

A textual domain specific language for user interface modelling

Karu, Mart Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 985-996
https://doi.org/10.1007/978-1-4614-3558-7_84 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Acoustic study on motorcycle helmets with application of novel porous material

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

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

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

Acoustical methods for investigating turbocharger flow instabilities

Kabral, Raimo; Rämmal, Hans; Abom, Mats SAE Technical Papers 2013 <https://doi.org/10.4271/2013-01-1879> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

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

AdAM: adaptive fault-tolerant approximate multiplier for edge DNN accelerators

Taheri, Mahdi; Cherezova, Natalia; Nazari, Samira; Rafiq, Ahsan; Azarpeyvand, Ali; Ghasempouri, Tara; Daneshtalab, Masoud; Raik, Jaan; Jenihhin, Maksim 2024 IEEE European Test Symposium (ETS): ETS 2024 : May 20-24, 2024, The Hague, Netherlands : proceedings 2024 <https://doi.org/10.1109/ETS61313.2024.10567161> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

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

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

An experimental study on the effects of matrix cracking to the stiffness of glass/epoxy cross plied laminates

Lasn, Kaspar; Echtermeyer, Andreas T.; Klauson, Aleksander; Chati, Farid; Decultot, Dominique Composites. Part B: Engineering 2015 / p. 260-268 : ill <https://doi.org/10.1016/j.compositesb.2015.06.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of photocatalytic performance of nanostructured pyrogenic titanium dioxide powders in view of their polydispersity and phase transition : critical anatase particle size as a factor for suppression of charge recombination

Moiseev, Anna; **Kritševskaja, Marina; Qi, Fei; Weber, Alfred; Deubener, Joachim** Chemical engineering journal 2013 / p. 614-621 : ill <https://doi.org/10.1016/j.cej.2013.05.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of the vibration magnitude of an induction motor with different numbers of broken bars

Martinez, Javier; **Belahcen, Anouar; Muetze, Annette** IEEE transactions on industry applications 2017 / p. 2711-2720 : ill <https://doi.org/10.1109/TIA.2017.2657478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region

Ahmadihangar, Roya; Karami, Hossein; Husev, Oleksandr; Blinov, Andrei; Rosin, Argo; Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Any dynamical system is fully accessible through one single actuator and related problems

Kawano, Yu; **Kotta, Ülle; Moog, Claude** International journal of robust and nonlinear control 2016 / p. 1748-1754
<https://doi.org/10.1002/rnc.3379> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of cycle skipping modulation in buck-boost photovoltaic microconverters

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

Application of novel micro-grooved elements to small engine silencer

Auriemma, Fabio; Rämmal, Hans; Lavrentjev, Jüri SAE Technical Papers 2013 / [10] p.: ill <https://www.sae.org/publications/technical-papers/content/2013-32-9001/> <https://doi.org/10.4271/2013-32-9001> [Journal metrics at Scopus](#) [Article at Scopus](#)

An approach to analyze the performance of advanced manufacturing environment

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

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

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

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

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

Basic design principles of nZEB buildings in scoping and conceptual design

Voll, Hendrik; Kosonen, Risto; Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 103-134 : ill https://doi.org/10.1007/978-1-4471-5610-9_7 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Battery technologies in electric vehicles : improvements in electric battery packs

Mohseni, Parham; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard; Romero-Cadaval, Enrique; Tokarski, Igor IEEE industrial electronics magazine 2023 / p. 55-65 <https://doi.org/10.1109/MIE.2023.3252265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bearing fault analysis of BLDC motor for electric scooter application

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

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

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

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

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

BOD/COD ratio as a probing index in the O/H/O process for coking wastewater treatment

Wei, Gengrui; Wei, Tuo; Li, Zemin; Wei, Cong; Kong, Qiaopin; Guan, Xianghong; Qiu, Guanglei; Hu, Yun; Wei, Chaohai; Zhu, Shuang; Liu, Yu; Preis, Sergei Chemical Engineering Journal 2023 / art. 143257 <https://doi.org/10.1016/j.cej.2023.143257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CaF2 solidstate electrolytes prepared by vapor pressure exposure and solid synthesis for defect and ionic conductivity tuning

Molaiyan, Palanivel; Witter, Raiker Material design & processing communications 2020 / art. e76, 6 p. : ill <https://onlinelibrary.wiley.com/doi/epdf/10.1002/mdp2.76> <https://doi.org/10.1002/mdp2.76> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

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

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

Comparative assessment of heat recovery from treated wastewater in the district heating systems of the three capitals of the Baltic countries

Ziemele, Jelena; Volkova, Anna; Latõšov, Eduard; Murauskaite, Lina; Džiuve, Vytautas Energy 2023 / art. 128132 <https://doi.org/10.1016/j.energy.2023.128132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Competition between densification and microstructure of functional materials by Selective Laser Melting
Singh, Neera; Ummethala, Raghunandan; Hameed, Pearlin; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / art. e146, 7 p. : ill <https://doi.org/10.1002/mdp2.146> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Control of radial increment and winding density of composite cylindrical shells
Kutin, Aleksei; **Arjassov, Gennadi; Vu, Trieu Minh;** Musalimov, Victor; Moezzi, Reza; Cyrus, Jindrich MM science journal 2020 / p. 4149-4153 https://doi.org/10.17973/MMSJ.2020_11_2020058 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Controlled bidirectional DC circuit breaker with zero negative current for high load shift applications
Raghavendra I, Venkata; Naik, Satish B.; Sreekanth, Thamballa; **Chub, Andrii** IEEE transactions on industry applications 2022 / p. 6942-6951 <https://doi.org/10.1109/TIA.2022.3193345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Converting Tallinn's historic centre's (Old Town) heating system to a district heating system
Volkova, Anna; Krupenski, Igor; Kovtunova, Natalja; Hlebnikov, Aleksandr; Mašatin, Vladislav; Ledvanov, Aleksandr Energy 2023 / art. 127429 <https://doi.org/10.1016/j.energy.2023.127429> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corporate social responsibility and self-regulation
Alavi, Hamed; Hąbek, Patrycja; Cierna, Helena MM Science Journal 2016 / p. 1121 - 1126 https://doi.org/10.17973/MMSJ.2016_10_201681 [Journal metrics at Scopus](#) [Article at Scopus](#)

