opportunity praxis : a realist synthesis of the accumulated literature**

Kalantaridis, Christos; **Küttim, Merle** Technovation 2023 / art. 102685, 12 p. : ill <https://doi.org/10.1016/j.technovation.2022.102685> [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](#)

### **A multi-terrain robot prototype with archimedean screw actuators : design, realization, modeling, and control**

**Gkliva, Roza**; **Remmas, Mohamed Walid**; **Godon, Simon Pierre**; **Rebane, Jaan**; **Ochs, Kilian**; **Kruusmaa, Maarja**; **Ristolainen, Asko** IEEE Access 2024 / p. 95820 - 95830 <https://doi.org/10.1109/ACCESS.2024.3426105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **New approach to knowledge transfer environment development**

**Hurt, Ulrika**; **Otto, Tauno**; **Körbe Kaare, Kati**; **Koppel, Ott** Procedia engineering 2014 / p. 273-281 : ill <https://doi.org/10.1016/j.proeng.2014.02.232> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](https://doi.org/10.1007/978-981-15-4627-3_5) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **A new efficient ALignment-driven Neural Network for mortality prediction from irregular multivariate time series data [Formula presented]**

**Bignoumba, Nzamba**; Mellouli, Nedra; **Ben Yahia, Sadok** Expert systems with applications 2024 / art. 122148 <https://doi.org/10.1016/j.eswa.2023.122148> [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-Lukasik, J.; Podsiadlo, M.; Novak, P.; **Holovenko, Yaroslav** 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 six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current**

**Vosoughi Kurdkandi, Naser**; Marangalu, Milad Ghavipankeh; 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](#)

### **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.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **NFT-based life cycle management for batteries of e-cars**

**Prause, Gunnar Klaus**; **Gerlitz, Laima** Transport and telecommunication journal 2024 / p. 378-391 <https://doi.org/10.2478/tjt-2024-0028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Nonlinear dispersive wave equations for microstructured solids**

**Berezovski, Arkadi** Proceedings of the Estonian Academy of Sciences 2015 / p. 203-211 [https://artiklid.elnet.ee/record=b2740520\\*est](https://artiklid.elnet.ee/record=b2740520*est) <https://doi.org/10.3176/proc.2015.3.01> [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](#)

### **North European export industry and the shadows of sulphur directive**

Hämäläinen, Esa; Hilmola, Olli-Pekka Kristian; **Tolli, Andres** Transport and Telecommunication 2016 / p. 9 - 17 <https://doi.org/10.1515/tjt-2016-0002> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **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 droop control strategy for indirect battery management in DC nanogrids**

**Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei** Proceedings of the Estonian Academy of Sciences 2024 / p. 345-355  
<https://doi.org/10.3176/proc.2024.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A novel framework for unification of association rule mining, online analytical processing and statistical reasoning**

**Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo**; 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 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; lital, 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](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](#)

### **Novel quantification method of aggregated energy flexibility based on power-duration curves**

**Plaum, Freddy; Rosin, Argo; Ahmadiyahangar, Roya** IEEE Access 2024 / p. 132825-132837  
<https://doi.org/10.1109/ACCESS.2024.3461151> [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](#)

### **Novel universal power electronic interface for integration of pv modules and battery energy storages in residential DC microgrids**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri; Lindvest, Andre** IEEE Access 2023 / p. 30845-30858  
<https://doi.org/10.1109/ACCESS.2023.3260640> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **nZEB renovation of multi-storey building with prefabricated modular panels**

**Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle** IOP conference series : materials science and engineering 2017 / art. 012056, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012056> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Numerical simulation of grid-generated turbulent particulate flow by three-dimensional Reynolds stress**

**Kartušinski, Aleksander; Rudi, Ülo**; Stock, David; **Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Šablinski, Aleksandr** Proceedings of the Estonian Academy of Sciences 2013 / p. 161-174 : ill <https://doi.org/10.3176/proc.2013.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Numerical simulation of the propagation of ship-induced Riemann waves of depression into the Venice Lagoon**

**Rodin, Artem; Soomere, Tarmo; Parnell, Kevin Ellis**; Zaggia, Luca Proceedings of the Estonian Academy of Sciences 2015 / p. 22-35 : ill [https://artiklid.elnet.ee/record=b2717480\\*est](https://artiklid.elnet.ee/record=b2717480*est) <https://doi.org/10.3176/proc.2015.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon**

**Kaur, Katrin; Laanearu, Janek; Annus, Ivar** IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill <https://doi.org/10.1088/1757-899X/251/1/012128> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Numerical study of upward particulate pipe flows at a constant Reynolds number**

**Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor; Šablinski, Aleksandr** Proceedings of the Estonian Academy of Sciences 2013 / p. 97-108 : ill <https://doi.org/10.3176/proc.2013.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Observable space of the nonlinear control system on a homogeneous time scale**

**Kaparin, Vadim; Kotta, Ülle**; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2014 / p. 11-25  
[https://artiklid.elnet.ee/record=b2665198\\*est](https://artiklid.elnet.ee/record=b2665198*est) <https://doi.org/10.3176/proc.2014.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[metrics at Scopus](#) [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

<https://doi.org/10.3176/proc.2018.4.01> [http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_4/proc-2018-4-325-336.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-325-336.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](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](#)

#### **On chaos control in hierarchical multi-agent systems**

**Källo, Rommi; Eerme, Martin; Reedik, Vello** Proceedings of the Estonian Academy of Sciences 2015 / p. 17-21 : ill

[https://artiklid.elnet.ee/record=b2717478\\*est](https://artiklid.elnet.ee/record=b2717478*est) <https://doi.org/10.3176/proc.2015.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On dead-time optimization and active gate driving in flyback converters with synchronous rectifiers**

**Philipps, Daniel; Blinov, Andrei; Pefitsis, Dimosthenis** IEEE Access 2024 / p. 173146-173155

<https://doi.org/10.1109/ACCESS.2024.3462956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On endomorphisms of groups of order 32 with maximal subgroups $C_4 \times C_2 \times C_2$**

**Puusemp, Piret; Puusemp, Peeter** Proceedings of the Estonian Academy of Sciences 2014 / p. 105-120

[https://artiklid.elnet.ee/record=b2673949\\*est](https://artiklid.elnet.ee/record=b2673949*est) <https://doi.org/10.3176/proc.2014.2.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On endomorphisms of groups of order 32 with maximal subgroups $C_8 \times C_2$**

**Puusemp, Piret; Puusemp, Peeter** Proceedings of the Estonian Academy of Sciences 2014 / p. 355-371

<https://doi.org/10.3176/proc.2014.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On endomorphisms of groups of order 32 with maximal subgroups $C_{24}$ or $C_{42}$**

**Puusemp, Piret; Puusemp, Peeter** Proceedings of the Estonian Academy of Sciences 2016 / p. 1-14

<https://doi.org/10.3176/proc.2016.1.04> [https://artiklid.elnet.ee/record=b2760708\\*est](https://artiklid.elnet.ee/record=b2760708*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On endomorphisms of groups of order 36**

**Leibak, Alar; Puusemp, Peeter** Proceedings of the Estonian Academy of Sciences 2016 / p. 237-254

<https://doi.org/10.3176/proc.2016.3.06> [https://artiklid.elnet.ee/record=b2798395\\*est](https://artiklid.elnet.ee/record=b2798395*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On endomorphisms of groups of orders 37-47**

**Leibak, Alar; Puusemp, Peeter** Proceedings of the Estonian Academy of Sciences 2017 / p. 137-150

<https://doi.org/10.3176/proc.2017.2.04> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2820926\\*est](https://artiklid.elnet.ee/record=b2820926*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **On mechanical aspects of nerve pulse propagation and the Boussinesq paradigm**

**Peets, Tanel; Tamm, Kert** Proceedings of the Estonian Academy of Sciences 2015 / p. 331-337 : ill

[https://artiklid.elnet.ee/record=b2740556\\*est](https://artiklid.elnet.ee/record=b2740556*est) <https://doi.org/10.3176/proc.2015.3S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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 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](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2835629\\*est](https://artiklid.elnet.ee/record=b2835629*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](https://doi.org/10.1007/978-981-15-4627-3_2) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **On the differentiation of a composite function with a generalized vector argument on homogeneous time scales**

