

### **Aasta tehase žürii: tööstus on investeerimisel ebakindel, kuid raha vajadusel leitakse**

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### **Abrasion and erosion resistance of cermets : a review**

**Kübarsepp, Jakob; Juhani, Kristjan; Tarraste, Marek** Materials 2022 / art. 69 <https://doi.org/10.3390/ma15010069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Abrasive wear resistant composite hardfacings with ex-situ and in-situ synthesized carbide reinforcement = Abrasiivkulumiskindlad komposiitpindad ex-situ ja in-situ sünteesitud karbiidkõvafaasiga**

**Tkachivskiy, Dmytro** 2021 <https://doi.org/10.23658/taltech.41/2021> <https://digikogu.taltech.ee/et/Item/4ee05e38-b68b-4bb6-a708-6f2b8159f947>

### **Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr3C2-based powders**

**Sarjas, Heikki; Surženkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Matikainen, Ville; Vuoristo, Petri** Journal of thermal spray technology 2017 / p. 2020-2029 : ill <https://doi.org/10.1007/s11666-017-0638-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Academic development support for implementing CDIO**

**Kase, Kärt; Kasuk, Tiina; Rүүtmann, Tiia; Sonk, Kaimo; Sell, Raivo; Annus, Ivar** 18th CDIO : International Conference : proceedings - full papers 2022 / p. 634-646 [https://en.ru.is/media/cdio2022/CDIO\\_2022\\_Proceedings.pdf](https://en.ru.is/media/cdio2022/CDIO_2022_Proceedings.pdf)

### **Acoustic and thermoacoustic properties of an additive manufactured lattice structure**

**Di Giulio, Elio; Auriemma, Fabio; Napolitano, Marialuisa; Dragonetti, Raffaele** The Journal of the Acoustical Society of America 2021 / art. 3878 <https://doi.org/10.1121/10.0005085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Acoustic lumped element techniques to measure the low frequency response of porous materials**

**Di Giulio, Elio; Napolitano, Marialuisa; Romano, Rosario Aniello; Auriemma, Fabio; Dragonetti, Raffaele** Proceedings of the 10th Convention of the European Acoustics Association 2023 : Forum Acusticum, September 11-15, 2023 2024 / p. 3497-3502 <https://doi.org/10.61782/fa.2023.1056>

### **Acoustic performance of an additive manufactured lattice structure**

**Auriemma, Fabio; Liu, Le** IOP conference series : materials science and engineering 2021 / art. 012002, 5 p.: ill <https://doi.org/10.1088/1757-899X/1140/1/012002>

### **Acoustic performance of micro-grooved elements**

**Auriemma, Fabio** Applied acoustics 2017 / p. 128-137 : ill <https://doi.org/10.1016/j.apacoust.2017.02.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Acoustic study of multi-layered microperforated elements for fibreless noise control applications**

**Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri** IOP conference series : materials science and engineering 2021 / art. 012015, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012015>

### **Acoustic study of novel eco-friendly material for vehicle NVH applications**

**Rämmal, Hans; Lavrentjev, Jüri** Materials today: proceedings 2020 / p. 2331-2337 <https://doi.org/10.1016/j.matpr.2020.04.632> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

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

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

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

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

### **Adaptive industrial robots using machine vision**

**Kuts, Vladimir; Otto, Tauno; Tähemaa, Toivo; Bukhari, Khuldoon; Pataria, Tengiz** ASME 2018 International Mechanical Engineering Congress and Exposition, Pittsburgh, Pennsylvania, USA, November 9–15, 2018 2018 / Paper No. IMECE2018-86720, pp. V002T02A093, 8 p. : ill <https://doi.org/10.1115/IMECE2018-86720>

### **Adaptive wear mechanisms of diamond coatings at room and elevated temperatures = Teemantpinnete adaptiivkulumise mehhanismid toa- ja kõrgendatud temperatuuridel**

**Yashin, Maxim** 2019 <https://digikogu.taltech.ee/et/Item/6cb35baa-eb31-42e2-8134-3235c7f796ef> [https://www.ester.ee/record=b5283072\\*est](https://www.ester.ee/record=b5283072*est)

### **Additive manufacturing : alloy design and process innovations**

**Prashanth, Konda Gokuldoss**; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing : alloy design and process innovations**

2020 <https://doi.org/10.3390/books978-3-03928-353-8>

### **Additive manufacturing : alloy design and process innovations**

2020 <https://doi.org/10.3390/books978-3-03928-415-3>

### **Additive manufacturing and allied technologies**

Sivaprasad, Katakam; Ramesh Babu, Amarapuram; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2023 / p. 269 <https://doi.org/10.1007/s12666-023-02892-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing and allied technologies**

Sivaprasad, Katakam; Ramesh Babu, Nagumothu; **Prashanth, Konda Gokuldoss** International Journal of Materials Research = Zeitschrift für Metallkunde 2023 / p. 823 <https://doi.org/10.1515/ijmr-2023-3011>

### **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](#)

### **Additive manufacturing of aluminum-based metal matrix composites - a review**

Tang, Shengyang; Ummethala, Raghunandan; Suryanarayana, Challapalli; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Wang, Zhi Advanced engineering materials 2021 / 2100053 <https://doi.org/10.1002/adem.202100053>

### **Additive manufacturing of CMCs with bimodal microstructure**

**Maurya, Himanshu Singh**; Vikram, R. J.; Kosiba, Konrad; **Juhani, Kristjan**; **Sergejev, Fjodor**; Suwas, Satyam; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 168416, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2022.168416> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures**

Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341 <https://doi.org/10.1002/adem.202200341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing of high-entropy alloys**

**Karimi, Javad**; **Kamboj, Nikhil Kumar**; **Prashanth, Konda Gokuldoss** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

### **Additive manufacturing of Mo-Mo(x)S(x+1) functional structures : engineering and electrochemical applications = Lisandustehnoloogia teel valmistatud Mo-Mo(x)S(x+1) funktsionaalsed struktuurid inseneri- ja elektrokeemiliste rakendustele**

**Alinejadian, Navid** 2022 <https://doi.org/10.23658/taltech.43/2022> <https://digikogu.taltech.ee/et/Item/636a0175-ae97-4a28-a2a1-c3b75c7c1eb6> [https://www.ester.ee/record=b5511559\\*est](https://www.ester.ee/record=b5511559*est)