Corrigendum to Improvement in iron activation ability ofalachlor Fenton-like oxidation by ascorbic acid [Chem. Eng. J. 281 (2015) 566-574] Doi: 10.1016/j.cej.2015.06.115
Bolobajev, Juri; Trapido, Marina; Goi, Anna Chemical Engineering Journal 2016 / p. 19 <https://doi.org/10.1016/j.cej.2015.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion and life assessment of Intrex™ superheater tubes in a CFB oil shale boiler
Dedov, Andrei; Klevtsov, Ivan; Lausmaa, Toomas; Hlebnikov, Aleksandr; Bojarinova, Tatjana Applied thermal engineering 2016 / p. 468-478 : ill <https://doi.org/10.1016/j.applthermaleng.2015.12.061> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost-benefit analysis of nZEB energy efficiency strategies with on-site photovoltaic generation
Pikas, Ergo; Kurnitski, Jarek; Thalfeldt, Martin; Koskela, Lauri Energy 2017 / p. 291-301 : ill <https://doi.org/10.1016/j.energy.2017.03.158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Critical aspects for collision induced oil spill response and recovery system in ice conditions: A model-based analysis
Lu, Liangliang; Goerlandt, Floris; **Tabri, Kristjan;** Hoglund, Anders; Banda, Osiris A. Valdez; Kujala, Pentti Journal of loss prevention in the process industries 2020 / art. 104198, 20 p. : ill <https://doi.org/10.1016/j.jlp.2020.104198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Crystallization and growth kinetics of Zr65Cu25Ni5Ag2.5Al2.5 glass
Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e137, 10 p. : ill <https://doi.org/10.1002/mdp2.137> [Journal metrics at Scopus](#) [Article at Scopus](#)

Damping of acoustic waves in straight ducts and turbulent flow conditions
Tiikaja, Heiki; Auremma, Fabio; Lavrentjev, Jüri SAE Technical Paper Series : 9th International Styrian Noise, Vibration & Harshness Congress : The European Automotive Noise Conference 2016 / Paper 2016-01-1816, p. 1-9 : ill <https://doi.org/10.4271/2016-01-1816> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

The DC transformer power electronic building block : powering next-generation converter design
Flores-Bahamonde, Freddy; Renaudineau, Hugues; **Chub, Andrii** IEEE industrial electronics magazine 2023 / p. 21-35 <https://doi.org/10.1109/IEE.2022.3147168> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites

Sharma, Shubham; **Singh, Neera**; Kumar, Devendra; Gupta, Sumit; Chaudhary, Vijay; Gupta, Niraj; Gupta, Pallav Journal of Advanced Manufacturing Systems 2023 / p. 603-618 <https://doi.org/10.1142/S0219686723500270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of levofloxacin in aqueous solutions by Fenton, ferrous ion-activated persulfate and combined Fenton/persulfate systems

Epold, Irina; Trapido, Marina; Dulova, Niina Chemical engineering journal 2015 / p. 452-462 : ill

<https://doi.org/10.1016/j.cej.2015.05.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of naproxen by ferrous ion-activated hydrogen peroxide, persulfate and combined hydrogen peroxide/persulfate processes : the effect of citric acid addition

Dulova, Niina; Kattel, Eneliis; Trapido, Marina Chemical engineering journal 2017 / p. 254-263 : ill

<https://doi.org/10.1016/j.cej.2016.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and manufacturing of composite laminates with structural health monitoring capabilities

Herranen, Henrik; Majak, Jüri; Tšukrejev, Pavel; Karjust, Kristo; Märten, Olev Procedia CIRP 2018 / p. 647-652 : ill

<https://doi.org/10.1016/j.procir.2018.03.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design and performance of acoustic metamaterial structure for inlet duct noise attenuation

Lavrentjev, Jüri; Rämmal, Hans SAE Technical Papers 2017 / 2017-32-0066, [6] p. : ill [https://www.sae.org/publications/technical-](https://www.sae.org/publications/technical-papers/content/2017-32-0066/)

[papers/content/2017-32-0066/](https://www.sae.org/publications/technical-papers/content/2017-32-0066/) [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

Sangwongwanich, Ariya; Shen, Yanfeng; Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri; Wang, Huai; Blaabjerg, Frede IEEE

transactions on industry applications 2021 / p. 741-753 <https://doi.org/10.1109/TIA.2020.3030568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Saay, Mohammad Salim; Norta, Alexander Advanced computational and communication paradigms : proceedings of International

Conference on ICACCP 2017, Volume 1 2018 / p. 571-580 https://doi.org/10.1007/978-981-10-8240-5_64 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Designing reliable cyber-physical systems

Aleksandrowicz, Gadi; Arbel, Eli; Bloem, Roderick; Devadze, Sergei; Jenihhin, Maksim; Jutman, Artur; Raik, Jaan; Shibin,

Konstantin Languages, design methods, and tools for electronic system design : selected contributions from FDL 2016 2018 / p. 15-

38 : ill https://doi.org/10.1007/978-3-319-62920-9_2 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Shams Ghahfarokhi, Payam; Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; Belahcen, Anouar; **Vaimann,**

Toomas; Asad, Bilal; Tiismus, Hans Machines 2021 / art. 120 <https://doi.org/10.3390/machines9060120> [Journal metrics at Scopus](#)

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

Development of key performance selection index model

Kaganski, Sergei; Toompalu, Silver Journal of achievements in materials and manufacturing engineering 2017 / p. 33-40 : ill

<https://doi.org/10.5604/01.3001.0010.2077> [Journal metrics at Scopus](#) [Article at Scopus](#)

Developments in cermet design, technology and performance

Kübarssepp, Jakob; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart International journal of materials & product technology 2014 / p. 160-

179 <https://doi.org/10.1504/IJMPT.2014.064046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Difficulties in understanding object oriented programming concepts

Biju, Soly Mathew Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 319 - 326

https://doi.org/10.1007/978-1-4614-3535-8_27 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Kuts, Vladimir; Cherezova, Natalia; Sarkans, Martinš; Otto, Tauno Journal of machine engineering 2020 / p. 53-64

<https://doi.org/10.36897/jme/120182> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Kuts, Vladimir; Otto, Tauno; Tähemaa, Toivo; Bondarenko, Yevhen Journal of machine engineering 2019 / p. 128-145 : ill

<https://doi.org/10.5604/01.3001.0013.0464> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digitalisation of Supply Chain management system for customer quality service improvement

Ševtšenko, Eduard; Maas, Rene; Murumaa, Lea; Karaulova, Tatjana; Raji, Oluwole Ibrahim; Popell, Janek Journal of machine

engineering 2022 / p. 78-90 : ill <https://doi.org/10.36897/jme/147803> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

Do we need capabilities in our management system?

