

### **Acoustic study on motorcycle helmets with application of novel porous material**

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

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

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

### **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**

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

### **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](#)

### **An advanced diagnostic approach for broken rotor bar detection and classification in DTC controlled induction motors by leveraging dynamic SHAP interaction feature selection (DSHAP-IFS) GBDT methodology**

**Khan, Muhammad Amir; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants** Machines 2024 / art. 495 <https://doi.org/10.3390/machines12070495> [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](#)

### **An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization**

**Hunt, Andres; Chen, Zheng; Tan, K.; Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill <https://doi.org/10.1088/0964-1726/25/3/035016> [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, Ilya** 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; Rämäl, 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; Triikkel, 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](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, Pearlin; Liu, Chia-Fei; Ummethala, Raghunandan; Singh, Neera; Huang, Her-Hsiung; Manivasagam, Geetha; Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2021 / p. 455-469 : ill <https://doi.org/10.1007/s40964-021-00210-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](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](#)

### **Circumventing Solidification Cracking Susceptibility in Al-Cu Alloys Prepared by Laser Powder Bed Fusion**

**Xi, Lixia; Lu, Qiuyang; Gu, Dongdong; Cao, Shaoting; Zhang, Han; Kaban, Ivan; Sarac, Baran; Prashanth, Konda Gokuldoss;**

**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; Latšov, Eduard;** Murauskaite, Lina; Džiuvė, 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, Marlena; Löhr, Dirk Karsten; Meyer, Carsten; **Ivanova Drenkova-Tuhtan, Asya** Journal of cleaner production 2020 / art.

119129, 8 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119129> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Conceptual framework of information flow synchronization throughout the building lifecycle**

Raitviir, Christopher-Robin; **Lill, Irene** Buildings 2024 / art. 2207 <https://doi.org/10.3390/buildings14072207> [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](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](https://doi.org/10.1007/978-3-319-99867-1_44) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](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 optimal energy performance**

**Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p.

47-56 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_4](https://doi.org/10.1007/978-1-4471-5610-9_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**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](#)

**Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting**

Wei, Shuimiao; Ma, Pan; Fang, Yacheng; Zhang, Zhiyu; Yang, Zhilu; Shi, Xuerong; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 <https://doi.org/10.1089/3dp.2022.0142> [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**

**Tiikola, 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/MIE.2022.3147168> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Decreasing leakage and operational cost for BBLAWN**

**Vassiljev, Anatoli; Puust, Raido** Journal of water resources planning and management 2016 / art. C4015011 [https://doi.org/10.1061/\(ASCE\)WR.1943-5452.0000612](https://doi.org/10.1061/(ASCE)WR.1943-5452.0000612) [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-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](#)

**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](https://doi.org/10.1007/978-981-10-8240-5_64) [Conference Proceedings at Scopus](#) [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](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](#)

#### Developing a framework for smart stormwater management in Tallinn, Estonia

**Suits, Kristjan;** **Vassiljev, Anatoli;** **Kaur, Katrin;** **Kõiv, Kerta;** **Kändler, Nils;** **Annus, Ivar** Engineering Proceedings 2024 / art. 23 <https://doi.org/10.3390/engproc2024069023> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### Development of an AR-based application for assembly assistance and servicing

**Mahmood, Kashif;** **Pizzagalli, Simone Luca;** **Otto, Tauno;** **Symotiuk, Ivan** Procedia CIRP 2024 / p. 638-643 <https://doi.org/10.1016/j.procir.2024.04.017> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### Development of anti-lock braking system (ABS) for vehicles braking

**Vu, Trieu Minh;** **Oamen, Godwin;** **Vassiljeva, Kristina;** **Teder, Leo** Open engineering 2016 / p. 554-559 : ill <https://doi.org/10.1515/eng-2016-0078> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### 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

**Kübarsepp, Jakob;** **Pirso, Jüri;** **Juhani, Kristjan;** **Viljus, Mart** International journal of materials & product technology 2014 / p. 160-179 <https://doi.org/10.1504/IJMP.T.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](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 CO<sub>2</sub> 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](http://www.not.pl/wydawnictwo/abstract_2017_en.html) [https://wydawnictwo.not.pl/2017JOM/V1/8\\_KANGILASKI.pdf](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](#)

#### An efficient assistance in cavity filter tuning using filter screw classification

**Sekhri, Even; Tamre, Mart;** Kapoor, Rajiv Advances in artificial-business analytics and quantum machine learning : select proceedings of the 3rd international conference, Com-IT-Con 2023, volume 1 2024 / p. 791-799 [https://doi.org/10.1007/978-981-97-2508-3\\_58](https://doi.org/10.1007/978-981-97-2508-3_58) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**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](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](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](#)