### **Additive manufacturing of novel ceramic-based composite scaffolds for bone tissue engineering = Uudsete keraamikali põhinevate komposiitkarkasside kihtlisandustehnoloogia luukoetehnika**

**Kamboj, Nikhil Kumar** 2020 [https://www.ester.ee/record=b5379547\\*est](https://www.ester.ee/record=b5379547*est) <https://digikogu.taltech.ee/et/Item/92f8dc95-1820-45b0-bbdc-4193e44ec978>

### **Additive manufacturing of silicon-wollastonite/bioactive glass based biomaterials by Selective Laser Melting**

**Kamboj, Nikhil Kumar**; Rodríguez Barbero, M. A.; Rodrigo, C.; Kazantseva, Jekaterina; **Hussainova, Irina** 44th International Conference & Exposition on Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / art. ICACC-S5-028-2020 ; p. 133 [https://ceramics.org/wp-content/uploads/2018/09/ICACC20\\_Abstacts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstacts_WebFinal.pdf)

### **Additive manufacturing of TiC-based cermet with stainless steel as a binder material**

**Maurya, Himanshu Singh; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 824-828 <https://doi.org/10.1016/j.matpr.2022.02.428> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Additive manufacturing of TiC-based cermets : a detailed comparison with spark plasma sintered samples**

**Maurya, Himanshu Singh; Jayaraj, Jayamani; Vikram, Raja Jothi; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170436 <https://doi.org/10.1016/j.jallcom.2023.170436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing of TiC-based cermets with Fe-based binders using novel laser scan techniques = Titaankarbiidsete Fe-baasil sideainega kermiste valmistamine uudse laserskaneeriva kihtlisandustehnoloogia teel**

**Maurya, Himanshu Singh** 2023 <https://doi.org/10.23658/taltech.61/2023> <https://digikogu.taltech.ee/et/Item/3dad7b12-4a7a-4c9d-8162-30388c52bf5e> [https://www.ester.ee/record=b5645217\\*est](https://www.ester.ee/record=b5645217*est)

### **Additively manufactured mesostructured MoSi2-Si3N4 ceramic lattice**

**Minasyan, Tatevik; Liu, Le; Holovenko, Yaroslav; Aydinyan, Sofiya; Hussainova, Irina** Ceramics international 2019 / p. 9926-9933 <https://doi.org/10.1016/j.ceramint.2019.02.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Adhesion of AlCrN coating deposited on TiB2/Ti composites sintered by SPS dedicated for high temperature tribological applications**

**Michalczewski, Remigiusz; Kalbarczyk, M.; Slomka, Z.; Hussainova, Irina; Liu, Le; Antonov, Maksim** IOP conference series : materials science and engineering 2021 / art. 012010, 9 p <https://doi.org/10.1088/1757-899X/1140/1/012010>

### **Adhesive wear of WC- and TiC-based friction stir welding tool materials for aluminium alloy welding [Electronic resource]**

**Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / 6 p. : ill. [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

### **Advanced autonomous vehicle's functions for safety improvements in urban mobility context = Täiustatud autonoomsete sõidukite funktsioonid ohutuse parandamiseks linnaliikluse kontekstis**

**Malayjerdi, Ehsan** 2022 <https://doi.org/10.23658/taltech.46/2022> [https://www.ester.ee/record=b5511689\\*est](https://www.ester.ee/record=b5511689*est) <https://digikogu.taltech.ee/et/Item/b7da5652-066b-408c-81b4-d15cb6e46fca>

### **Advanced machine learning and experimental studies of polypropylene based polyesters tribological composite systems for sustainable recycling automation and digitalization**

**Hussain, Abrar; Kübarsepp, Jakob; Sergejev, Fjodor; Goljandin, Dmitri; Hussainova, Irina; Podgurski, Vitali; Karjust, Kristo; Maurya, Himanshu Singh; Rahmani Ahranjani, Ramin; Sinka, Maris** International journal of lightweight materials and manufacture 2024 <https://doi.org/10.1016/j.jlmm.2024.11.001>

### **Advanced trailing edge flap design for commercial aircraft**

**Lauk, Peep; Tähemaa, Toivo; Seegel, Karl-Erik** [Aegats2018 proceedings] 2018 / 7 p. : ill [https://www.etis.ee/File/DownloadPublic/abef8259-2fbd-485a-af5e-7900cf280a2?name=36\\_LAUK%20AEGATS.pdf&type=application%2Fpdf](https://www.etis.ee/File/DownloadPublic/abef8259-2fbd-485a-af5e-7900cf280a2?name=36_LAUK%20AEGATS.pdf&type=application%2Fpdf)

### **Advanced, universal, and facile gel spinning-based aerogel fibrillation : in situ fabrication of highly stretchable TPU-silica hybrid network in ambient conditions**

**Omranpour, Hosseinali; Hassanifard, Soran; Monfared, Ali Reza; Omranpour Shahreza, Babak; Salehi, Amirmehdi; Jalali, Amirjalal; Kheradmandkeymoussi, Mohamad; Rahman, Saadman Sakib; Behdinin, Kamran; Park, Chul B.** Advanced composites and hybrid materials 2024 / art. 105 <https://doi.org/10.1007/s42114-024-00911-9>

### **Advancement in perception capabilities for autonomous vehicles : from dataset collection to scene interpretation = Autonoomsete sõidukite tajuvõimekuse täiustamine : andmekogumisest stseeni tõlgendamiseni**

**Gu, Junyi** 2024 [https://www.ester.ee/record=b5703761\\*est](https://www.ester.ee/record=b5703761*est) <https://digikogu.taltech.ee/et/Item/a1d10aec-0115-4574-8548-356884ec5e86> <https://doi.org/10.23658/taltech.60/2024>

### **Advancement in production engineering education through Virtual Learning Factory Toolkit concept**

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

### **AI functionalities in cobot-based manufacturing for performance improvement in quality control application**

**Moor, Madis; Sarkans, Martinš; Kangru, Tavo; Otto, Tauno; Riives, Jüri** Journal of machine engineering 2024 / p. 5-16 <https://doi.org/10.36897/jme/189169>