Kangilaski, Taivo; Ševtšenko, Eduard Journal of machine engineering 2017 / p. 88-100 : ill http://www.not.pl/wydawnictwo/abstract_2017_en.html https://wydawnictwo.not.pl/2017JOM/V1/8_KANGILASKI.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

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

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

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

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

Efficient energy recovery from textile waste and biomass mixture

Kramens, Janis; Vigants, Edgars; Kanukuntla, Sai-Pavan; **Goljandin, Dmitri** Engineering for Rural Development ; vol. 22 2023 / p. 817 - 825 <https://doi.org/10.22616/ERDev.2023.22.TF161> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

E-learning environment identification system : error injection and patterns dynamics

Kumlander, Deniss Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 917-924 https://doi.org/10.1007/978-1-4614-3535-8_76 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Electrochemical analysis of friction welded 17-4 PH stainless steel components manufactured by selective laser melting

Dinesh, Lanka; Nitheesh Kumar, R.; **Prashanth, Konda Gokuldoss;** Sivaprasad, K. International journal on interactive design and manufacturing 2023 / 8 p. : ill <https://doi.org/10.1007/s12008-023-01659-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Electrospinning of chitosan biopolymer and polyethylene oxide blends

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

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

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

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

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of different designs to represent missing information in SQL databases

Eessaar, Erki; Saal, Elari Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 173-187 https://doi.org/10.1007/978-1-4614-3535-8_14 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Rezaei, Hossein; **Ghorbani, Majid** International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315

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

Thalfeldt, Martin; Kurnitski, Jarek; Latõšov, Eduard Applied thermal engineering 2018 / p. 402-414 : ill

<https://doi.org/10.1016/j.applthermaleng.2017.09.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

Xue, Tianchen; Jokisalo, Juha; Kosonen, Risto; Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo Applied thermal engineering 2022 / art. 119261, 15 p. : ill

<https://doi.org/10.1016/j.applthermaleng.2022.119261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications

Hussain, Abrar; Goljandin, Dmitri; Podgurski, Vitali; Abbas, Muhammad Mujtaba; Krasnou, Illia Advanced industrial and engineering polymer research 2023 / p. 226-238 : ill

<https://doi.org/10.1016/j.aiepr.2022.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extended investigations on micro-grooved elements - a novel solution for noise control

Auriemma, Fabio; Rämmal, Hans; Lavrentjev, Jüri SAE international journal of materials and manufacturing 2014 / p. 184-194 : ill

<https://doi.org/10.4271/2013-24-0068> [Journal metrics at Scopus](#) [Article at Scopus](#)

Extra cost analyses of two apartment buildings for achieving nearly zero and low energy buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek; Liias, Roode Energy 2015 / p. 623-633 : ill

<https://doi.org/10.1016/j.energy.2015.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fault detecting accuracy of mechanical damages in rolling bearings

Kudelina, Karolina; Baraškova, Tatjana; Shirokova, Veronika; Vaimann, Toomas; Rassõlkin, Anton Machines 2022 / art. 86

<https://doi.org/10.3390/machines10020086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food waste : challenges and opportunities for enhancing the emerging bio-economy

Morone, Piergiuseppe; Koutinas, Apostolis; Gathergood, Nicholas; Arshadi, Mehrdad; Matharu, Avtar Journal of cleaner production 2019 / p. 10-16

<https://doi.org/10.1016/j.jclepro.2019.02.258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A framework for risk assessment for maritime transportation systems - a case study for open sea collisions involving RoPax vessels

Montewka, Jakub; Ehlers, Sören; Tabri, Kristjan Reliability engineering & system safety 2014 / p. 142-157 : ill

<https://doi.org/10.1016/j.ress.2013.11.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuzzy AHP as a tool for prioritization of key performance indicators

Kaganski, Sergei; Majak, Jüri; Karjust, Kristo Procedia CIRP 2018 / p. 1227-1232 : ill

<https://doi.org/10.1016/j.procir.2018.03.097> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Gas-phase photocatalytic degradation of acetone and toluene, and their mixture in the presence of ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge

Kask, Maarja; Bolobajev, Juri; Kritševskaja, Marina Chemical engineering journal 2020 / art. 125815, 9 p. : ill

<https://doi.org/10.1016/j.cej.2020.125815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Grid-connected photovoltaic systems : an overview of recent research and emerging PV converter technology

Kouro, Samir; Leon, Jose I.; Vinnikov, Dmitri; Franquelo, Leopoldo G. IEEE industrial electronics magazine 2015 / p. 47-61 : ill

<https://doi.org/10.1109/MIE.2014.2376976> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hairpin windings for electric vehicle motors : modeling and investigation of AC loss-mitigating approaches

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Cardoso, Antonio J. Marques; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas Machines 2022 / art. 1029

<https://doi.org/10.3390/machines10111029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Harmonic emissions of power electronic devices under different transmission network operating conditions

Božicek, Ambrož; Kilter, Jako; Sarnet, Tanel; Papic, Igor; Blažis, Boštjan IEEE transactions on industry applications 2018 / p. 5216-5226 : ill

<https://doi.org/10.1109/TIA.2018.2808478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature dry sliding wear behaviour of selective laser melted Ti-6Al-4V alloy surfaces

Praveenkumar, Kesavan; Vishnu, Jithin; Samuel, Calvin; Gopal, Vasanth; Arivarasu, Moganraj; Lackner, Jürgen M.; Meier, Benjamin; Karthik, D.; **Prashanth, Konda Gokuldoss**; **Yadav, Mayank Kumar** Journal of materials processing technology 2024 / art. 118439, 12 p. : ill <https://doi.org/10.1016/j.jmatprotec.2024.118439> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes

Rahmani Ahranjani, Ramin; Molan, Katja; Brojan, Miha; **Prashanth, Konda Gokuldoss**; Stopar, David The international journal of advanced manufacturing technology 2022 / p. 975-988 : ill <https://doi.org/10.1007/s00170-022-08878-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-efficiency quad-mode parallel PV power optimizer for DC microgrids

Sidorov, Vadim; **Chub, Andrii**; **Vinnikov, Dmitri** IEEE transactions on industry applications 2023 / p. 1002-1012 <https://doi.org/10.1109/TIA.2022.3208879> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-entropy eutectic composites with high strength and low Young's modulus

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balci, Özge; Cieslak, Grzegorz; Spychalski, Maciej; Kulik, Tadeusz; Eckert, Jürgen Material design & processing communications 2021 / art. e211 <https://doi.org/10.1002/mdp2.211> [Journal metrics at Scopus](#) [Article at Scopus](#)

High-strength fuel pellets made of flour milling and coal slack wastes

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid DC–DC converters with topology morphing control and post-fault operation capability