**Kaparin, Vadim; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2017 / p. 309-322 : tab

<https://doi.org/10.3176/proc.2017.3.04> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2824309\\*est](https://artiklid.elnet.ee/record=b2824309*est) [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**On the effect of finite-time correlations on the turbulent mixing in smooth chaotic compressible velocity fields**

Ainsaar, Siim; **Kalda, Jaan** Proceedings of the Estonian Academy of Sciences 2014 / p. 1-7 : ill

[https://artiklid.elnet.ee/record=b2717475\\*est](https://artiklid.elnet.ee/record=b2717475*est) <https://doi.org/10.3176/proc.2015.1.01> [Journal metrics](#) [at Scopus](#) [Article](#) [at Scopus](#) [Journal metrics](#) [at WOS](#) [Article](#) [at WOS](#)

**On the influence of the rheological boundary conditions on the fibre orientations in the production of steel fibre reinforced concrete elements**

**Herrmann, Heiko; Lees, Aarne** Proceedings of the Estonian Academy of Sciences 2016 / p. 408-413 : ill

<https://doi.org/10.3176/proc.2016.4.08> [https://artiklid.elnet.ee/record=b2808646\\*est](https://artiklid.elnet.ee/record=b2808646*est) [Journal metrics](#) [at Scopus](#) [Article](#) [at Scopus](#) [Journal metrics](#) [at WOS](#) [Article](#) [at WOS](#)

**On the phenomenological modelling of physical phenomena**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Proceedings of the Estonian Academy of Sciences 2024 / p. 264-278 : ill

<https://doi.org/10.3176/proc.2024.3.10> [Journal metrics](#) [at Scopus](#) [Article](#) [at Scopus](#) [Journal metrics](#) [at WOS](#) [Article](#) [at WOS](#)

**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 transformation of a nonlinear discrete-time input-output system into the strong row-reduced form**

Bartosiewicz, Zbigniew; **Belikov, Juri; Kotta, Ülle; Tönso, Maris; Wyrwas, Małgorzata** Proceedings of the Estonian Academy of

Sciences 2016 / p. 220-236 <https://doi.org/10.3176/proc.2016.3.02> [https://artiklid.elnet.ee/record=b2798394\\*est](https://artiklid.elnet.ee/record=b2798394*est) [Journal metrics](#) [at Scopus](#) [Article](#) [at Scopus](#) [Journal metrics](#) [at WOS](#) [Article](#) [at WOS](#)

**One step synthesis of pure cubic and monoclinic HfO<sub>2</sub> nanoparticles : effects of temperature and ambient on the photoluminescent properties**

Rauwel, Protima; Galeckas, Augustinas; **Rauwel, Erwan** ECS transactions 2015 / p. 19-28 <https://doi.org/10.1149/06444.0019ecst>

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

**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](#)

**Open urban mmWave radar and camera vehicle classification dataset for traffic monitoring**

**Soom, Jürgen; Leier, Mairo; Janson, Karl; Tuhtan, Jeffrey A.** IEEE Access 2024 / p. 65128 - 65140

<https://doi.org/10.1109/ACCESS.2024.3397013> [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**

**Shams Ghahfarokhi, Payam;** 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](#)

**Optimal pump count prediction algorithm for identical pumps working in parallel mode**

**Koor, Margus; Vassiljev, Anatoli; Koppel, Tiit** Procedia engineering 2014 / p. 951-958 : ill

<https://doi.org/10.1016/j.proeng.2014.02.106> [Conference proceedings](#) [at Scopus](#) [Article](#) [at Scopus](#) [Article](#) [at WOS](#)

**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

Series : Materials Science and Engineering 2019 / art. 012003 <https://doi.org/10.1088/1757-899X/613/1/012003> [Conference proceedings](#) [at Scopus](#) [Article](#) [at Scopus](#) [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](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 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 pump efficiencies with different pumps characteristics working in parallel mode**

Koor, Margus; **Vassiljev, Anatoli; Koppel, Tiit** Advances in engineering software 2016 / p. 69-76 : ill

<https://doi.org/10.1016/j.advengsoft.2015.10.010> [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 reinforcement content of powder metallurgy hardfacings in abrasive wear conditions**

**Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri** Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill [https://artiklid.elnet.ee/record=b2768203\\*est](https://artiklid.elnet.ee/record=b2768203*est) <https://doi.org/10.3176/proc.2016.2.03>

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

### **An optimized design of delay-and energy-efficient Booth multiplier**

**Rafiq, Ahsan; Jenihhin, Maksim** e-Prime - Advances in Electrical Engineering, Electronics and Energy 2024 / art. 100698

<https://doi.org/10.1016/j.prime.2024.100698> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Optimized modulation scheme for four-leg quasi Z-source inverter : reducing power loss and improving output quality**

Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Zellouma, Laid; Bouzidi, Mansour; Lashab, Abderezak;

Rabhi, Boualaga; **Chub, Andrii** IEEE Access 2023 / p. 94125-94137 <https://doi.org/10.1109/ACCESS.2023.3305263> [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](#)

### **Optimizing voyage costs in maritime supply chains : a holistic approach towards logistics service improvement and supply chain finance**

**Prause, Gunnar Klaus**; Olaniyi, Eunice Omolola Transport and telecommunication journal 2023 / p. 361-374 <https://doi.org/10.2478/ttj-2023-0028>

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

### **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 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](#)

### **Oxidation of airborne m-Xylene in pulsed corona discharge: Impact of water sprinkling**

**Altof, Kristen; Krichevskaya, Marina; Preis, Sergei; Bolobajev, Juri** ChemEngineering 2024 / art. 99

<https://doi.org/10.3390/chemengineering8050099> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Parameterization of run-up characteristics for long bell-shaped solitary waves propagating in a bay of parabolic cross-section**

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2015 / p. 234-239 : ill

<https://doi.org/10.3176/proc.2015.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A parametric framework for the development of bioelectrical applications : application to a bio-impedance signal simulator**

**Muhamamad, Yar; Annus, Paul; Le Moullec, Yannick; Rang, Toomas** Proceedings of the Estonian Academy of Sciences 2016 /

p. 345-357 : ill <https://doi.org/10.3176/proc.2016.4.03> [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](#)

### **PenChain: a blockchain-based platform for penalty-aware service provisioning**

Nguyen, Trung-Viet; Le, Lam-Son; Shah, Syed Attique; Hameed, Sufian; **Draheim, Dirk** IEEE Access 2024 / p. 1005-1030 : ill

<https://doi.org/10.1109/ACCESS.2023.3344038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#) [Article at WOS](#)

### **Performance of Al<sub>2</sub>O<sub>3</sub>-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](#)

### **Pitfalls of excessive owner occupied housing**

**Nuuter, Tiina; Lill, Irene** Procedia engineering 2013 / p. 830-836 : ill <https://doi.org/10.1016/j.proeng.2013.04.105> [Conference](#)

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

### **Polynomial accessibility condition for the multi-input multi-output nonlinear control system**

**Kotta, Ülle; Tõnso, Maris**; Kawano, Yu Proceedings of the Estonian Academy of Sciences 2014 / p. 136-150

[https://artiklid.elnet.ee/record=b2673962\\*est](https://artiklid.elnet.ee/record=b2673962*est) <https://doi.org/10.3176/proc.2014.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A polynomial approach to a nonlinear model matching problem**

**Belikov, Juri**; Halas, Miroslav; **Kotta, Ülle**; Moog, Claude Proceedings of the Estonian Academy of Sciences 2016 / p. 330-344 : ill

<https://doi.org/10.3176/proc.2016.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Polyverif : an open-source environment for autonomous vehicle validation and verification research acceleration**

Razdan, Rahul; Akbas, Mustafa İlhan; **Sell, Raivo; Bellone, Mauro**; Menase, Mahesh; **Malayjerdi, Mohsen** IEEE Access 2023 / p.