### **AI generated route data pre-processing for faster decision making**

**Maas, Rene; Ševtšenko, Eduard; Karaulova, Tatjana** 2024 8th International Young Engineers Forum on Electrical and Computer Engineering (YEF-ECE) 2024 / p. 82-87 <https://doi.org/10.1109/YEF-ECE62614.2024.10625086>

**Akadeemia juures tegutsevad ekspertkogud : Hariduskomisjon**

**Kübarsepp, Jakob** Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2023 / lk. 21-22 [https://www.ester.ee/record=b1218094\\*est](https://www.ester.ee/record=b1218094*est)

**Akadeemia juures tegutsevad ekspertkogud : Hariduskomisjon**

**Kübarsepp, Jakob** Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2022 / lk. 31-32 [https://www.ester.ee/record=b1218094\\*est](https://www.ester.ee/record=b1218094*est) <https://doi.org/3176/evp.2024.01>

**Akadeemia tegevusest 2015. aastal : informaatika ja tehnikateaduste osakond : akadeemik Jakob Kübarsepp : [ettekannet Eesti TA üldkogu koosolekul 20. apr. 2016]**

**Kübarsepp, Jakob** Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2016 2017 / lk. 122-124 [http://www.ester.ee/record=b1218094\\*est](http://www.ester.ee/record=b1218094*est)

**Akadeemia tegevusest 2017. aastal : informaatika ja tehnikateaduste osakond : akadeemik Jakob Kübarsepp : [ettekannet Eesti TA üldkogu aastakoosolekul 20. apr. 2018]**

**Kübarsepp, Jakob** Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2018 / lk. 44-45

**[Akadeemik Jakob Kübarsepa ettekanne Eesti TA üldkogu aastakoosolekul 24. aprillil 2019]**

**Kübarsepp, Jakob** Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2019 / lk. 79-80 [https://www.ester.ee/record=b1218094\\*est](https://www.ester.ee/record=b1218094*est)

**AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates**

Nazaretyan, K.; **Aydinyan, Sofiya**; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; **Traksmaa, Rainer**; **Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p

<https://doi.org/10.1016/j.jallcom.2022.167589> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Algoritm õpetab isejuhtiva auto möödasõite tegema**

Imeline Teadus 2022 / lk. 21 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

**Alloying of TiC-FeCr cermet in manganese vapor**

**Kolnes, Märt**; **Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Viljus, Mart** IOP conference series : materials science and engineering 2021 / art. 012043 <https://doi.org/10.1088/1757-899X/1140/1/012043>

**Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine**

**Taleb, Masoud**; **Ivanov, Roman**; **Bereznev, Sergei**; Kazemi, Sayed Habib; **Hussainova, Irina** Journal of electroanalytical chemistry 2018 / p. 184-192 : ill <https://doi.org/10.1016/j.jelechem.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Alumina-graphene hybrid materials for electrochemical sensing of bio-analytes = Alumiiniumoksiid-graafenhübridmaterjalid biovedelike elektrokeemiliseks tuvastamiseks**

**Taleb, Masoud** 2018 <https://digi.lib.ttu.ee/?11202> [https://www.ester.ee/record=b5180418\\*est](https://www.ester.ee/record=b5180418*est)

**Aluminate-based nanostructured luminescent materials : design of processing and functional properties**

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; **Hussainova, Irina** Materials 2021 / art. 4591 <https://doi.org/10.3390/ma14164591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aluminium - stainless steel hybrid composites obtained by selective laser melting and centrifugal casting [Online resource]**

**Holovenko, Yaroslav**; **Kollo, Lauri**; **Kolnes, Märt** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

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

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

**An integrated platform for blended learning in engineering education**

Makarova, Irina; Shubenkova, Ksenia; Tikhonov, Danila; **Pashkevich, Anton** Proceedings of the 9th International Conference on Computer Supported Education (CSEDU 2017) : April 21-23, 2017, in Porto, Portugal. Volume 2 2017 / p. 171-176 : ill <http://dx.doi.org/10.5220/0006375601710176>

**An IoT course program to foster the adoption of IoT driven food and agriculture in Sub-Saharan Africa (SSA)**

Kuaban, Godlove Suila; Nowak, Mateusz; Czekalski, Piotr; Tokarz, Krzysztof; Tangka, ulius Kewir; Siggursson, Kjartan; Nikitenko, Agris; Berkolds, Karlis; **Sell, Raivo** 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2022 / p. 1-7 <https://doi.org/10.1109/ICECET55527.2022.9872825>

### **An IoT-based approach to digitalize a manufacturing system**

**Mahmood, Kashif; Otto, Tauno; Karaulova, Tatjana; Ševtšenko, Eduard** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 257-261 : ill [http://ise.elnet.ee/record=b2950215~S2\\*est](http://ise.elnet.ee/record=b2950215~S2*est)

### **Analysing adversarial threats to rule-based local-planning algorithms for autonomous driving**

**Roberts, Andrew; Malayjerdi, Mohsen; Bellone, Mauro; Maennel, Olaf Manuel; Malayjerdi, Ehsan** The Inaugural Symposium on Vehicle Security and Privacy (VehicleSec) 2023, 27 February 2023, San Diego, CA, USA 2023 / 8 p. : ill <https://doi.org/10.14722/vehiclesec.2023.23086>

### **Analysing the behaviour of road users and estimating efficiency of smart pedestrian crossing as a tool for sustainable road safety improvement = Liikluskäitumise analüüs ja targa ülekäiguraja tõhususe hindamine jätkusuutliku liiklusohutuse parandamiseks**

**Ess, Juri** 2022 <https://doi.org/10.23658/taltech.35/2022> [https://www.ester.ee/record=b5502798\\*est](https://www.ester.ee/record=b5502798*est)  
<https://digikogu.taltech.ee/et/Item/55ddb22b-6b51-45d2-a644-d4cca822be6>

### **Analysis and design of graphene laminates [Online resource]**

**Majak, Jüri; Kirs, Maarjus; Karjust, Kristo** International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 67 [http://www.ester.ee/record=b4668793\\*est](http://www.ester.ee/record=b4668793*est)