Vinnikov, Dmitri; **Chub, Andrii**; **Korkh, Oleksandr**; **Blinov, Andrei**; **Liivik, Elizaveta** Electrimacs 2019 : Selected Papers, Vol. 1 2020 / p. 433-445 https://doi.org/10.1007/978-3-030-37161-6_33 [Conference proceeding at Scopus](#) [Article at Scopus](#)

Hydrogen solubility of shale oil containing polar phenolic compounds

Baird, Zachariah Steven; Uusi-Kyyny, Petri; **Oja, Vahur**; Alopaeus, Ville Industrial and engineering chemistry research 2017 / p. 8738-8747 : ill <https://doi.org/10.1021/acs.iecr.7b00966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of the scanning strategy on the mechanical behavior of 316L steel synthesized by selective laser melting

Salman, O. O.; Brenne, F.; Niendor, T.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2019 / p. 255-261 : ill <https://doi.org/10.1016/j.jmapro.2019.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implementation of key performance indicators selection model as part of the enterprise analysis model

Kaganski, Sergei; **Majak, Jüri**; **Karjust, Kristo**; **Toompalu, Silver** Procedia CIRP 2017 / p. 283-288 : ill <https://doi.org/10.1016/j.procir.2017.03.143> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Improved fault classification and localization in power transmission networks using vae-generated synthetic data and machine learning algorithms

Khan, Muhammad Amir; **Asad, Bilal**; **Vaimann, Toomas**; **Kallaste, Ants**; Pomarnacki, Raimondas; Hyunh, Van Khang Machines 2023 / art. 963 <https://doi.org/10.3390/machines11100963> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvement in iron activation ability ofalachlor Fenton-like oxidation by ascorbic acid

Bolobajev, Juri; **Trapido, Marina**; **Goi, Anna** Chemical engineering journal 2015 / p. 566-574 : ill <https://doi.org/10.1016/j.cej.2015.06.115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Industrial collaborative robot digital twin integration and control using robot operating system

Diachenko, Danyl; **Partyshev, Andriy**; **Pizzagalli, Simone Luca**; **Bondarenko, Yevhen**; **Otto, Tauno**; **Kuts, Vladimir** Journal of Machine Engineering 2022 / p. 57 - 67 <https://doi.org/10.36897/jme/148110> [Journal metrics at Scopus](#) [Article at Scopus](#)

Influence of biosurfactant on combined chemical–biological treatment of PCB-contaminated soil

Viisimaa, Marika; Karpenko, Oleksandr; Novikov, Volodymyr; **Trapido, Marina**; **Goi, Anna** Chemical engineering journal 2013 / p. 352-359 : ill <https://doi.org/10.1016/j.cej.2013.01.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting

Karimi, Javad; Xie, Meishen; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of manufacturing processes 2021 / p. 1387-1394 <https://doi.org/10.1016/j.jmapro.2021.06.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intelligent functions development on autonomous electric vehicle platform

Wang, Ruxin; Sell, Raivo; Rassõlkin, Anton; Otto, Tauno; Malayjerdi, Ehsan Journal of machine engineering 2020 / p. 114-125
<https://doi.org/10.36897/jme/117787> [Journal metrics at Scopus](#) [Article at Scopus](#)

Knowledge risks inherent in business sustainability

Durst, Susanne; Zieba, Malgorzata Journal of cleaner production 2020 / art. 119670, 10 p. : ill
<https://doi.org/10.1016/j.jclepro.2019.119670> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Layout planning and analysis of a Flexible Manufacturing System based on 3D Simulation and Virtual Reality

Mahmood, Kashif; Otto, Tauno; Chakraborty, A. Procedia CIRP 2023 <https://doi.org/10.1016/j.procir.2023.08.036> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Linear patterning of high entropy alloy by additive manufacturing

Karimi, Javad; Ma, P.; Ji, Y.D.; Prashanth, Konda Gokuldoss Manufacturing letters 2020 / p. 9-13 : ill
<https://doi.org/10.1016/j.mfglet.2020.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low-temperature waste heat enabling abandoning coal in Espoo district heating system

Hiltunen, Pauli; Syri, Sanna Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Managing conflict in organisational change

Kiitam, Andres; McLay, Allan; Pilli, Tõnu International journal of agile systems and management 2016 / p. 114-134
<https://doi.org/10.1504/IJASM.2016.078575> [Journal metrics at Scopus](#) [Article at Scopus](#)

Material characterization for laminated glass composite panel

Väer, Kaur; Anton, Johan; Klauson, Aleksander; Eerme, Martin; Öunapuu, Erko; Tšukrejev, Pavel Journal of achievements in materials and manufacturing engineering 2017 / p. 11-17 <https://doi.org/10.5604/01.3001.0010.2032> [Journal metrics at Scopus](#) [Article at Scopus](#)

Metal-doped organic aerogels for photocatalytic degradation of trimethoprim

Bolobajev, Juri; Kask, Maarja; Kreek, Kristiina; Kulp, Maria; Koel, Mihkel; Goi, Anna Chemical engineering journal 2019 / p. 120-128 : ill <https://doi.org/10.1016/j.cej.2018.09.127> [Tehnikaülikooli teadlaste meetod aitab puhastada reovett antibiootikumijääkidest](#)
<https://keskkonnatehnika.ee/reovee-puhastamine-kasutades-aerogeele/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Method for data collection and integration into 3D architectural model

Kurik, Lembit; Sinivee, Veljo; Lints, Martin; Kallavus, Urve Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 707-717 : ill https://doi.org/10.1007/978-1-4614-3535-8_59 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microbial saccharification of wheat bran for bioethanol fermentation

Farkas, Csilla; Rezessy-Szabó, Judit M.; **Gupta, Vijai Kumar;** Truong, Duy H.; Friedrich, László; Felföldi, József; Nguyen, Quang D. Journal of Cleaner Production 2019 / Article nr. 118269 <https://doi.org/10.1016/j.jclepro.2019.118269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Micro-grooved elements - a novel solution for noise control

Auriemma, Fabio; **Rämmal, Hans; Lavrentjev, Jüri** SAE international journal of material and manufacturing 2013 / p. 599-610 : ill
<https://doi.org/10.4271/2013-01-1941> [Journal metrics at Scopus](#) [Article at Scopus](#)

Microstructure and properties of insitu high entropy alloy/tungsten carbide composites by mechanical alloying

Sokkalingam, Rathinavelu; **Tarraste, Marek;** Surreddi, Kumar Babu; **Traksmaa, Rainer;** Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill
<https://doi.org/10.1002/mdp2.175> [Journal metrics at Scopus](#) [Article at Scopus](#)