28343-28354 <https://doi.org/10.1109/ACCESS.2023.3258681> [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; Tõnso, 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](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](#)

### **Pore distribution and water uptake in a cenosphere-cement paste composite material**

**Baroninš, Janis**; Setina, Jekaterina; Sahmenko, G.; Lagzdina, S.; Shishkin, Andrei 2nd International Conference on Innovative

Materials, Structures and Technologies 30 September to 2 October 2015, Riga, Latvia 2015 / art. 012011, 8 p. : ill

<https://doi.org/10.1088/1757-899X/96/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Possible agricultural use of digestate**

**Kuusik, Argo; Pachel, Karin; Kuusik, Aare; Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2017 / p. 64-74 : ill

<https://doi.org/10.3176/proc.2017.1.10> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2816061\\*est](https://artiklid.elnet.ee/record=b2816061*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PPG and bioimpedance-based wearable applications in heart rate monitoring – a comprehensive review**

Lapsa, Didzis; Janeliukstis, Rims; **Metshein, Margus**; Selavo, Leo Applied sciences 2024 / art. 7451

<https://doi.org/10.3390/app14177451> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Predictable quantum efficient detector. I, Photodiodes and predicted responsivity**

Sildoja, Meelis; Manoocheri, Farshid; Merimaa, Mikko; Ikonen, Erkki; Müller, Ingmar; Werner, Lutz; Gran, Jarle; **Kübarsepp,**

**Toomas**; Smid, Marek; Rastello, Maria Luisa Metrologia 2013 / p. 385-394 : ill <https://doi.org/10.1088/0026-1394/50/4/385>

<https://cris.vtt.fi/en/publications/predictable-quantum-efficient-detector-i-photodiodes-and-predicted> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Predictable quantum efficient detector. II, Characterization and confirmed responsivity**

Müller, Ingmar; Johannsen, Uwe; Linke, Ulrike; Socaciu-Siebert, Liana; Smid, Marek; Porrovecchio, Geiland; Sildoja, Meelis;

Manoocheri, Farshid; Ikonen, Erkki; Gran, Jarle; **Kübarsepp, Toomas**; Brida, Giorgio; Werner, Lutz Metrologia 2013 / p. 395-401 : ill

<https://doi.org/10.1088/0026-1394/50/4/395> <https://www.scilit.com/publications/aacc372397c67cfa0451e026894282f> [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](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

### **Predictive tools for the isothermal hardening of strip steel parts in molten salt**

**Jaason, Karli; Peetsalu, Priidu; Saarna, Mart**; Beilmann, Jüri Proceedings of the Estonian Academy of Sciences 2016 / p. 152-158 : ill [https://artiklid.elnet.ee/record=b2768223\\*est](https://artiklid.elnet.ee/record=b2768223*est) <https://doi.org/10.3176/proc.2016.2.04> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Preface**

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. vii <https://link.springer.com/content/pdf/bfm:978-3-030-68150-0/1?pdf=chapter%20toc> Article collection metrics at Scopus Article at Scopus

### **Preparation of fibrous electrospun membranes with activated carbon filler**

**Krasnou, Illia; Tarasova, Elvira; Malmberg, Siret; Vassiljeva, Viktoria; Krumme, Andres** IOP conference series : materials science and engineering 2019 / art. 012022, 5 p. : ill <https://doi.org/10.1088/1757-899X/500/1/012022> Conference proceedings at Scopus Article at Scopus Article at WOS

### **Principal component analysis of HPLC-MS/MS patterns of wheat (Triticum aestivum) varieties**

**Levandi, Tuuli; Püssa, Tõnu; Vaher, Merike**; Ingver, Anne; Koppel, Reine; **Kaljurand, Mihkel** Proceedings of the Estonian Academy of Sciences 2014 / p. 86-92 : ill [https://artiklid.elnet.ee/record=b2665228\\*est](https://artiklid.elnet.ee/record=b2665228*est) <https://doi.org/10.3176/proc.2014.1.11> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Principles and methods of servomotor control : comparative analysis and applications**

**Autsou, Siarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** Applied sciences 2024 / art. 2579 <https://doi.org/10.3390/app14062579> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Production monitoring system design and implementation**

**Eiskop, Tanel**; Snatkin, Aleksei; **Karjust, Kristo; Tungel, Ernst** Proceedings of the Estonian Academy of Sciences 2018 / p. 10-16 : ill <https://doi.org/10.3176/proc.2017.4.02> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Production monitoring system development and modification**

**Snatkin, Aleksei; Eiskop, Tanel; Karjust, Kristo; Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2015 / p. 567-580 : ill [https://artiklid.elnet.ee/record=b2750888\\*est](https://artiklid.elnet.ee/record=b2750888*est) <https://doi.org/10.3176/proc.2015.4S.04> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Production monitoring system development for manufacturing processes of photovoltaic modules**

**Tšukrejev, Pavel; Kruuser, Kaarel; Karjust, Kristo** Proceedings of the Estonian Academy of Sciences 2019 / p. 401-406 : ill <https://doi.org/10.3176/proc.2019.4.09> [http://www.kirj.ee/32721/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32721/?tpl=1061&c_tpl=1064) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Production monitoring system with predictive functionality**

**Eiskop, Tanel; Snatkin, Aleksei; Karjust, Kristo** Journal of engineering science and technology 2017 / p. 2410-2425 : ill <http://jestec.taylors.edu.my/V12Issue9.htm> Journal metrics at Scopus Article at Scopus

### **Production of metal–ceramic lattice structures by selective laser melting and carburizing or nitriding**

**Holovenko, Yaroslav; Kollo, Lauri; Jõelet, Marek; Ivanov, Roman**; Soloviova, Tetiana; **Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2019 / p. 131–139 : ill <https://doi.org/10.3176/proc.2019.2.02>  
[http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-131-139.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-131-139.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Properties of chitin extracted from Estonian mushrooms**

Baumgartner, Stephanie; **Viirsalu, Mihkel; Krumme, Andres**; Mendez, James Proceedings of the Estonian Academy of Sciences 2019 / p. 333-336 : ill [http://www.kirj.ee/32362/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32362/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.3.09> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **ProSe direct discovery : experimental characterization and context-aware heuristic approach to extend public safety networks lifetime**

**Masood, Ali; Alam, Muhammad Mahtab; Le Moullec, Yannick**; Reggiani, Luca; Scazzoli, Davide; Magarini, Maurizio; Ahmad, Rizwan IEEE Access 2021 / p. 130055–130071 <https://doi.org/10.1109/ACCESS.2021.3112751> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Pumps energy consumption based on new EU legislation**

**Annus, Ivar; Uibo, D.; Koppel, Tiit** Procedia engineering 2014 / p. 517-524 : ill <https://doi.org/10.1016/j.proeng.2014.11.473>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**PV-battery assisted three-level T-Type inverter for AC residential nanogrid realized with small-scale HIL units**

Gutierrez-Escalona, Javier; **Roncero-Clemente, Carlos**; Gonzalez-Romera, Eva; Milanés-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 <https://doi.org/10.1109/ACCESS.2023.3276235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Quantification of changes in the beach volume by the application of an inverse of the Bruun Rule and laser scanning technology**

**Eelsalu, Maris; Soomere, Tarmo; Julge, Kalev** Proceedings of the Estonian Academy of Sciences 2015 / p. 240-248 : ill [https://artiklid.elnet.ee/record=b2740531\\*est](https://artiklid.elnet.ee/record=b2740531*est) <https://doi.org/10.3176/proc.2015.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Query learning-based scheme for pertinent resource lookup in Mobile P2P network**

Yeferny, Taoufik; Hamad, Sofian; **Ben Yahia, Sadok** IEEE Access 2019 / art. 6287639, p. 49059-49068  
<https://doi.org/10.1109/ACCESS.2019.2910117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radio resource management scheme in NB-IoT systems**