### **Analysis and design of multifunctional laminated glass composite structures**

**Majak, Jüri; Pohlak, Meelis; Öunapuu, Erko; Auriemma, Fabio; Rämmal, Hans; Saarts, Samo** 24th International Conference on Composites/Nano-Engineering : ICCE-24 : Haikou, Hainan Island, China, July 17-23, 2016 2016 / [2] p. : ill

### **Analysis and design optimisation of glass structures = Klaaskonstruksioonide analüüs ning optimeerimine**

**Öunapuu, Erko** 2019 <https://digikogu.taltech.ee/et/Item/1851ce66-14f9-486e-9153-414b75cb0495> [https://www.ester.ee/record=b5284651\\*est](https://www.ester.ee/record=b5284651*est)

### **Analysis and study of the influence of the geometrical parameters of mini unmanned quad-rotor helicopters to optimise energy saving**

**Penkov, Igor; Aleksandrov, Dmitri** International journal of automotive and mechanical engineering 2017 / p. 4730-4746 : ill <https://doi.org/10.15282/ijame.14.4.2017.11.0372> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Analysis of causes of the end of service life of a spray polyurethane foam and polyurea roof**

**Kalamees, Targo; Ilomets, Simo; Põldaru, Mattias; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Õiger, Karl** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 15002, 6 p. : ill <https://doi.org/10.1051/e3sconf/202017215002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

### **Analysis of machine production processes by risk assessment approach**

**Mahmood, Kashif; Ševtšenko, Eduard** Journal of machine engineering 2015 / p. 112-124 : ill

### **Analysis of microstructure and abrasive wear of Fe-based hardfacings with TiC, in-situ synthesized from TiO<sub>2</sub>**

**Yöyler, Sibel; Surzhenkov, Andrei; Antonov, Maksim; Viljus, Mart; Traksmaa, Rainer; Juhani, Kristjan** Euro PM2023 : proceedings 2023 / art. 195090 <https://doi.org/10.59499/EP235762969>

### **Analysis of STEM teaching - most common strategies and methods enabling deep understanding and interactive learning applied by graduates of technical teacher initial and continuing education programs in Estonia**

**Rüütman, Tiia** Interactive Collaborative Learning : proceedings of the 19th ICL Conference - Volume 1 2017 / p. 405-414 : ill [https://doi.org/10.1007/978-3-319-50337-0\\_39](https://doi.org/10.1007/978-3-319-50337-0_39) [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Analysis of the reciprocal wear testing of Aluminum AA1050 processed by a novel mechanical nanostructuring technique**

**Omranpour Shahreza, Babak; Kommel, Lembit; Sergejev, Fjodor; Ivanisenko, Yulia; Antonov, Maksim** IOP conference series : materials science and engineering 2021 / art. 012051, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012051>

### **Analysis of torque distribution in ball-screw mechanisms under extreme temperature conditions**

**Penkov, Igor** Transport means 2018 : proceedings of the international scientific conference : part I 2018 / p. 33-36 : ill <https://transportmeans.ktu.edu/wp-content/uploads/sites/307/2018/02/Transport-means-I-dalis-2018-09-25.pdf>

### **Anisotropic thermal conduction in hierarchically structured composite using graphene-augmented alumina nanofibers**

**Saffarshamshirgar, Ali; Ivanov, Roman; Gasik, Michael; Hussainova, Irina** XVI Conference and Exhibition Of The European

**Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior**

Suo, Chuanjun; Ma, Pan; Jia, Yandong; Liu, Xiao; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 2076, 17 p. : ill <https://doi.org/10.3390/ma14082076> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of agricultural waste as heterogeneous catalysts for biodiesel production**

Khan, Haris Mahmood; Iqbal, Tanveer; Yasin, Saima; Ali, Chaudhry Haider; Abbas, Muhammad Mujtaba; Jamil, Muhammad Asif; **Hussain, Abrar**; Soudagar, Manzoore Elahi M.; Rahman, Muhammad Muhtur Catalysts 2021 / art. 1215, 17 p. : ill <https://doi.org/10.3390/catal11101215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of artificial intelligence and machine learning for BIM : review**

Bassir, David; Lodge, Hugo; Chang, Haochen; **Majak, Jüri**; Chen, Gonfa International journal for simulation and multidisciplinary design optimization 2023 / art. 5 <https://doi.org/10.1051/smdo/2023005> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Application of component organized learning method for DIGSCM 4.0 hybrid courses**

Ševtšenko, Eduard; Maas, Rene; **Karaulova, Tatjana**; Truver, Anna; Nikolajeva, Anna; Revals, Ritvars; Popell, Janek; Dembovska, Iveta; Samuolaitis, Mindaugas; Raupeliene, Asta Learning in the Age of Digital and Green Transition : proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1 2023 / p. 157-170 [https://doi.org/10.1007/978-3-031-26876-2\\_15](https://doi.org/10.1007/978-3-031-26876-2_15) [https://link.springer.com/chapter/10.1007/978-3-031-26876-2\\_15](https://link.springer.com/chapter/10.1007/978-3-031-26876-2_15) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Application of HOHWM based function approximation algorithms in engineering design**

**Mäe, Tiina**; **Plamus, Tiia**; **Majak, Jüri**; **Karunanidhi, Ramachandran**; **Rahman, Md Toufiqur** International conference of numerical analysis and applied mathematics ICNAAM 2021 : Rhodes, Greece, 20–26 September 2021 2023 / art. 250003 <https://doi.org/10.1063/5.0162255> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Application of HOHWM for vibration analysis of nanobeams**

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

**Application of HoHWM in the stability analysis of nonlocal Euler-Bernoulli beam**

Jena, Subrat Kumar; Chakraverty, Snehashish; **Ratas, Mart**; **Kirs, Maarjus** International Conference of Numerical Analysis and Applied Mathematics ICNAAM 2019 : 23–28 September 2019 Rhodes, Greece 2020 / art. 230003 <https://doi.org/10.1063/5.0026439> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Application of simulation modeling to improve management of technological processes during production of automotive components**

Khabibullin, Rifat; Makarova, Irina; **Pashkevich, Anton**; Mavrin, Vadim; Shubenkova, Ksenia 17th Mechatronika 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 43-49 : ill <http://ieeexplore.ieee.org/document/7827791/>