Model order reduction of electrical machines with multiple inputs

Farzam Far, Mehrmaz; **Belahcen, Anouar;** Rasilo, Paavo; Clenet, Stephane; Pierquin, Antoine IEEE transactions on industry

applications 2017 / p. 3355-3360 : ill <https://doi.org/10.1109/TIA.2017.2681967> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Model predictive control for modeling human gait motions assisted by Vicon technology

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Kovalenko, Pavel; Rubinshtein, Irina; Ovchinnikov, Ivan; Krcmarik, David; Moezzi, Reza *Journal Europeen des systemes automatises* 2020 / p. 589–600 <https://doi.org/10.18280/jesa.530501> [Journal metrics at Scopus](#) [Article at Scopus](#)

Multi-source district heating system full decarbonization strategies: Technical, economic, and environmental assessment

Pakere, Ieva; Feofilovs, Maksims; **Lepiksaar, Kertu;** Vītoliņš, Valdis; Blumberga, Dagnija *Energy* 2023 / art. 129296 <https://doi.org/10.1016/j.energy.2023.129296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-type dislocation substructure evolution in a high-strength and ductile duplex high-entropy nanocomposites

Mua, Yongkun; **Liu, Le;** Shia, Jinqiang; Sun, Tongtong; Hua, Kai; Jia, Yuefei; Song, Kaikai; Jia, Yandong; Wang, Qing; Wang, Gang *Composites Part B : Engineering* 2022 / art. 110322 <https://doi.org/10.1016/j.compositesb.2022.110322> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nearly zero-energy building's (nZEB) definitions and assessment boundaries

Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 7-30 : ill https://doi.org/10.1007/978-1-4471-5610-9_2 [Article collection metrics at Scopus](#) [Article at Scopus](#)

nZEB case studies

Kurnitski, Jarek; Achermann, Matthias Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 135-176 : ill https://doi.org/10.1007/978-1-4471-5610-9_8 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain

Ordóñez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos *Energy* 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On Rogosinski-type approximation processes in Banach space using the framework of the cosine operator function

Kivinukk, Andi; **Saksa, Anna** *Mathematical Foundations of Computing* 2022 / p. 197-218 <https://doi.org/10.3934/mfc.2021030> [Journal metrics at Scopus](#) [Article at Scopus](#)

On synergy of motivational projects and agile software development practices

Kumlander, Deniss Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 487-497 https://doi.org/10.1007/978-1-4614-3558-7_41 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On the accuracy of the Haar wavelet discretization method

Majak, Jüri; Shvartsman, Boris; **Karjust, Kristo;** Mikola, Madis; **Haavajõe, Anti;** Pohlak, Meelis *Composites Part B : Engineering* 2015 / p. 321-327 : tab <https://doi.org/10.1016/j.compositesb.2015.06.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the legal and economic implications of tele-driving

Hoffmann, Thomas; Prause, Gunnar Klaus *Machines* 2023 / art. 331, 16 p. : ill <https://doi.org/10.3390/machines11030331> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the regulatory framework for last-mile delivery robots

Hoffmann, Thomas; Prause, Gunnar Klaus *Machines* 2018 / art. 33, 16 p <https://doi.org/10.3390/machines6030033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On using a semiotic quality framework to evaluate the quality of conceptual database schemas

Eessaar, Erki Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 103-115 https://doi.org/10.1007/978-1-4614-3558-7_9 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Operation of district heat network in electricity and balancing markets with the power-to-heat sector coupling

Javanshir, Nima; Syri, Sanna; Tervo, Seela; **Rosin, Argo** *Energy* 2023 / art. 126423 <https://doi.org/10.1016/j.energy.2022.126423> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimisation of decision-making process in industrial robot selection

Kangru, Tavo; Riives, Jüri; **Otto, Tauno;** Kuts, Vladimir; Moor, Madis *Journal of the machine engineering* 2020 / p. 70–81 <https://doi.org/10.36897/jme/117788> [Journal metrics at scopus](#) [Article at Scopus](#)

Optimization of mode in distribution electrical grid by using renewable energy sources for rural energy supply

Shokolakova, S.; Keshuov, S.A.; Saukhimov, A.A.; **Suvalova, Jelena** *International journal of mechanical engineering and technology* 2018 / p. 1396–1404 https://www.iaeme.com/MasterAdmin/uploadfolder/IJMET_09_07_149/IJMET_09_07_149.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimization of renewable energy for buildings with energy storages and 15-minute power balance

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview and comprehensive comparative evaluation of constant-frequency voltage buck control methods for series resonant DC–DC converters

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri; Bakeer, Abualkasim Ahmed Ali IEEE Open Journal of the Industrial Electronics Society 2021 / p. 65 - 79 <https://doi.org/10.1109/OJIES.2020.3048003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview of the problems posed by plastic products and the role of extended producer responsibility in Europe

Leal Filho, Walter; **lital, Arvo**; Moora, Harri; **Klõga, Marija; Voronova, Viktoria** Journal of cleaner production 2019 / p. 550-558 <https://doi.org/10.1016/j.jclepro.2018.12.256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of aqueous bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification

Tikker, Priit; Nikitin, Dmitri; Preis, Sergei The chemical engineering journal 2022 / art. 135602 <https://doi.org/10.1016/j.cej.2022.135602> [Journal metrics at Scopus](#) [Article of Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method

Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parametric digital twin of autonomous electric vehicle transmission

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants; Partyshev, Andriy Journal of machine engineering 2021 / p. 131-140 : ill <https://doi.org/10.36897/jme/134435> [Journal metrics at Scopus](#) [Article at Scopus](#)

Performance analysis of a flexible manufacturing system (FMS)

Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard Procedia CIRP 2017 / p. 424-429 : ill <https://doi.org/10.1016/j.procir.2017.03.123> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A Performance evaluation concept for production systems in an SME network

Mahmood, Kashif; Lanz, Minna; Toivonen, Ville; **Otto, Tauno** Procedia CIRP 2018 / p. 603-608 : ill <https://doi.org/10.1016/j.procir.2018.03.182> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance evaluation of step-up/down partial power converters based on current-fed DC-DC topologies

Yadav, Neelesh; Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri; Galkin, Ilya; Abdel-Rahim, Omar IEEE transactions on industry applications 2024 / p. 7111-7124 : ill <https://doi.org/10.1109/TIA.2024.3413050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of additive manufactured stacks in a small scale thermoacoustic heat engine

Auriemma, Fabio; Holovenko, Yaroslav SAE Technical Papers 2019 / 2019-01-1534, 10 p. : ill <https://doi.org/10.4271/2019-01-1534> [Journal metrics at Scopus](#) [Article at Scopus](#)