**Malik, Hassan**; Pervaiz, Haris; **Alam, Muhammad Mahtab**; Le Moullec, Yannick; **Kuusik, Alar**; Imran, Muhammad Ali IEEE Access 2018 / p. 15051-15064 : ill <https://doi.org/10.1109/ACCESS.2018.2812299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ransomware attack as Hardware Trojan : a feasibility and demonstration study**

**Almeida, Felipe**; Imran, Malik; **Raik, Jaan**; Pagliarini, Samuel Nascimento IEEE Access 2022 / p. 44827-44839  
<https://doi.org/10.1109/ACCESS.2022.3168991> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rapid capillary electrophoresis method with LED-induced native fluorescence detection for the analysis of cannabinoids in oral fluid**

**Mazina, Jekaterina; Špiljova, Anastassija; Vaher, Merike**; Kaljurand, Mihkel; Kulp, Maria Analytical methods 2015 / p. 7741-7747 : ill <https://doi.org/10.1039/c5ay01595b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rapid quantitative determination of lignin in lignocellulosic products**

**Kärner, Kärt; Kärner, Kristi; Kallavus, Urve; Elomaa, Matti Antero** Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 56 [Conference Proceedings metrics at Scopus](#) [Article at Scopus](#)

**Rapid semi-quantitative determination of aspen lignin in lignocellulosic products**

**Kallavus, Urve; Kärner, Kristi; Kärner, Kärt; Elomaa, Matti Antero** Proceedings of the Estonian Academy of Sciences 2015 / p. 105-112 : ill <https://doi.org/10.3176/proc.2015.1S.06> [https://artiklid.elnet.ee/record=b2716368\\*est](https://artiklid.elnet.ee/record=b2716368*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**RC bridge management optimisation considering condition assessment uncertainties**

**Sein, Sander**; Campos Matos, Jose; **Idnurm, Juhan**; Kiisa, Martti; Coelho, Mario Proceedings of the Estonian Academy of Sciences 2021 / p. 172-189 : ill <https://doi.org/10.3176/proc.2021.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Readiness of small energy markets and electric power grids to global health crises: Lessons from the COVID-19 pandemic**

Carmon, David; Navon, Aviad; Machlev, Ram; **Belikov, Juri**; Levron, Yoash IEEE Access 2020 / art. 9139437, p. 127234-127243  
<https://doi.org/10.1109/ACCESS.2020.3008929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Real time water supply system hydraulic and quality modeling - a case study**

Sunela, Markus; **Puust, Raido** Procedia engineering 2015 / p. 744-752 : ill <https://doi.org/10.1016/j.proeng.2015.08.928> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Real water network comparative calibration studies considering the whole process from engineer's perspective**

**Puust, Raido; Vassiljev, Anatoli** Procedia engineering 2014 / p. 702-709 : ill <https://doi.org/10.1016/j.proeng.2014.11.497> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Real-time demands and calibration of water distribution systems**

**Vassiljev, Anatoli**; Koor, Margus; **Koppel, Tiit** Advances in engineering software 2015 / p. 108-113 : ill <https://doi.org/10.1016/j.advengsoft.2015.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Real-time monitoring of solar modules manufacturing**

**Tšukrejev, Pavel; Kruuser, Kaarel; Gorbachev, Georgy; Karjust, Kristo; Majak, Jüri** International journal of engineering research in Africa 2020 / p. 9-13 <https://doi.org/10.4028/www.scientific.net/JERA.51.9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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

**A real-time simulation for P2P energy trading using a distributed algorithm**

**Zahraoui, Younes; Korötko, Tarmo; Rosin, Argo;** Khalil Zidane, T. E.; Mekhilef, Saad IEEE Access 2024 / p. 44135-44146  
<https://doi.org/10.1109/ACCESS.2024.3369899> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent contributions, future prospects and limitations of interlinking converter control in hybrid AC/DC microgrids**

**Najafzadeh, Mahdiyyeh; Ahmadihangar, Roya; Husev, Oleksandr; Roasto, Indrek; Jalakas, Tanel; Blinov, Andrei** IEEE Access 2021 / art. 9312595, p. 7960–7984 <https://doi.org/10.1109/ACCESS.2020.3049023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recycling of waste printed circuit boards by mechanical milling**

**Goljandin, Dmitri; Kulu, Priit; Klauson, Aleksander; Antonov, Maksim** Proceedings of the Estonian Academy of Sciences 2024 / p. 43-49 <https://doi.org/10.3176/proc.2024.1.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reducing energy consumption with IoT prototyping**

Saari, Mika; Sillberg, Pekka; Grönman, Jere; **Henno, Jaak** Acta Polytechnica Hungarica : journal of applied sciences at Budapest Polytechnic Hungary 2019 / p. 73–91 : ill <https://doi.org/10.12700/APH.16.9.2019.9.5> [http://acta.uni-obuda.hu/Saari\\_Sillberg\\_Gronman\\_Kuusisto\\_Rantanen\\_Jaakkola\\_Henno\\_96.pdf](http://acta.uni-obuda.hu/Saari_Sillberg_Gronman_Kuusisto_Rantanen_Jaakkola_Henno_96.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Regime shifts in the surface-level average air flow over the Gulf of Finland during 1981-2010**

**Keevallik, Sirje; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2014 / p. 428-437 : ill [https://artiklid.elnet.ee/record=b2707382\\*est](https://artiklid.elnet.ee/record=b2707382*est) <https://doi.org/10.3176/proc.2014.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Relmagine lab : bridging the gap between hands-on, virtual and remote control engineering laboratories using digital twins and extended reality**

**Alsaleh, Saleh Ragheb Saleh; Tepljakov, Aleksei; Köse, Ahmet; Belikov, Juri; Petlenkov, Eduard** IEEE Access 2022 / p. 89924-889943 : ill <https://doi.org/10.1109/ACCESS.2022.3199371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Remarks on the realization of time-varying systems**

**Kotta, Ülle; Moog, Claude; Tõnso, Maris** Proceedings of the Estonian Academy of Sciences 2018 / p. 208-216 [http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_3/proc-2018-3-207-216.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_3/proc-2018-3-207-216.pdf) <https://doi.org/10.3176/proc.2018.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Removal of heavy metals and total organic carbon from wastewater using powdered activated carbon**

**Lember, Erki; Pachel, Karin; Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2019 / p. 100–110 : ill <https://doi.org/10.3176/proc.2019.1.10> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_1/proc-2019-1-100-110.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-100-110.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Research methodology for the development of a framework for managing post-disaster housing reconstruction**

**Bilau, Abdulquadri Ade; Witt, Emlyn David Qivitoq; Lill, Irene** Procedia engineering 2018 / p. 598-605 : ill <https://doi.org/10.1016/j.proeng.2018.01.077> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Research of the possibility of producing finely divided materials from natural raw materials for reactive powder concretes by mechanochemistry**

Abramov, M.A.; Stepanov, E.G.; **Goljandin, Dmitri;** Dobrokhotov, V.B. Journal of physics : conference series 2019 / art. 012023, 5 p. : ill <https://doi.org/10.1088/1757-899X/666/1/012023> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Resource-aware scene text recognition using learned features, quantization, and contour-based character extraction**

**Ademola, Olutosin Ajibola; Petlenkov, Eduard; Leier, Mairo** IEEE Access 2023 / p. 56865 - 56874 <https://doi.org/10.1109/ACCESS.2023.3283931> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Re-use and recycling of different electrical machines**

**Rassõlkin, Anton; Kallaste, Ants;** Orlova, Svetlana; **Gevorkov, Levon; Vaimann, Toomas; Belahcen, Anouar** Latvian journal of physics and technical sciences 2018 / p. 13-23 : ill <https://doi.org/10.2478/lpts-2018-0025> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Review of basic classes of dividers based on division algorithm**

**Patankar, Udayan Sunil; Koel, Ants** IEEE Access 2021 / p. 23035-23069 <https://doi.org/10.1109/ACCESS.2021.3055735> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A review of harmonic detection, suppression, aggregation and estimation techniques**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Raja, Hadi Ashraf; Sardar, Muhammad Usman** Applied sciences 2024 / art. 10966 <https://doi.org/10.3390/app142310966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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