**Application of Taguchi method for in-situ synthesis of TiC from TiO<sub>2</sub>–graphite powders in PTAW hardfacings and characterization thereof**

**Yöyler, Sibel**; **Surzhenkov, Andrei**; **Viljus, Mart**; **Traksmaa, Rainer**; **Juhani, Kristjan** AIP conference proceedings 2024 / art. 040007 <https://doi.org/10.1063/5.0189317>

**Applications of digital twin across industries : a review**

Singh, Maulshree; Srivastava, Rupal; Fuenmayor, Evert; **Kuts, Vladimir**; Qiao, Yuansong; Murray, Niall; Devine, Declan Applied sciences 2022 / art. 5727 <https://doi.org/10.3390/app12115727>

**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](#)

**Arduino projektid alustajale**

**Sell, Raivo**; Raid, Kaupo 2017 [http://www.ester.ee/record=b4686444\\*est](http://www.ester.ee/record=b4686444*est)

## **Arengud tööstuses ja väljakutsed Eesti masinaehituses**

Riives, Jüri Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 89-91 : fot

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

Lauk, Peep; Rebassa, Josep Hueso; Kartušinski, Aleksander; Tisler, Sergei; Tähemaa, Toivo; Polonsky, Andrei Proceedings of the Estonian Academy of Sciences 2016 / p. 284-296 : ill <https://doi.org/10.3176/proc.2016.3.05>

[https://artiklid.elnet.ee/record=b2798402\\*est](https://artiklid.elnet.ee/record=b2798402*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Kumar, Rahul, 1993-; Antonov, Maksim; Beste, U.; Goljandin, Dmitri International journal of refractory metals and hard materials

2020 / art. 105126, 9 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

## **Assessment of durability of environmentally friendly wood-based panels**

Kallavus, Urve; Järv, Hele; Kalamees, Targo; Kurik, Lembit Energy procedia 2017 / p. 207–212 : ill

<https://doi.org/10.1016/j.egypro.2017.09.756> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Assessment of the economic regulation of network industries : oil shale value chain in Estonia**

Uukkivi, Raigo; Koppel, Ott Oil shale 2020 / p. 158-176 : ill <https://doi.org/10.3176/oil.2020.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

## **At the Dawn of a New Era of Sanctions: Russian-Ukrainian Crisis and Sanctions**

Veebel, Viljar; Markus, Raul Orbis 2016 / p. 128 - 139 <https://doi.org/10.1016/j.orbis.2015.12.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

## **Attracting youth to the occupations in the food industry, agriculture and engineering : issues for policy and practice**

Tandzegolskiene, Ilona; Tutlys, Vidmantas; Ševtšenko, Eduard ICERI 2018 : 11th International Conference of Education, Research and Innovation Seville (Spain) 12-14 November, 2018 : conference proceedings 2018 / p. 1637-1643

<http://dx.doi.org/10.21125/iceri.2018.1369>

## **Augmented reality interface for industrial robot control and teleoperation**

Ordile, Laura; Bondarenko, Yevhen; Pizzagalli, Simone Luca; Kuts, Vladimir; Otto, Tauno EuroXR 2021: Proceedings of the

Virtual EuroXR Conference 2021 / p. 15-19 <https://sarjawayeb.vtt.fi/pdf/technology/2021/T395.pdf> <https://doi.org/10.32040/2242-122X.2021.T395>

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

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

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

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

## **Autonomous driving validation and verification using digital twins**

Pikner, Heiko; Malayjerdi, Mohsen; Bellone, Mauro; Baykara, Baris Cem; Sell, Raivo Proceedings of the 10th International

Conference on Vehicle Technology and Intelligent Transport Systems - VEHITS. Vol. 1 2024 / p. 204-211

<https://doi.org/10.5220/0012546400003702>

## **Autonomous last mile shuttle ISEAUTO for education and research**

Sell, Raivo; Leier, Mairo; Rassõlkin, Anton; Ernits, Juhan-Peep International journal of artificial intelligence and machine learning

2020 / p. 18–30 <https://doi.org/10.4018/IJAIML.2020010102>

## **Autonomous mobile robots for production logistics: a process optimization model modification**

Raamets, Tõnis; Majak, Jüri; Karjust, Kristo; Mahmood, Kashif; Hermaste, Aigar Proceedings of the Estonian Academy of

Sciences 2024 / p. 134-141 : ill <https://doi.org/10.3176/proc.2024.2.06>

## **Autonomous vehicle safety evaluation through a high-fidelity simulation approach**

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

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

## **Autonomous vehicle shuttle in Smart City testbed**

Sell, Raivo; Soe, Ralf-Martin; Wang, Ruxin; Rassõlkin, Anton Intelligent System Solutions for Auto Mobility and Beyond :

Advanced Microsystems for Automotive Applications 2020 2021 / p. 143–157 [https://doi.org/10.1007/978-3-030-65871-7\\_11](https://doi.org/10.1007/978-3-030-65871-7_11)

## **Avarii avarii otsa. Saatejuht Tiina Park ajas inimese ülekäigurajal alla**

Vainküla, Kirsti Eesti Ekspres 2024 <https://dea.digar.ee/article/eestiekspres/2024/03/20/23.1>

## **Avatud ja hägus : tärkavate disainipraktikate kaardistamine [Võrguteavik]**

Melioranski, Ruth-Helene; Pärn, Martin 2020 [https://www.ester.ee/record=b5449374\\*est](https://www.ester.ee/record=b5449374*est)

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

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakob; Mikli, Valdek; Adoberg, Eron; Vagiström, Heinar; Kübarsepp, Jakob; Peetsalu, Priidu Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.20> <https://www.scientific.net/KEM.799.20> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) Conference proceeding at Scopus Article at Scopus

## **Axial and torsional buckling analysis of single- and multi-walled carbon nanotubes : finite element comparison between armchair and zigzag types**

Rahmani Ahranjani, Ramin; Antonov, Maksim SN Applied Sciences 2019 / art. 1134, 13 p. : ill <https://doi.org/10.1007/s42452-019-1190-0>

## **Balloon expandable coronary stent materials : a systematic review focused on clinical success**

Vishnu, Jithin; Manivasagam, Geetha; Mantovani, Diego; Prashanth, Konda Gokuldoss In vitro models 2022 / p. 151-175 <https://doi.org/10.1007/s44164-022-00009-w>