Permanent magnet synchronous machine control performance and analysis for environment-friendly electric vehicle applications

Sardar, Muhammad Usman; Yaqoob, Muhammad; Akbar, Siddique; Shah, Syed Imran Ahmad; Shahid, Muhammad Usama; Mutloob, Tayyaba Engineering Proceedings 2023 / art. 7, p. 1–6 <https://doi.org/10.3390/engproc2023046007> [Journal metrics at Scopus](#) [Article at Scopus](#)

Physics based compressive sensing to enable digital twins of additive manufacturing processes

Lu, Yanglong; **Ševtšenko, Eduard**; Wang, Yan Journal of computing and information science in engineering 2021 / 031009, 30 p <https://doi.org/10.1115/1.4050377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plastic deformation mechanisms in severely strained eutectic high entropy composites explained via strain rate sensitivity and activation volume

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balci, Özge; Wang, Zhi; Jia, Yandong; Eckert, Juergen H. Composites Part B: Engineering 2018 / p. 7-13 <https://doi.org/10.1016/j.compositesb.2018.05.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

PLM maturity model development and implementation in SME

Paavel, Marko; Karjust, Kristo; Majak, Jüri Procedia CIRP 2017 / p. 651-657 <https://doi.org/10.1016/j.procir.2017.03.144> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Pneumatics laboratory interactive educational experience development

Sandyk, Ivanna; Müür, Margus; Kuts, Vladimir; Bondarenko, Yevhen; Pizzagalli, Simone Luca; Rüütman, Tiia The 19th international CDIO conference, Trondheim, Norway, 26-29 June 2023 : proceedings - full papers 2023 / p. 144-154

<http://www.cdio.org/knowledge-library/documents/pneumatics-laboratory-interactive-educational-experience-development> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Positioning error correction of autonomously movable robot arm

Vaher, Kristo; Otto, Tauno; Riives, Jüri Journal of the machine engineering 2020 / p. 152-160 : ill <https://doi.org/10.36897/jme/129013>

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

Preface

Kurnitski, Jarek Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2013 / p. v-vi <https://link.springer.com/book/10.1007/978-1-4471-5610-9> [Article collection metrics at Scopus](#) [Article at Scopus](#)

Present energy performance requirements and nZEB targets in some selected countries

Kurnitski, Jarek; Feldmann, Christian Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 31-46 : ill https://doi.org/10.1007/978-1-4471-5610-9_3 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Processing of lignocellulose in ionic liquids : a cleaner and sustainable approach

Qasim, Umair; Rafiq, Sikander; Jamil, Farrukh; Ahmed, Ashfaq; Ali, Touqeer; Kers, Jaan; Khurram, M. Shahzad; Hussain, Murid; Inayat, Abrar; Park, Young-Kwon Journal of cleaner production 2021 / art. 129189, 17 p. : ill <https://doi.org/10.1016/j.jclepro.2021.129189>

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

Production intralogistics automation based on 3D simulation analysis

Mahmood, Kashif; Karjust, Kristo; Raamets, Tõnis Journal of machine engineering 2021 / p. 102-115 : ill

<https://doi.org/10.36897/jme/137081> [Journal metrics at Scopus](#) [Article at Scopus](#)

A quality model of metamodeling systems

Sgirka, Rünno; Eessaar, Erki Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 543-555

https://doi.org/10.1007/978-1-4614-3558-7_46 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Ranking strategic objectives in a strategy map based on logarithmic fuzzy preference programming and similarity method

Safari, Hossein; Khanmohammadi, Ehsan; Maleki, Meysam; Cruz-Machado, Virgilio; Ševtšenko, Eduard Management Systems in Production Engineering 2019 / p. 153-161 : ill <https://doi.org/10.1515/mspe-2019-0025> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Reactivity of aliphatic dicarboxylic acids in wet air oxidation conditions

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus Industrial & engineering chemistry research 2019 / p. 10855–10863

: ill <https://doi.org/10.1021/acs.iecr.9b01643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Realisation of energy performance targets of an old apartment building renovated to nZEB

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill

<https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Realizations in feedforward forms of nonlinear input-output equations with time-delays

Kaldmäe, Arvo; Kawano, Yu; Kotta, Ülle International journal of robust and nonlinear control 2020 / p. 7560-7573

<https://doi.org/10.1002/rnc.5194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recycled hardmetal-based powder composite coatings : optimisation of composition, structure and properties

Kulu, Priit; Käerdi, Helmo; Surženkov, Andrei; Tarbe, Riho; Veinthal, Renno; Goljandin, Dmitri; Zikin, Arkadi International journal of materials & product technology 2014 / p. 180-202 : ill <https://doi.org/10.1504/IJMPT.2014.064038> [Journal metrics at Scopus](#)

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

Reduced basis finite element modeling of electrical machines with multiconductor windings

Lehikoinen, Antti; Arkkio, Antero; Belahcen, Anouar IEEE transactions on industry applications 2017 / p. 4252-4259 : ill

<https://doi.org/10.1109/TIA.2017.2696509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reducing mining footprint by matching haul fleet demand and route-oriented tire types

Pascual, Rodrigo; Roman, M.; Hitch, Michael William Journal of cleaner production 2019 / p. 645-651

<https://doi.org/10.1016/j.jclepro.2019.04.069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reliability study of micro-perforated elements in small engine silencer application

Rämmal, Hans; Lavrentjev, Jüri SETC 2017 : 23rd Small Engine Technology Conference “Small Engine Technology - Generating a Promising Future”, November 15-17, 2017 Jakarta, Indonesia : Final program : SAE Technical Paper 2017 / 2017-32-0075, p. 37

http://www.setc-jsae.com/setc2017/docs/2017finalprogram/SETC2017_Final.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Response surface method for optimization of synchronous reluctance motor rotor

Orlova, Svetlana; Auzins, Janis; Pugachov, Vladislav; **Rassölkin, Anton; Vaimann, Toomas** Machines 2022 / art. 897

<https://doi.org/10.3390/machines10100897> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reuse of ferric sludge as an iron source for the Fenton-based process in wastewater treatment

Bolobajev, Juri; Kattel, Eneliis; Viisimaa, Marika; Goi, Anna; Trapido, Marina; Tenno, Taavo; **Dulova, Niina** Chemical engineering journal 2014 / p. 8-13 : ill <https://doi.org/10.1016/j.cej.2014.06.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review of porous lightweight composite materials for electromagnetic interference shielding

Singh, Ashish Kumar; Shishkin, Andrei; **Koppel, Tarmo;** Gupta, Nikhil Composites Part B : Engineering 2018 / p. 188-197 : ille