**A review on potential use of low-temperature water in the urban environment as a thermal-energy source**

**Laanearu, Janek**; Borodinecs, Anatolijs; Rimeika, M.; Palm, B. IOP conference series : materials science and engineering 2017 / art. 012054, p. 1-9 : ill <https://doi.org/10.1088/1757-899X/251/1/012054> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A review on the green synthesis of silver nanoparticles and their morphologies studied via TEM**

Rauwel, Protima; **Küünal, Siim**; Ferdov, Stanislav; **Rauwel, Erwan** Advances in materials science and engineering 2015 / p. 1-9 : ill <https://doi.org/10.1155/2015/682749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Review, analysis, and implementation of path selection strategies for 2D NoCs**

Singh, Rajendra; Bohra, Manoj Kumar; Hemrajani, Prashant; Kalla, Anshuman; Bhatt, Devershi Pallavi; Purohit, Nitin; **Daneshtalab, Masoud** IEEE Access 2022 / p. 129245 - 129268 <https://doi.org/10.1109/ACCESS.2022.3227460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The rising role of big data analytics and IoT in disaster management : recent advances, taxonomy and prospects**

Shah, Syed Attique; Seker, Dursun Zafer; Hameed, Sufian; **Draheim, Dirk** IEEE Access 2019 / Art. nr. 8698814 <https://doi.org/10.1109/ACCESS.2019.2913340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Risk assessment approach for a virtual enterprise of small and medium-sized enterprises**

**Mahmood, Kashif**; Ševtšenko, Eduard; Karaulova, Tatjana; **Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2018 / p. 17-27 : ill <https://doi.org/10.3176/proc.2017.4.27> [http://www.eester.ee/record=b2355998\\*est](http://www.eester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Road condition estimation using deep learning with hyperspectral images : detection of water and snow**

**Valme, Daniil**; Galindos, Javier; **Chamara Liyanage, Dhanushka**; **Chamara Liyanage, Dhanushka** Proceedings of the Estonian Academy of Sciences 2024 / p. 77-91 <https://doi.org/10.3176/proc.2024.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Robust design optimization and emerging technologies for electrical machines: challenges and open problems**

Orosz, Tamas; **Rassõlkin, Anton**; **Kallaste, Ants**; Arsenio, Pedro; Panek, David; Kaska, Jan; Karban, Pavel Applied sciences 2020 / art. 6653, 33 p. : ill <https://doi.org/10.3390/app10196653> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Role of air cargo and road feeder services for regional airports - case studies from the Baltic Sea region**

**Beifert, Anatoli** Transport and Telecommunication 2016 / p. 87 - 99 <https://doi.org/10.1515/tjt-2016-0008> [Journal metrics at Scopus](#) [Article at Scopus](#)

**ROS middle-layer integration into Unity3D as an interface option for propulsion drive simulations of autonomous vehicles**

**Kuts, Vladimir**; **Rassõlkin, Anton**; Jegorov, Sergei; **Rjabtšikov, Viktor** Proceedings of the Estonian Academy of Sciences 2021 / p. 392-398 : ill <https://doi.org/10.3176/proc.2021.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**SECA regulatory impact assessment: administrative burden costs in the Baltic Sea region**

**Olaniyi, Eunice Omolola**; Prause, Gunnar Klaus Transport and telecommunication 2019 / p. 62-73 : ill <https://doi.org/10.2478/tjt-2019-0006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A secure data infrastructure for personal manufacturing based on a novel key-less, byte-less encryption method**

**Vedešin, Anton**; Dogru, John Mehmet Ulgar; Liiv, Innar; **Ben Yahia, Sadok**; **Draheim, Dirk** IEEE Access 2020 / p. 40039-40056 : ill <https://doi.org/10.1109/ACCESS.2019.2946730> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of diamond-containing or postnitrided materials intended for impact-abrasive conditions: experimental and analytical study**

**Rahmani Ahranjani, Ramin**; Antonov, Maksim; Kollo, Lauri Advances in materials science and engineering 2019 / art. 4210762 ; 11 p. : ill <https://doi.org/10.1155/2019/4210762> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Semi-empirical method for estimation of energy losses in a large-scale pipeline**

**Laanearu, Janek**; Annus, Ivar; Sergejeva, Monika; Koppel, Tiit Procedia engineering 2014 / p. 969-977 : ill <https://doi.org/10.1016/j.proeng.2014.02.108> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Sequence to sequence hybrid Bi-LSTM model for traffic speed prediction**

**Ounoughi, Chahinez**; **Ben Yahia, Sadok** Expert systems with applications 2024 / art. 121325 <https://doi.org/10.1016/j.eswa.2023.121325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Shape classification using hydrodynamic detection via a sparse large-scale 2D-sensitive artificial lateral line**

Wolf, Ben J.; Pirih, Primož; **Kruusmaa, Maarja**; Van Netten, Sietse M. IEEE Access 2020 / p. 11393 - 11404  
<https://doi.org/10.1109/ACCESS.2020.2965316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Shock wave propagation in nonlinear microstructured wool felt**

**Stulov, Anatoli**; Erofeev, Vladimir Proceedings of the Estonian Academy of Sciences 2015 / p. 361-367 : ill  
[https://artiklid.elnet.ee/record=b2740570\\*est](https://artiklid.elnet.ee/record=b2740570*est) <https://doi.org/10.3176/proc.2015.3S.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SHS produced TiB<sub>2</sub>-Si powders for selective laser melting of ceramic-based composite**

**Liu, Le**; Aydinyan, Sofiya; Minasyan, Tatevik; Hussainova, Irina Applied sciences 2020 / art. 3283, 12 p. : ill  
<https://doi.org/10.3390/app10093283> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist**

Lapsa, Didzis; **Metshein, Margus**; Krivošei, Andrei; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 <https://doi.org/10.3390/app14219632> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Signals in nerves from the philosophical viewpoint**

**Engelbrecht, Jüri**; Tamm, Kert; **Peets, Tanel** Proceedings of the Estonian Academy of Sciences 2022 / p. 369-375 : ill  
<https://doi.org/10.3176/proc.2022.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Significant impact of the Rh blood group and gender on influenza infection in Estonia**

**Kärdi, Liina**; Nutt, Anu; Suurväli, Jaanus; Siimut, Siim Erik; Põdersoo, Diivi; Saar, Tiiu; **Tiivel, Toomas**, geenit.; **Rüütel Boudinot, Sirje** Proceedings of the Estonian Academy of Sciences 2016 / p. 195-204 : ill <https://doi.org/10.3176/proc.2016.3.04>  
[https://artiklid.elnet.ee/record=b2798391\\*est](https://artiklid.elnet.ee/record=b2798391*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Silver metal nanoparticles study for biomedical and green house applications**

**Rauwel, Erwan**; Simon-Gracia, Lorena; Guha, Mithu; **Rauwel, Protima**; **Küünal, Siim**; Wragg, David IOP conference series : materials science and engineering 2017 / art. 012011, p. 1-5 : ill <https://doi.org/10.1088/1757-899X/175/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Silver nanoparticles : synthesis, properties, and applications**

Rauwel, Protima; **Rauwel, Erwan**; Ferdov, Stanislav; Singh, Mangala P. Advances in materials science and engineering 2015 / p. 1-2 <https://doi.org/10.1155/2015/624394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Silver nanoparticles study for application in green housing**

**Küünal, Siim**; **Kutti, Sander**; Guha, Mithu; Rauwel, Protima; Wragg, David; Nurk, Gunnar; **Rauwel, Erwan** ECS transactions 2015 / p. 15-24 <https://doi.org/10.0.4.125/06447.0015ecst> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **A simple space vector modulation method with DC-link voltage balancing and reduced common-mode voltage strategy for a three-level T-type quasi-Z source inverter**