**Enhancing employee work engagement through High-performance Work Systems : evidence from an ICT company**

**Kütt, Maria;** Terasmaa, Meelike IEEM 2024 : IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) : Bangkok, Thailand, 15 Dec-18 Dec 2024 2024 / p. 614 - 617 <https://doi.org/10.1109/IEEM62345.2024.10857071> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**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](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 <https://doi.org/10.1002/rnc.5881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Thalfeldt, Martin; Kurnitski, Jarek; 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, Veroonika; Vaimann, Toomas; Rassõlkin, Anton Machines 2022 / art. 86 <https://doi.org/10.3390/machines10020086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](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-Kyyry, 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](#)

### Innovative approaches towards sustainable river basin management in the Baltic Sea region : the Waterpraxis project

**Klōga, Marija**; Filho, Walter Leal; Fischer, Natalie Sustainable water use and management : examples of new approaches and perspectives 2015 / p. 383-396 : ill [https://doi.org/10.1007/978-3-319-12394-3\\_20](https://doi.org/10.1007/978-3-319-12394-3_20) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### Integrating drone-captured sub-catchment topography with multiphase CFD modelling to enhance urban stormwater management

**Kaur, Katrin; Annus, Ivar; Truu, Murel; Kändler, Nils; Paalmäe, Iris** The 3rd International Joint Conference on Water Distribution Systems Analysis & Computing and Control for the Water Industry (WDSA/CCWI 2024) 2024 / art. 31 <https://doi.org/10.3390/engproc2024069031> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### 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](#)

### Introduction

**Kurnitski, Jarek** Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2015 / p. 1-5 [https://doi.org/10.1007/978-1-4471-5610-9\\_1](https://doi.org/10.1007/978-1-4471-5610-9_1)

[Article collection 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 / p. 201-206 <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; Õunapuu, 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](#)

[Article at Scopus](#)

#### **Measurement feedback disturbance decoupling in discrete-event systems**

**Kaldmäe, Arvo; Kotta, Ülle;** Shumsky, Alexey; Zhirabok, Alexey International journal of robust and nonlinear control 2015 / p. 3330-

3348 <https://doi.org/10.1002/rnc.3265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Mechanical properties, microstructure, and actuation behavior of wire arc additive manufactured nitinol : titanium bimetallic structures**

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyamperumal Anand; Paul, Christ Prakash; Kumar, Ajit;

**Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 143 - 151 <https://doi.org/10.1089/3dp.2021.0324>

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

#### **Metal-doped organic aerogels for photocatalytic degradation of trimethoprim**

**Bolobajev, Juri; Kask, Maarja; Kreek, Kristiina; Kulp, Maria; Koel, Mihkel; Goi, Anna** Chemical engineering journal 2019 / p.

120-128 : ill <https://doi.org/10.1016/j.cej.2018.09.127> Tehnikaülikooli teadlaste meetod aitab puhastada reovett antibiootikumijääkidest

<https://keskkonnatehnika.ee/reovee-puhastamine-kasutades-aerogeele/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Method for 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](https://doi.org/10.1007/978-1-4614-3535-8_59) [Article collection metrics at Scopus](#) [Article 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](#)

[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](#)

[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 in situ high entropy alloy/tungsten carbide composites by mechanical alloying**

Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Traksmaa, Rainer**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill

<https://doi.org/10.1002/mdp2.175> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Model order reduction of electrical machines with multiple inputs**

Farzam Far, Mehrnaz; **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 European 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**; Vitolinš, 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](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](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 query-based search of possible design flaws of SQL databases**

**Eessaar, Erki** Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 53-60

[https://doi.org/10.1007/978-3-319-06773-5\\_8](https://doi.org/10.1007/978-3-319-06773-5_8) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **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](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 Mindlin microelasticity in one dimension**

**Berezovski, Arkadi** Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [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](https://doi.org/10.1007/978-1-4614-3558-7_9) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **On verification of the software development process**

**Kumlander, Deniss** Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 339-343

[https://doi.org/10.1007/978-3-319-06773-5\\_45](https://doi.org/10.1007/978-3-319-06773-5_45) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Open-source level 4 autonomous shuttle for last - mile mobility**

**Sell, Raivo; Malayjerdi, Mohsen; Pikner, Heiko; Razdan, Rahul; Malayjerdi, Ehsan; Bellone, Mauro** 2024 IEEE 29th

International Conference on Emerging Technologies and Factory Automation (ETFA) 2024 / 6 p

<https://doi.org/10.1109/ETFA61755.2024.10710975> [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.; Šuvalova, Jelena** International journal of mechanical engineering and technology

2018 / p. 1396-1404 [https://www.iaeme.com/MasterAdmin/uploadfolder/IJMET\\_09\\_07\\_149/IJMET\\_09\\_07\\_149.pdf](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.ccej.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; Abdelrahim Abdelghafour,**

**Omar Mohamed** 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; Rüttnann, 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](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](#)