<https://doi.org/10.1016/j.compositesb.2018.05.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review on energy piles design, sizing and modelling

Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Haghghat, Fariborz Energy 2017 / p. 390-407 : ill

<https://doi.org/10.1016/j.energy.2017.01.097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Risk management of magnetic field from industrial induction heater - a case study

Koppel, Tarmo; Vilcane, Inese; **Tint, Piia** Engineering for rural development 2017 / p. 1024-1037 : ill

<https://doi.org/10.22616/ERDev2017.16.N218> <http://tf.lu.lv/conference/proceedings2017/> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Robust fractional order singular Kalman filter

Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard International journal of robust and nonlinear control 2024 / p. 602-627 : ill <https://doi.org/10.1002/rnc.6990> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The role of paradigms and technical strategies for implementation of the circular economy in the polymer and composite recycling industries

Hussain, Abrar; Podgurski, Vitali; Viljus, Mart; Awan, Muhammad Rizwan Advanced Industrial and Engineering Polymer Research 2023 / p. 1-12 <https://doi.org/10.1016/j.aiepr.2022.10.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of Al-7Si-0.5 Mg-0.5Cu : effect of heat treatment on microstructure evolution, mechanical properties and wear resistance

Wang, Pei; Yu, Sijie; Shergill, Jaskarn; Chaubey, Anil; Eckert, Jürgen; **Prashanth, Konda Gokuldoss;** Scudino, Sergio Acta Metallurgica Sinica (English Letters) 2022 / p. 389-396 : ill <https://doi.org/10.1007/s40195-021-01279-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of commercially pure molybdenum by laser rescanning

Alinejadian, Navid; Wang, Pei; **Kollo, Lauri; Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2023 / p. 785-791 <https://doi.org/10.1089/3dp.2021.0265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of in-situ CoCrFeMnNi high entropy alloy : effect of remelting

Karimi, Javad; Kollo, Lauri; Rahmani Ahranjani, Ramin; Ma, Pan; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2022 / p. 55-63 <https://doi.org/10.1016/j.jmapro.2022.09.056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of nanostructured Al-Y-Ni-Co alloy

Wang, Zhi; Scudino, Sergio; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Manufacturing letters 2020 / p. 21-25

<https://doi.org/10.1016/j.mfglet.2020.06.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of TiC-Fe via laser pulse shaping : microstructure and mechanical properties

Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss 3D Printing and Additive Manufacturing 2023 / p. 640-649 <https://doi.org/10.1089/3dp.2021.0221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting: materials and applications

Prashanth, Konda Gokuldoss Selective laser melting: materials and applications 2020 / p. 1-3 : ill

<https://doi.org/10.3390/jmmp4010013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sensitivity analysis for multi-objective optimization of switched reluctance motors

Andriushchenko, Ekaterina; Kallaste, Ants; Mohammadi, M. Hossain; Lowther, David Alister; **Heidari, Hamidreza** Machines 2022 / art. 559, 16 p. : ill <https://doi.org/10.3390/machines10070559> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.3390/machines10070559> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SEU study of wideband heterostructure diode for particle detection

Patankar, Udayan Sunil; Koel, Ants 2021 IEEE International Conference on Consumer Electronics (ICCE) 2021 / 4 p. : ill
<https://doi.org/10.1109/ICCE50685.2021.9427613> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulation study of electric vehicles at fuzzy PID control of braking torque

Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; **Raud, Zoja** Informatics in Control, Automation and Robotics : 17th International Conference, ICINCO 2020 Lieusaint - Paris, France, July 7–9, 2020, Revised Selected Papers 2022 / p. 261–290
https://doi.org/10.1007/978-3-030-92442-3_15 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Single-phase string solar qZS-based inverter: example of multi-objective optimization design

Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; **Chub, Andrii;** Romero-Cadaval, Enrique IEEE transactions on industry applications 2021 / p. 3120-3130 : ill <https://doi.org/10.1109/TIA.2020.3034292> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; **Latõšov, Eduard; Siirde, Andres** Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Socio-economic impacts of large-scale deep energy retrofits in Finnish apartment buildings

Hirvonen, Janne; Saari, Arto; **Jokisalo, Juha;** Kosonen, Risto Journal of cleaner production 2022 / art. 133187, 19 p. : ill
<https://doi.org/10.1016/j.jclepro.2022.133187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sociotechnical factors and Industry 4.0 : an integrative perspective for the adoption of smart manufacturing technologies

Marcon, Érico; Soliman, Marlon; **Gerstlberger, Wolfgang Dieter;** Frank, Alejandro G. Journal of Manufacturing Technology Management 2022 / p. 259-289 : ill <https://doi.org/10.1108/JMTM-01-2021-0017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sonolytic degradation of chlorophene enhanced by Fenton-mediated oxidation and H•-scavenging effect

Bolobajev, Juri; Goi, Anna Chemical engineering journal 2017 / p. 904-914 : ill <https://doi.org/10.1016/j.cej.2017.07.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton Additive manufacturing 2022 / art. 102778, 19 p. : ill
<https://doi.org/10.1016/j.addma.2022.102778> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash

Maragoni, Mauro; Ponsot, I.; **Kuusik, Rein, keemik;** Bernardo, E. Advances in applied ceramics 2014 / p. 120-128 : ill
<https://doi.org/10.1179/1743676113Y.0000000132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural investigation of tellurium based thin films

Ivanova, Vladislava; Trifonova, Yordanka; Lilova, Vanya; **Mikli, Valdek;** Stoyanova-Ivanova, Angelina Journal of chemical technology and metallurgy 2018 / p. 749-754 : ill https://journal.uctm.edu/node/j2018-4/17_18-122_p_749-754.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of estimation based functional iteration approximation dividers

Patankar, Udayan Sunil; Flores, Miguel E.; Koel, Ants ICCE-2021 IEEE International Conference on Consumer Electronics, CES 2021 / p. 1-4 <https://doi.org/10.1109/ICCE50685.2021.9427657> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Subtle change in the work hardening behavior of fcc materials processed by selective laser melting

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; **Singh, Neera;** Muthupandi, Veerappan; Ma, Pan; Jia, Yandong; **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2022 / p. 453-461 <https://doi.org/10.1007/s40964-022-00301-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Survey of topology morphing control techniques for performance enhancement of galvanically isolated DC-DC converters

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri; Peng, Fang Zheng IEEE Open Journal of the Industrial Electronics Society 2022 / p. 751-777 : ill <https://doi.org/10.1109/OJIES.2022.3225265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and characterization of Ca(1-x)SmxF(2+x) (0 ≤ x ≤ 0.15) solid electrolytes for fluoride-ion batteries