Mayorga, Nicolas; Roncero-Clemente, Carlos; Llor, Ana M.; **Husev, Oleksandr** IEEE Access 2021 / art. 9447724, p. 82747-82760  
<https://doi.org/10.1109/ACCESS.2021.3087035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simple visual tool to analyse pump battery efficiencies for various pump combinations**

**Sunela, Markus**; **Puust, Raido** Procedia engineering 2014 / p. 525-532 : ill <https://doi.org/10.1016/j.proeng.2014.11.474> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Simulation based feasibility analysis of autonomously movable robot arm**

**Vaher, Kristo**; **Mahmood, Kashif**; **Otto, Tauno**; **Riives, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 422-428 : ill <https://doi.org/10.3176/proc.2021.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simulation of solitary wave propagation in carbon fibre reinforced polymer**

**Lints, Martin**; **Salupere, Andrus**; Dos Santos, Serge Proceedings of the Estonian Academy of Sciences 2015 / p. 297-303 : ill  
<https://doi.org/10.3176/proc.2015.3.14> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simulation of the hot deformation and fracture behavior of reduced activation ferritic/martensitic 13CrMoNbV steel**

**Shaikh, Asad Alamgir**; Churyumov, Alexander; Pozdniakov, Andrey; Churyumo, Tatiana Applied sciences 2020 / art. 530 ; 12 p. : ill  
<https://doi.org/10.3390/app10020530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simulations of propane and butane gas sensor based on pristine armchair graphene nanoribbon**

**Rashid, Muhammad Haroon**; **Koel, Ants**; **Rang, Toomas** IOP conference series : materials science and engineering 2018 / art. 012001, 8 p <https://doi.org/10.1088/1757-899X/362/1/012001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Simultaneous determination of $\gamma$ -hydroxybutyric acid, ibotenic acid and psilocybin in saliva samples by capillary electrophoresis coupled with a contactless conductivity detector**

**Saar-Reismaa, Piret**; **Kulp, Maria**; **Vaher, Merike**; **Kaljurand, Mihkel**; **Mazina-Šinkar, Jekaterina** Analytical methods 2017 / p.

**Situation awareness via Internet of things and in-network data processing**

**Ehala, Johannes; Kaugerand, Jaanus; Pahtma, Raido; Astapov, Sergei; Riid, Andri; Tomson, Timo; Preden, Jürjo-Sören; Mõtus, Leo** International journal of distributed sensor networks 2017 / p. 1-21 : ill <https://doi.org/10.1177/1550147716686578> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Small magnus wind turbine : modeling approaches**

**Lukin, Aleksandr; Demidova, Galina; Rassõlkin, Anton;** Lukichev, Dmitry; **Vaimann, Toomas;** Anuchin, Alecksey Applied sciences 2022 / art. 1884 <https://doi.org/10.3390/app12041884> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Mora, Luca;** Gerli, Paolo; Ardito, Lorenzo; Messeni Petruzzelli, Antonio Technovation 2023 / art. 102717 <https://doi.org/10.1016/j.technovation.2023.102717> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Roy, Sanjit K.; Singh, Gaganpreet; Hollebeek, Linda Desiree;** Shabnam, Saadia; Japutra, Arnold; van Doorn, Sebastian; Ray, Subhasis; Appio, Francesco Paolo Technovation 2024 / art. 103097 <https://doi.org/10.1016/j.technovation.2024.103097> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Jasnetski, Artjom; Ubar, Raimund-Johannes; Tšertov, Anton; Brik, Marina** Proceedings of the Estonian Academy of Sciences 2014 / p. 48-61 : ill [https://artiklid.elnet.ee/record=b2665215\\*est](https://artiklid.elnet.ee/record=b2665215*est) <https://doi.org/10.3176/proc.2014.1.08> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Some approximate Gauss–Newton-type methods for nonlinear ill-posed problems**

**Kangro, Inga;** Kangro, Raul; **Vaarmann, Otu** Proceedings of the Estonian Academy of Sciences 2013 / p. 227-237 [https://artiklid.elnet.ee/record=b2651797\\*est](https://artiklid.elnet.ee/record=b2651797*est) <https://doi.org/10.3176/proc.2013.4.03> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Spark plasma sintering of layered  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>/graphene reinforced nanocomposites**

**Saffarshamshirgar, Ali; Ivanov, Roman; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 140–144 : ill <https://doi.org/10.3176/proc.2019.2.04> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-140-144.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-140-144.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Eelsalu, Maris;** Montoya, Ruben D.; Aramburo, Darwin; Osorio, Andres F.; **Soomere, Tarmo** Renewable energy 2024 / art. 120180 <https://doi.org/10.1016/j.renene.2024.120180> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Stabilization and stability robustness of coupled non-constant parameter time fractional PDEs**

**Chen, Juan; Tepljakov, Aleksei; Petlenkov, Eduard** IEEE Access 2019 / p. 163969 - 163980 : ill <https://doi.org/10.1109/ACCESS.2019.2951058> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Averbukh, Elena; Talipova, Tatyana; Kurkin, Andrey; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2014 / p. 417-427 : ill <https://doi.org/10.3176/proc.2014.4.07> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**Danaila, Ionut; Kaplanski, Felix;** Sazhin, Sergei Vortex Ring Models 2021 / p. 17-49 [https://doi.org/10.1007/978-3-030-68150-0\\_2](https://doi.org/10.1007/978-3-030-68150-0_2) Article collection metrics at Scopus Article at Scopus

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Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer Proceedings of the Estonian Academy of Sciences 2016 / p. 138-143 : ill <https://doi.org/10.3176/proc.2016.2.09> [https://artiklid.elnet.ee/record=b2768217\\*est](https://artiklid.elnet.ee/record=b2768217*est) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Bendikiene, Regita; Surženkov, Andrei; Tkachivskyi, Dmytro; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer; Antonov, Maksim; Kulu, Priit Proceedings of the Estonian Academy of Sciences 2019 / p. 150–157 : ill <https://doi.org/10.3176/proc.2019.2.06> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-150-157.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-150-157.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Kangru, Tavo; Riives, Jüri; Mahmood, Kashif; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2019 / p. 383–388 : ill [http://www.kirj.ee/32687/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32687/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.06> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Super twisting sliding mode control strategy for input series output parallel converters

Guler, Naki; Bayhan, Sertac; Fesli, Ugur; Blinov, Andrei; Vinnikov, Dmitri IEEE Access 2023 / p. 107394-107403 <https://doi.org/10.1109/ACCESS.2023.3320178> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Guowei, Cai; Xuan, Lei; Zhenglong, Sun; Bo, Gao; Xiaoqiang, Wei; Hao, Yang; Belikov, Juri; Levron, Yoash Renewable energy 2024 / art. 119983, 18 p. : ill <https://doi.org/10.1016/j.renene.2024.119983> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Bertl, Markus; Ross, Peeter; Draheim, Dirk Expert Systems with Applications 2022 / art. 117464, 14 p. : ill <https://doi.org/10.1016/j.eswa.2022.117464> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Perez, Tiago Diadami; Pagliarini, Samuel Nascimento IEEE Access 2020 / p. 184013-184035 <https://doi.org/10.1109/ACCESS.2020.3029339> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Alam, Muhammad Mahtab; Malik, Hassan; Khan, Muhidul Islam; Pardy, Tamas; Kuusik, Alar; Le Moullec, Yannick IEEE Access 2018 / p. 36611-36631 : ill <https://doi.org/10.1109/ACCESS.2018.2853148> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Kuts, Vladimir; Modoni, Gianfranco E.; Otto, Tauno; Sacco, Marco; Tähemaa, Toivo; Bondarenko, Yevhen; Wang, Ruxin Proceedings of the Estonian Academy of Sciences 2019 / p. 364–370 : ill [http://www.kirj.ee/32660/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32660/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.03> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Sardar, Jagannath; Mäeorg, Uno; Krasnou, Illia; Baddam, Vikram; Gudkova, Viktoria; Krumme, Andres; Savest, Natalja; Tarasova, Elvira; Viirsalu, Mihkel IOP conference series : materials science and engineering 2016 / p. 1-5 : ill <https://doi.org/10.1088/1757-899X/111/1/012021> Conference Proceedings at Scopus Article at Scopus Article at WOS