### **Product owner responsibilities in the project assurance process : bridging uncertainties gaps**

**Kumlander, Deniss** Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 515-519 [https://doi.org/10.1007/978-3-319-06773-5\\_69](https://doi.org/10.1007/978-3-319-06773-5_69) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **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](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](#)

### **Real-life experiences in using open source for autonomy applications**

**Malayjerdi, Mohsen; Sell, Raivo; Malayjerdi, Ehsan; Akbas, Mustafa Ilhan; Razdan, Rahul** Engineering Proceedings 2024 / art. 19 <https://doi.org/10.3390/engproc2024079019> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Real-time crack detection on concrete using non-destructive approaches based on Yolo series : Review**

**Bassir, David; Chang, Haochen; Majak, Jüri** Advances in Machinery, Materials Science and Engineering Application X : Proceedings of the 10th International Conference (MMSE 2024), Paris, France, 27–28 July 2024 2024 / p. 820-826 <https://doi.org/10.3233/ATDE240712> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **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/IJMP.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](#)

### **Reflections on mathematical models of deformation waves in elastic microstructured solids**

**Engelbrecht, Jüri; Berezovski, Arkadi** Mathematics and Mechanics of Complex Systems 2015 / p. 43 - 82 <https://doi.org/10.2140/memocs.2015.3.43> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **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/setc2017docs/2017finalprogram/SETC2017\\_Final.pdf](http://www.setc-jsae.com/setc2017docs/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; Rassõlkin, 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; Haghighat, 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.llu.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](#)

**Self-organized teams : a contradictory technique to motivate personnel**

**Kumlander, Deniss** Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 379-383 [https://doi.org/10.1007/978-3-319-06773-5\\_51](https://doi.org/10.1007/978-3-319-06773-5_51) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Semi-agile approach to software development process**

**Kumlander, Deniss** Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 801-809 [https://doi.org/10.1007/978-1-4614-3535-8\\_67](https://doi.org/10.1007/978-1-4614-3535-8_67) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**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](#)

**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](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; **Latšov, Eduard; Siirde, Andres** Energy 2019 / p. 714-

**Smart nature-based solutions for stormwater management in urban areas—an analysis of pilot cases**

Kõiv, Kerta; Annus, Ivar; Kändler, Nils; Truu, Murel; Kaur, Katrin; Suits, Kristjan Engineering Proceedings 2024 / art. 18  
<https://doi.org/10.3390/engproc2024069018> Journal metrics at Scopus Article at Scopus

**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

**Solutions for reducing (minimizing) firefighting truck repairs in EU countries and in Latvia in particular**

Politika, V.; Pundure, J.; Jarvis, Marina Engineering for rural development 2024 / vol. 23 p. 870-880  
<https://doi.org/10.22616/ERDev.2024.23.TF172> Conference proceedings at Scopus Article at Scopus

**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](https://journal.uctm.edu/node/j2018-4/17_18-122_p_749-754.pdf) Journal metrics at Scopus Article at Scopus

**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  
<https://doi.org/10.1016/j.cej.2022.134674> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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](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](#)

**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](https://doi.org/10.1007/978-1-4614-3558-7_84) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**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](#)

**Thermoplastic cellulose stearate and cellulose laurate : melt rheology, processing and application potential**

**Krasnou, Illia; Tarasova, Elvira; Märtson, Triin; Krumme, Andres** International polymer processing 2015 / p. 210-216 <https://doi.org/10.3139/217.2980> [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; Sterneck, 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> <https://ieeexplore.ieee.org/document/6510501> [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 a better infrastructure supporting the e-education as a state public service**

**Kumlander, Deniss** New trends in networking, computing, e-learning, systems sciences, and engineering 2015 / p. 309-315 [https://doi.org/10.1007/978-3-319-06764-3\\_38](https://doi.org/10.1007/978-3-319-06764-3_38) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**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](#)

#### **Using SQL queries to evaluate the design of SQL databases**

**Eessaar, Erki; Voronova, Janina** New trends in networking, computing, e-learning, systems sciences, and engineering 2015 / p. 179-186 [https://doi.org/10.1007/978-3-319-06764-3\\_23](https://doi.org/10.1007/978-3-319-06764-3_23) [Article collection metrics at Scopus](#) [Article at Scopus](#)

#### **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; Järvik, 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](#)

#### **A versioning subsystem of metamodeling system**

**Sgirka, Rünno** Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 305-317 [https://doi.org/10.1007/978-1-4614-3535-8\\_26](https://doi.org/10.1007/978-1-4614-3535-8_26) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **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](#)

#### **Wire arc additive manufacturing of NiTi 4D structures : influence of interlayer delay**

Singh, Shalini; Palani, Iyamperumal Anand; Paul, Christ Prakash; Funk, Alexander; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 152 - 162 <https://doi.org/10.1089/3dp.2021.0296> [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.llu.lv/conference/proceedings2017/> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)