Molaiyan, Palanivel; Witter, Raiker Material design and processing communications 2021 / art. e226, 6 p. : ill
<https://doi.org/10.1002/mdp2.226> [Journal metrics at Scopus](#) [Article at Scopus](#)

Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants : atomic orbital matching, oxygen spillover and intra-electron transfer

Zhang, Fengzhen; Kong, Qiaoping; **Preis, Sergei** The chemical engineering journal 2022 / art. 134674

Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia

Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** Energy 2022 / art. 124156
<https://doi.org/10.1016/j.energy.2022.124156> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Technology, innovation and knowledge transfer : a value chain perspective

Banerjee, Supriya; Wahl, Mike Franz; Panigrahi, Jayant Kumar International journal of mechanical engineering and technology 2018 / p. 1145 - 1161 https://iaeme.com/Home/article_id/IJMET_09_01_123 Journal metrics at Scopus Article at Scopus

Temperature and pressure dependence of density of a shale oil and derived thermodynamic properties

Baird, Zachariah Steven; Uusi-Kyyny, Petri; Järvi, Oliver; **Oja, Vahur;** Alopaeus, Ville Industrial & engineering chemistry research 2018 / p. 5128-5135 <https://doi.org/10.1021/acs.iecr.7b05018> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The convergence of digital commons with local manufacturing from a degrowth perspective : two illustrative cases

Kostakis, Vasileios; Latoufis, Kostas; Liarokapis, Minas; Bauwens, Michel Journal of cleaner production 2018 / p. 1684-1693 : ill
<https://doi.org/10.1016/j.jclepro.2016.09.077> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The double-edged role of firm environmental behaviour in the creation of product innovation in Central and Eastern European countries

Prokop, Viktor; **Gerstlberger, Wolfgang Dieter;** Zapletal, David; Kotkova Striteska, Michaela Journal of cleaner production 2022 / art. 129989 <https://doi.org/10.1016/j.jclepro.2021.129989> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The impact of capabilities on performance

Rungi, Mait Industrial management & data systems 2014 / p. 241-257 : ill <https://doi.org/10.1108/IMDS-04-2013-0202> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The new dimensioning method of the district heating network

Kõiv, Teet-Andrus; Mikola, Alo; Palmiste, Ülar Applied thermal engineering 2014 / p. 78-82 : ill
<https://doi.org/10.1016/j.applthermaleng.2014.05.087> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal expansion behavior of Al-xSi alloys fabricated using selective laser melting

Jia, Yandong; Zhang, L.B.; Ma, Pan; Scudino, Sergio; Wang, G.; Yi, J.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2020 / 11 p. : ill <https://doi.org/10.1007/s40964-020-00130-w> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Three-dimensional eddy-current analysis in steel laminations of electrical machines as a contribution for improved iron loss modeling

Handgruber, Paul; Stermecki, Andrej; Biro, Oszkar; **Belahcen, Anouar;** Dlala, Emad IEEE transactions on industry applications 2013 / p. 2044-2052 : ill <https://doi.org/10.1109/TIA.2013.2260713> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TiCN coating tribology for the circular economy of textile industries

Hussain, Abrar; Podgurski, Vitali; Antonov, Maksim; Viljus, Mart; Goljandin, Dmitri Journal of industrial textiles 2022 / p. 8947S-8959S <https://doi.org/10.1177%2F15280837211025726> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards user-centered and legally relevant smart-contract development : a systematic literature review

Dixit, Abhishek; Deval, Vipin; Dwivedi, Vimal Kumar; Draheim, Dirk Journal of Industrial Information Integration 2022 / art. 100314 ; 18 p <https://doi.org/10.1016/j.jii.2021.100314> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tracing sustainable production from a degrowth and localisation perspective : a case of 3D printers

Priavolou, Christina; Troullaki, Katerina; **Tsiouris, Nikiforos; Giotitsas, Christos; Kostakis, Vasileios** Journal of cleaner production 2022 / art. 134291 <https://doi.org/10.1016/j.jclepro.2022.134291> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Treatment of landfill leachate by continuously reused ferric oxyhydroxide sludge-activated hydrogen peroxide

Kattel, Eneliis; Trapido, Marina; Dulova, Niina Chemical engineering journal 2016 / p. 646-654 : ill
<https://doi.org/10.1016/j.cej.2016.06.135> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Utilization of additive manufacturing in the thermal design of electrical machines : a review

Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas Machines 2022 / art. 251

<https://doi.org/10.3390/machines10040251> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Utilization of pyrolytic wastewater in oil shale fired CFBC boiler

Konist, Alar; Järvi, Oliver; Pikkor, Heliis; Nešumajev, Dmitri; Pihu, Tõnu Journal of cleaner production 2019 / p. 487-493 : ill
<https://doi.org/10.1016/j.jclepro.2019.06.213> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Utility-scale energy storage systems : a comprehensive review of their applications, challenges, and future directions

Luo, Wensheng; Stynski, Sebastian; **Chub, Andrii**; Franquelo, Leopoldo G.; Malinowski, Mariusz; **Vinnikov, Dmitri** IEEE industrial electronics magazine 2021 / p. 17-27 <https://doi.org/10.1109/MIE.2020.3026169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Utility-scale energy storage systems : converters and control

Stynski, Sebastian; Luo, Wensheng; **Chub, Andrii; Vinnikov, Dmitri** IEEE industrial electronics magazine 2020 / p. 32-52
<https://doi.org/10.1109/MIE.2020.3011655> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vacuum hot pressing of oxide dispersion strengthened ferritic stainless steels : effect of Al addition on the microstructure and properties

Ganesan, Dharmalingam; Sellamuthu, Prabhukumar; **Prashanth, Konda Gokuldoss** Journal of Manufacturing and Materials Processing 2020 / art. 93 <https://doi.org/10.3390/jmmp4030093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy 2017 / p. 685-697 : ill
<https://doi.org/10.1016/j.energy.2017.06.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Virtual enterprise formation in the context of a sustainable partner network

Poliantšikov, Igor; Ševtšenko, Eduard; Karaulova, Tatjana; Kangilaski, Taivo; Camarinha-Matos, Luis M. Industrial management & data systems 2017 / p.1446-1468 : ill <https://doi.org/10.1108/IMDS-07-2016-0274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Working environment specialist's role in the improvement of safety level in Estonian enterprises

Hrenov, Georgi; Reinhold, Karin; Tint, Piia Engineering for rural development 2017 / p. 832-840
<https://doi.org/10.22616/ERDev2017.16.N170> <http://tf.ifu.lv/conference/proceedings2017/> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)