## **Balti riikide ja Venemaa vahelised kaubandussuhted : rajasõltuvus või majanduslik ratsionaalsus?**

Markus, Raul; Veebel, Viljar Estonian discussions on economic policy : problems of the national regional policy. Special edition in honour of prof. Sulev Mäeltsemees. Scientific discussions on economic policy in Estonia for the twenty fifth time (1984-2017) = Estnische Gespräche über Wirtschaftspolitik : Probleme der staatlichen Regionalpolitik. Festschrift für Prof. Sulev Mäeltsemees. Estnische wirtschaftspolitische Gespräche schon fünfundzwanzig Jahre in Folge (1984-2017) = Eesti majanduspoliitilised väitlused : riigi regionaalpoliitika probleemid prof. Sulev Mäeltsemehele pühendatud eriväljaanne : kahekümne viiendat korda majanduspoliitilisi teadusväitlusi Eestis (1984-2017) : [artiklite kokkuvõtted] 2017 / lk. 39-41

## **Baltimaade ülikoolidelt kooliõpetajatele : materjalid insenerihariduse populariseerimiseks**

Ševtšenko, Eduard Mente et Manu 2019 / lk. 42-45 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est) [https://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2019/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html)

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

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

## **Beneficial effects of bio-fabricated selenium nanoparticles as seed nanoprimer agent on seed germination in rice (Oryza sativa L.)**

Setty, Jyotsna; Samant, Sanjib Bal; Yadav, Mayank Kumar; Manjubala, Muthusamy; Pandurangam, Vijai Scientific Reports 2023 / art. 22349 <https://doi.org/10.1038/s41598-023-49621-0> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Between EU membership and the sanctions regime against Russia: Factors behind the collapse of Estonian transit sector**

Veebel, Viljar; Markus, Raul Romanian journal of European affairs 2019 / p. 107-130 : ill [https://heinonline.org/HOL/Page?collection=journals&handle=hein.journals/rojaeuf19&id=223&men\\_tab=srchresults](https://heinonline.org/HOL/Page?collection=journals&handle=hein.journals/rojaeuf19&id=223&men_tab=srchresults) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Bidirectional Mo4/3CTx MXene/graphene aerogels for tailored microwave absorption**

Shamshirgar, Ali Saffar; Qin, Lei; Rojas Hernandez, Rocio Estefania; Halim, Joseph; Fernandez, Jose F.; Hussainova, Irina; Rosen, Johanna ACS Applied Nano Materials 2025 / p. 1978-1990 <https://doi.org/10.1021/acsanm.4c06555>

## **Bifunctional oxygen electrocatalyst based on Fe, Co, and nitrogen co-doped graphene-coated alumina nanofibers for Zn-air battery air electrode**

Mooste, Marek; Ahmed, Zubair; Kapitulskis, Pavels; Ivanov, Roman; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Kisand, Vambola; Kukli, Kaupo; Hussainova, Irina; Tammeveski, Kaido Applied Surface Science 2024 / art. 160024 <https://doi.org/10.1016/j.apsusc.2024.160024> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review**

Kamboj, Nikhil Kumar; Ressler, Antonia; Hussainova, Irina Materials 2021 / art. 5338 <https://doi.org/10.3390/ma14185338> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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



**Kamboj, Nikhil Kumar;** Rodriguez, Miguel Angel; **Rahmani Ahranjani, Ramin;** Prashanth, Konda Gokuldoss; **Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill <https://doi.org/10.3176/proc.2019.2.10>  
[http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-185-190.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-185-190.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review**  
**Kamboj, Nikhil Kumar;** Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A. IOP conference series : materials science and engineering 2023 / art. 012022, 10 p. : ill <https://doi.org/10.1088/1757-899X/1296/1/012022>

**Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review**  
**Kamboj, Nikhil Kumar;** Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A. Nordic laser materials processing conference (NOLAMP19) 22-24. august 2023, Turku, Finland : Programme and abstract book 2023 / p. 66 <https://nolamp19.fi/>

**Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review**  
**Kumar, Rahul, 1993-; Rezapourian, Mansoureh;** Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina** Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209>

**Bio-inspired TiB<sub>2</sub>-TiB-TiN lattices by selective laser melting**  
**Liu, Le; Minasyan, Tatevik; Kamboj, Nikhil; Aydinyan, Sofiya; Hussainova, Irina** Materials Letters 2020 / art. 128337 <https://doi.org/10.1016/j.matlet.2020.128337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Biomass-derived graphene-like catalyst material for oxygen reduction reaction**  
**Kaare, Kätlin;** Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobele, Galina; Zhurinsh, Aivars; Niaura, Gediminas; Tamasauskaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Kruusenberg, Ivar ChemNanoMat 2021 <https://doi.org/10.1002/cnma.202000615>

**Biomechanical Features of Graphene-Augmented Inorganic Nanofibrous Scaffolds and Their Physical Interaction with Viruse**  
Gasik, Michael; **Ivanov, Roman;** Kazantseva, Jekaterina; Bilotsky, Yevgen; **Hussainova, Irina** Materials 2021 / art. 164 <https://doi.org/10.3390/ma14010164> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Biomimetics**  
2024 [https://www.mdpi.com/journal/biomimetics/special\\_issues/0K2292JW30](https://www.mdpi.com/journal/biomimetics/special_issues/0K2292JW30)

**Biomimicry and novel structures : advancing the design paradigm of bone implants = Biomimikri ja uudsed struktuurid : luuimplantaatide disainiparadigma edendamine**  
**Rezapourianghahfarokhi, Mansoureh** 2024 <https://doi.org/10.23658/taltech.9/2024> [https://www.ester.ee/record=b5667691\\*est](https://www.ester.ee/record=b5667691*est)  
<https://digikogu.taltech.ee/et/Item/7c3aec59-9566-41cb-b59d-b896fa72100e>