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Aps, Robert; Fetissov, Mihail; Goerlandt, Floris; Kujala, Pentti; Piel, Are Procedia engineering 2017 / p. 2-12 : ill <https://doi.org/10.1016/j.proeng.2017.03.090> Conference proceedings at Scopus Article at Scopus Article at WOS

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Gromöko, Inga; Dedova, Tatjana; Krunks, Malle; Sõritski, Vitali; Mere, Arvo; Mikli, Valdek; Unt, Tarmo; Oja Acik, Ilona IOP conference series : materials science and engineering 2015 / p. 1-5 : ill <https://doi.org/10.1088/1757-899X/77/1/012012> Conference proceedings at Scopus Article at Scopus Article at WOS

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**Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed** Applied sciences 2020 / art. 7572, 15 p. : ill <https://doi.org/10.3390/app10217572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Blank, Kätlin; Loigu, Enn; Laugaste, Reet; Haberman, Juta** Proceedings of the Estonian Academy of Sciences 2017 / p. 18-28 : ill <https://doi.org/10.3176/proc.2017.1.02> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [https://artiklid.elnet.ee/record=b2816053\\*est](https://artiklid.elnet.ee/record=b2816053*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Bartosiewicz, Zbigniew; Pawluszewicz, Ewa; Wyrwas, Małgorzata; Kotta, Ülle; Tõnso, Maris** Proceedings of the Estonian Academy of Sciences 2018 / p. 193–206 <https://doi.org/10.3176/proc.2018.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Michalczewski, Remigiusz; Kalbarczyk, Marek; Słomka, Zbigniew; Liu, Le; Antonov, Maksim; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2021 / p. 500-507 : ill <https://doi.org/10.3176/proc.2021.4.18> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; Mellikov, Enn; Aragon, Rebeca; Kerm, Karin; Naidu, Revathi; Mikli, Valdek; Volobujeva, Olga** Proceedings of the Estonian Academy of Sciences 2015 / p. 488-494 : ill

**Thermal properties of calcium-aluminate based materials**

**Kulu, Priit; Goljandin, Dmitri; Traksmäa, Rainer; Kaljuvee, Tiit; Gregor, Andre** Proceedings of the Estonian Academy of Sciences 2021 / p. 508-515 : ill <https://doi.org/10.3176/proc.2021.4.19> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermodynamic behaviour of proton exchange membrane fuel cell under different thermal treatment regimes**

**Kesküll, Konon; Podgurski, Vitali** Proceedings of the Estonian Academy of Sciences 2024 / p. 361-365  
<https://doi.org/10.3176/proc.2024.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**3D computer drawing competition CADrina**

**Nõmm, Aurika; Mägi, Rein; Meister, Külli** IOP conference series : materials science and engineering 2019 / art. 012012, 5 p. : ill  
<https://doi.org/10.1088/1757-899X/660/1/012012> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Three-phase bidirectional isolated AC-DC matrix-converter with full soft-switching range**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Emiliani, Pietro; Chub, Andrii; Vinnikov, Dmitri** IEEE Access 2023 / p. 119270-119283 <https://doi.org/10.1109/ACCESS.2023.3327224> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Throughput and channel aware MAC scheduling for SmartBAN standard**

**Khan, Rida; Alam, Muhammad Mahtab; Paso, Tuomas; Haapola, Jussi** IEEE Access 2019 / p. 63133-63145 : ill  
<https://doi.org/10.1109/ACCESS.2019.2916159> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**TiAlN coatings tribology for textile machinery parts**

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**Time dependency of current harmonics for switch-mode power supplies**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Demidova, Galina** Applied sciences 2020 / art. 7806, 12 p. : ill <https://doi.org/10.3390/app10217806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Time-efficient automated analysis for fibre orientations in steel fibre reinforced concrete**

**Pastorelli, Emiliano; Herrmann, Heiko** Proceedings of the Estonian Academy of Sciences 2016 / p. 28-36 : ill  
<https://doi.org/10.3176/proc.2016.1.02> [https://artiklid.elnet.ee/record=b2760711\\*est](https://artiklid.elnet.ee/record=b2760711*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Time-selective data fusion for in-network processing in ad hoc wireless sensor networks**

**Kaugerand, Jaanus; Ehala, Johannes; Mõtus, Leo; Preden, Jürjo-Sören** International journal of distributed sensor networks 2018 / p. 1-17 : ill <https://doi.org/10.1177/1550147718811302> [Journal metrics at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**TiO<sub>2</sub> thin films by ultrasonic spray pyrolysis**

**Chen, Zengjun; DüNDAR, Ibrahim; Oja Acik, Ilona; Mere, Arvo** IOP conference series : materials science and engineering 2019 / art. 012006, 7 p. : ill <https://doi.org/10.1088/1757-899X/503/1/012006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**TiO<sub>2</sub>:Sm<sup>3+</sup> based luminescent oxygen sensitive probes in LDPE packaging material**

**Tikk, Taavi; Paara, Tõnis; Eltermann, Marko; Krumme, Andres; Jaaniso, Raivo; Kiisk, Valter; Lange, Sven** Proceedings of the Estonian Academy of Sciences 2017 / p. 450-454 : ill <https://doi.org/10.3176/proc.2017.4.16> [https://artiklid.elnet.ee/record=b2830833\\*est](https://artiklid.elnet.ee/record=b2830833*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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<https://doi.org/10.1109/ACCESS.2020.3017805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Didenkulova, Irina**; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill <https://doi.org/10.3176/proc.2013.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Mullari, Tanel**; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2021 / p. 235-247 <https://doi.org/10.3176/proc.2021.3.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transformation of nonlinear discrete-time state equations into the observer form : revision**

**Mullari, Tanel**; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2023 / p. 1-5 <https://doi.org/10.3176/proc.2023.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors**

**Asad, Bilal**; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; Shams Ghahfarokhi, Payam; **Kudelina, Karolina** Applied sciences 2021 / 17 p. : ill <https://doi.org/10.3390/app11062806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transportation of dangerous goods in green transport corridors - conclusions from Baltic Sea region**

Schröder, Meike; **Prause, Gunnar Klaus** Transport and telecommunication 2016 / p. 322-334 : ill <https://doi.org/10.1515/tjt-2016-0029> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Trends and challenges in intelligent condition monitoring of electrical machines using machine learning**

**Kudelina, Karolina**; **Vaimann, Toomas**; **Asad, Bilal**; **Rassõlkin, Anton**; **Kallaste, Ants**; **Demidova, Galina** Applied sciences 2021 / art. 2761, 19 p. : ill <https://doi.org/10.3390/app11062761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tribological and circular economy aspects of polypropylene/cotton fibre hybrid composite**

**Hussain, Abrar**; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Kumar, Rahul**, 1993-; **Kamboj, Nikhil Kumar**; **Rahmani Ahranjani, Ramin**; **Viljus, Mart**; Ahmad, Tahir; **Krumme, Andres**; **Krasnou, Illia** Proceedings of the Estonian Academy of Sciences 2022 / p. 186-193 : ill <https://doi.org/10.3176/proc.2022.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tribology of alumina materials for the circular economy of manufacturing textile industries**

**Hussain, Abrar**; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Viljus, Mart** Proceedings of the Estonian Academy of Sciences 2021 / lk. 215-220 : ill <https://doi.org/10.3176/proc.2021.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A tutorial on dynamics and control of power systems with distributed and renewable energy sources based on the DQ0 transformation**

Levron, Yoash; **Belikov, Juri**; Baimel, Dmitry Applied sciences 2018 / art. 1661, 48 p. : ill <https://doi.org/10.3390/app8091661> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A Two-layered approach for the validation of an operational autonomous shuttle**

**Malayjerdi, Mohsen**; Goss, Quentin A.; Akbas, Mustafa Ilhan; **Sell, Raivo**; **Bellone, Mauro** IEEE Access 2023 / p. 89124–89137 <https://doi.org/10.1109/ACCESS.2023.3306602> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**UAV and SWIPT assisted disaster aware clustering and association**

Hassan, Ali; Ahmad, Rizwan; Ahmed, Waqas; Magarini, Maurizio; **Alam, Muhammad Mahtab** IEEE Access 2020 / p. 204791–204803 <https://doi.org/10.1109/ACCESS.2020.3035959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ultra-high step-up DC-DC converters based on center-tapped inductors**

Tarzamni, Hadi; **Vosoughi Kurdkandi, Naser**; Gohari, Homayon Soltani; Lehtonen, Matti; **Husev, Oleksandr**; Blaabjerg, Frede IEEE Access 2021 / p. 136373-136383 : ill <https://doi.org/10.1109/ACCESS.2021.3117856> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An ultra-scalable blockchain platform for universal asset tokenization : design and implementation**

**Buldas, Ahto**; **Draheim, Dirk**; Gault, Mike; Laanoja, Risto; Nagumo, Takehiko; Saarepera, Märt; Shah, Syed Attique; Simm, Joosep; Steiner, Jamie; **Tammet, Tanel**; Truu, Ahto IEEE Access 2022 / p. 77284-77322 : ill <https://doi.org/10.1109/ACCESS.2022.3192837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ultrasound assisted mixing of zinc active mass with conductive ceramic additives for Ni-Zn battery**

Petrova, V.; Stoyanova-Ivanova, Angelina; Lilov, P.; Petkov, O.; Ivanova, B.; Karamanova, B.; Stoyanova, A.; **Mikli, Valdek** ECS transactions 2019 / p. 227-234 <https://iopscience.iop.org/article/10.1149/09501.0227ecst> <https://doi.org/10.1149/09501.0227ecst> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Uncertainty in automated ontology matching: lessons from an empirical evaluation**

Osman, Inès; Pileggi, Salvatore Flavio; **Ben Yahia, Sadok** Applied Sciences (Switzerland) 2024 / art. 4679, 19 p. : ill <https://doi.org/10.3390/app14114679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Uncommon reaction in 4-formyl phenols - substitution of the formyl group**

Lopušanskaja, Eleana; Paju, Anne; **Lopp, Margus** Proceedings of the Estonian Academy of Sciences 2024 / p. 1-5 <https://doi.org/10.3176/proc.2024.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**University ownership and information about the entrepreneurial opportunity in commercialisation : a systematic review and realist synthesis of the literature**

Kalantaridis, Christos; **Küttim, Merle** Journal of Technology Transfer 2021 / p. 1487-1531 <https://doi.org/10.1007/s10961-019-09757-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Urban open platform for borderless smart cities**

**Soe, Ralf-Martin**; Ruohomäki, Timo; **Patzig, Henry** Applied sciences 2022 / art. 700 <https://doi.org/10.3390/app12020700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Use case of Autonomous Vehicle shuttle and passenger acceptance analysis**

**Kalda, Krister**; **Sell, Raivo**; **Soe, Ralf-Martin** Proceedings of the Estonian Academy of Sciences 2021 / p. 429-436 : ill <https://doi.org/10.3176/proc.2021.4.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**User-centred design in industrial collaborative automated systems**

**Pizzagalli, Simone Luca**; Kuts, Vladimir; **Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2021 / p. 436-443 : ill <https://doi.org/10.3176/proc.2021.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilizing Continuous Time Markov Chain for analyzing video-on-demand streaming in multimedia systems**

Ghosh, Debjani; Pandey, Mayank; Gautam, Chakrapani; Vidyarthi, Ankit; **Sharma, Rahul**; **Draheim, Dirk** Expert Systems with Applications 2023 / art. 119857, 24 p.: ill <https://doi.org/10.1016/j.eswa.2023.119857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Value-centric business development : descriptive and prescriptive research into five different companies**

**Kukuškin, Merili**; **Otto, Tauno**; Howard, Thomas J. Proceedings of the Estonian Academy of Sciences 2015 / p. 543-557 : ill [https://artiklid.elnet.ee/record=b2750884\\*est](https://artiklid.elnet.ee/record=b2750884*est) <https://doi.org/10.3176/proc.2015.4S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Variation of bending strength of fiber reinforced concrete beams due to fiber distribution and orientation and analysis of microstructure**

**Herrmann, Heiko**; Boris, R.; **Goidyk, Oksana**; **Braunbrück, Andres** IOP conference series : materials science and engineering 2019 / art. 012059, 11 p. : ill <https://doi.org/10.1088/1757-899X/660/1/012059> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Water-column mass losses during the emptying of a large-scale pipeline by pressurized air**

**Laanearu, Janek**; Hou, Qingzhi; **Annus, Ivar**; Tijsseling, Arris S. Proceedings of the Estonian Academy of Sciences 2015 / p. 8-16 : ill [https://artiklid.elnet.ee/record=b2717477\\*est](https://artiklid.elnet.ee/record=b2717477*est) <https://doi.org/10.3176/proc.2015.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Article at WOS](#)

### **Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence**

**Daniel, Kamran**; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek**; **Parker, Martin** IEEE Access 2023 / p. 42276-42289 : ill <https://doi.org/10.1109/ACCESS.2023.3270805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wear of potential tool materials for aluminium alloys friction stir welding at weld temperatures**

**Kolnes, Mart**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** Proceedings of the Estonian Academy of Sciences 2019 / p. 198-206 : ill <https://doi.org/10.3176/proc.2019.2.12> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-198-206.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-198-206.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr<sub>3</sub>C<sub>2</sub>-Ni spray powder**

**Sarjas, Heikki**; **Kulu, Priit**; **Juhani, Kristjan**; **Viljus, Mart**; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill [https://artiklid.elnet.ee/record=b2768209\\*est](https://artiklid.elnet.ee/record=b2768209*est) <https://doi.org/10.3176/proc.2016.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Verification of modelled locations of coastal areas exposed to current-driven pollution in the Gulf of Finland by using surface drifters**

**Viikmäe, Bert**; **Torsvik, Tomas**; **Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 405-416 : ill [https://artiklid.elnet.ee/record=b2740578\\*est](https://artiklid.elnet.ee/record=b2740578*est) <https://doi.org/10.3176/proc.2015.3S.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Virtual labs for higher education in industrial engineering**

Terkaj, Walter; Kleine, Kari; **Kuts, Vladimir** Proceedings of the Estonian Academy of Sciences 2024 / p. 142-149 <https://doi.org/10.3176/proc.2024.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Viscous vortex rings**

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 51-86 [https://doi.org/10.1007/978-3-030-68150-0\\_3](https://doi.org/10.1007/978-3-030-68150-0_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Viscous vortex rings with elliptical cores**

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 87 - 102 [https://doi.org/10.1007/978-3-030-68150-0\\_4](https://doi.org/10.1007/978-3-030-68150-0_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

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**Lavin, Jaak**; **Riives, Jüri**; **Kaganski, Sergei**; **Lemmik, Rivo**; **Paavel, Marko**; Koov, Kaspar Proceedings of the Estonian Academy of Sciences 2015 / p. 558-566 : ill [https://artiklid.elnet.ee/record=b2750887\\*est](https://artiklid.elnet.ee/record=b2750887*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The vortex ring problem**

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 1-15 [https://doi.org/10.1007/978-3-030-68150-0\\_1](https://doi.org/10.1007/978-3-030-68150-0_1) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Would engineers need non-technical skills or non-technical competences or both?**

**Parts, Velli**; **Teichmann, Mare**; **Rüütman, Tiia** International journal of emerging technologies in learning (iJET) 2020 / p. 14-19 <https://doi.org/10.3991/ijep.v3i2.2405> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Ways to increase population mobility through the transition to sustainable transport**

Makarova, Irina; **Pashkevich, Anton**; Shubenkova, Ksenia; Mukhametdinov, Eduard Procedia engineering 2017 / p. 756-762 : ill <https://doi.org/10.1016/j.proeng.2017.04.434> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)