**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](#)

**Blockchain technology on the way of autonomous vehicles development**  
Narbayev, Saltanat; Bakibayev, Timur; Abeshev, Kuanysh; Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton** Transportation research procedia 2020 / p. 168–175 <https://doi.org/10.1016/j.trpro.2020.02.024> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Blockchain-based solution for supply chain traceability: the case of SmartLog Project**  
**Pilvik, Riivo; Körbe Kaare, Kati; Koppel, Ott** 2021 9th International Conference on Traffic and Logistic Engineering (ICTLE) 2021 / p. 57-63 <https://doi.org/10.1109/ICTLE53360.2021.9525749>

**Boosting phosphorescence efficiency by crystal anisotropy in SrAl<sub>2</sub>O<sub>4</sub>:Eu,Dy textured ceramic layers**  
**Rojas Hernandez, Rocio Estefania;** Rubio-Marcos, Fernando; Serrano, Aida; **Hussainova, Irina;** Fernandez, Jose Francisco Journal of the European Ceramic Society 2020 / p. 1677–1683 : ill <https://doi.org/10.1016/j.jeurceramsoc.2019.11.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bridging the gap between technology and usability for portable brain trauma scanning device**  
**Priidel, Eiko;** Mikola, Annika; **Gordon, Rauno;** Martsepp, Maret; Kenkre, Pranay; Taros, Taavi; **Pärenson, Taavet** International journal of bioelectromagnetism 2015 / p. 87-89 : ill

### **Bridging the gap between technology and usability for portable brain trauma scanning device**

**Priidel, Eiko**; Mikola, Annika; **Gordon, Rauno**; **Martsepp, Maret**; **Kenkre, Pranay**; **Taros, Taavi**; **Pärenson, Taavet** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

### **Bussi ja rongiga sõitjaid võib tabada valus hoop**

postimees.ee 2024 [Bussi ja rongiga sõitjaid võib tabada valus hoop](#)

### **The bust, the boom and the sanctions in trade relations with Russia**

Veebel, Viljar; **Markus, Raul** Journal of International Studies 2018 / p. 9-20 <https://doi.org/10.14254/2071-8330.2018/11-1/1> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Calculating power distribution system reliability indexes from Smart Meter data**

**Kuhi, Kristjan**; **Kõrbe Kaare, Kati**; **Koppel, Ott**; **Palu, Ivo** 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513905>

### **Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure**

Aryassov, G.; Gornostajev, Dmitri; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 835–853 <https://doi.org/10.2478/ijame-2018-0046> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Calculation of the traction effort of ISEAUTO self-driving vehicle**

**Rassõlkin, Anton**; **Gevorkov, Levon**; **Vaimann, Toomas**; **Kallaste, Ants**; **Sell, Raivo** 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill <https://doi.org/10.1109/IWED.2018.8321397>

### **Carbonation and leaching behaviors of cement-free monoliths based on high-sulfur fly ashes with the incorporation of amorphous calcium aluminate**

**Usta, Mustafa Cem**; **Yörük, Can Rüstü**; **Uibu, Mai**; **Traksmaa, Rainer**; **Hain, Tiina**; **Gregor, Andre**; **Trikkel, Andres** ACS omega 2023 / p. 29543–29557 : ill <https://doi.org/10.1021/acsomega.3c03286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Carpe diem! : mõtteid aastast 2019 ja elust üldse...**

**Leppik, Peep** 2020 [https://www.ester.ee/record=b5299514\\*est](https://www.ester.ee/record=b5299514*est)

### **Case study of outdoor digital screens effect on drivers**

**Parker, Martin**; **Rosin, Argo**; **Antov, Dago**; **Varjas, Toivo**; **Möller, Taavi**; Gorislavskaja, Inna 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830768>

### **Cavitation resistance of WC-10Co4Cr and WC-20CrC-7Ni HVOF coatings**

Korobov, Yuri; Alwan, H.; Soboleva, Natalia; **Antonov, Maksim** Journal of Thermal Spray Technology 2022 / p. 234–246 <https://doi.org/10.1007/s11666-021-01242-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cavitation-dispersion method for copper cementation from wastewater by iron powder**

Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill <https://doi.org/10.3390/met8110920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CCD IK implementatsion in unity for finding the angles of industrial robots' links**

**Nutonen, Karle**; **Kuts, Vladimir**; **Otto, Tauno** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / art. IMECE2024-142320, V002T03A072 ; 5 p. <https://doi.org/10.1115/IMECE2024-142320>

### **Cermets with Fe-alloy binder : a review**

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

### **Changes in engineering education in the transition to a digital society**

Makarova, Irina; Boyko, Aleksey; Giniyatullin, Ilmur; **Pashkevich, Anton**; Mukhametdinov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p <https://doi.org/10.1109/ICCC49264.2020.9257231>

### **Chaos control in multi-agent hierarchical teamwork**

**Källo, Rommi**; **Eerme, Martin**; **Reedik, Vello** Socio-technical synergetics 2024 / p. 125-159 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

### **Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing**

**Karimi, Javad**; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A: Physical metallurgy and materials science 2023 / p. 3417-3424 : ill <https://doi.org/10.1007/s11661-023-07129-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of organosolv lignins and their application in the preparation of aerogels**

Jõul, Piia; Ho, Tran T.; Kallavus, Urve; Konist, Alar; Leiman, Kristiina; Salm, Olivia-Stella; Kulp, Maria; Koel, Mihkel; Lukk, Tiit *Materials* 2022 / art. 2861 <https://doi.org/10.3390/ma15082861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical vapour deposition of graphene coating onto ceramic nanofibers substrates and applications thereof = Grafeenpinde keemiline aursadestus keraamilistele nanokiududele ja nende kasutus**

Ivanov, Roman 2017 <https://digi.lib.ttu.ee/i/?9128>

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

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

**Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications**

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Sergejev, Fjodor; Krasnou, Illia *Polymers* 2023 / art. 3410, 30 p. : ill <https://doi.org/10.3390/polym15163410> [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; Eckert, Jürgen *3D Printing and Additive Manufacturing* 2024 <https://doi.org/10.1089/3dp.2022.0207>

**CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving**

Gu, Junyi; Bellone, Mauro; Pivonka, Tomas; Sell, Raivo *IEEE Transactions on Intelligent Vehicles* 2024 / 12 p <https://doi.org/10.1109/TV.2024.3454971>

**CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving : preprint**

Gu, Junyi; Bellone, Mauro; Pivonka, Tomas; Sell, Raivo *arXiv.org* 2024 / 12 p. : ill <https://doi.org/10.48550/arXiv.2404.17793>

**Cluster approach in organization of transportation in the Baltic Sea Region**

Nežerenko, Olga; Koppel, Ott; Tuisk, Tarmo *Transport* 2017 / p. 167-179 : ill <https://doi.org/10.3846/16484142.2014.994225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cobalt- and nickel-free titanium and chromium carbide-based cermets = Koobalti- ja nikli-vabad titaankarbiid- ja kroomkarbiidkermised**

Kolnes, Märt 2018 <https://digi.lib.ttu.ee/i/?9960> [https://www.ester.ee/record=b5138030\\*est](https://www.ester.ee/record=b5138030*est)

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

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

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

Jairus, Tanel; Pilvik, Riivo; Körbe Kaare, Kati; Sadam, Arvi; Kuhi, Kristjan *Proceedings of the Estonian Academy of Sciences* 2024 / p. 100-107 <https://doi.org/10.3176/proc.2024.2.01>

**Coin Hoard from Varudi – Vanaküla. Questions and Answers in Conservation**

Viljus, Aive; Viljus, Mart *International journal of conservation science* 2017 / p. 599–606 : ill [http://www.ijcs.uaic.ro/public/IJCS-17-57\\_Viljus.pdf](http://www.ijcs.uaic.ro/public/IJCS-17-57_Viljus.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Collaborative project management framework for partner network initiation**

Ševtšenko, Eduard; Poljantšikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander *Procedia engineering* 2015 / p. 159-168 : ill <http://dx.doi.org/10.1016/j.proeng.2015.01.354>

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

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

**Collaborative work between human and industrial robot in manufacturing by advanced safety monitoring system**

Kuts, Vladimir; Sarkans, Martinš; Otto, Tauno; Tähemaa, Toivo *Annals of DAAAM for 2017 and proceedings of the 28th International DAAAM Symposium "Intelligent Manufacturing & Automation"* : 8-11 November 2017, Zadar, Croatia 2017 / p. 0996-

**Combination of SLM-SPS approaches for tribological, antibacterial and biomaterial applications = Kombineeritud SLM-SPS meetod triboloogiliste, antibakteriaalsete ja biosobivate materjalide valmistamiseks**

Rahmani Ahranjani, Ramin 2020 <https://digikogu.taltech.ee/et/Item/4cd6a755-29d9-4168-a281-a21edca6c729>

**Combined safety and cybersecurity testing methodology for autonomous driving algorithms**

Roberts, Andrew; Malayjerdi, Mohsen; Malayjerdi, Ehsan; Maennel, Olaf Manuel CSCS '22 : Proceedings of the 6th ACM Computer Science in Cars Symposium 2022 / art. 12, 10 p <https://doi.org/10.1145/3568160.3570235>

**Combustion synthesis and consolidation of Ni-W nanocomposite material**

Zakaryan, Marieta; Aydinyan, Sofiya; Kharatyan, Suren Ceramics in modern technologies 2019 / p. 67-74 <https://doi.org/10.29272/cmt.2018.0007>

**Combustion synthesis and reactive spark plasma sintering of non-equiatomical coal-based high entropy intermetallics**

Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; Aydinyan, Sofiya; Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490 <https://doi.org/10.3390/ma16041490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis of MAX phases: microstructure and properties inherited from the processing pathway**

Aydinyan, Sofiya Crystals 2023 / art. 1143 <https://doi.org/10.3390/cryst13071143> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis of MoSi<sub>2</sub> based composite and selective laser sintering thereof**

Minasyan, Tatevik; Aghayan, Marina; Liu, Le; Aydinyan, Sofiya; Kollo, Lauri; Hussainova, Irina; Rodriguez, Miguel Angel Journal of the European Ceramic Society 2018 / p. 3814-3821 : ill <https://doi.org/10.1016/j.jeurceramsoc.2018.04.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Combustion synthesis of nanoscale boron and silicon carbides**

Zakaryan, Marieta; Amirkhanyan, Narine; Kirakosyan, Hasmik; Zumachyan, Alina; Aydinyan, Sofiya CIMTEC 2022 : 15th International Ceramics Congress (June 20-24) CIMTEC 2022 : 9th Forum on New Materials (June 25-29) 2022 [http://2022.cimtec-congress.org/focused-session-ca-11\\_1](http://2022.cimtec-congress.org/focused-session-ca-11_1)

**Comparative analyses of tribological behavior of ultra nanocrystalline diamond films prepared on different substrates [Online resource]**

Yashin, Maxim; Bogatov, Andrei; Podgurski, Vitali; Sahul, Martin; Čaplovič, Lubomir Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

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

Mehrparvar, Marmar; Majak, Jüri; Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2024 / p. 116-123 <https://doi.org/10.3176/proc.2024.2.04>

**Comparative analysis of two methods for evaluating wear rate of nanocrystalline diamond films**

Bogatov, Andrei; Yashin, Maxim; Viljus, Mart; Menezes, Pradeep; Podgurski, Vitali Engineering materials and tribology XXV 2017 / p. 345-350 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.345> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative analysis of wear rates of microcrystalline diamond and diamond-like carbon coatings deposited on WC-Co substrates**

Yashin, Maxim; Bogatov, Andrei; Podgurski, Vitali Engineering materials and tribology XXV 2017 / p. 436-440 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.436> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB<sub>2</sub> fabricated by selective laser melting and hot pressing**

Xi, L. X.; Zhang, H.; Wang, P.; Li, H.C.; Prashanth, Konda Gokuldoss Ceramics international 2018 / p. 17635-17642 : ill <https://doi.org/10.1016/j.ceramint.2018.06.225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials**

Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.224> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Comparative study of microstructure and mechanical properties of Mg/B<sub>4</sub>C composites: Influence of sintering method and temperature**

Ghasali, Ehsan; Kariminejad, Arash; Raza, Saleem; Orooji, Yasin; Paimard, Giti; Babenko, Andrii; Jie, Li; Ebadzadeh, Touradj Materials chemistry and physics 2024 / art. 129876 <https://doi.org/10.1016/j.matchemphys.2024.129876>

**Comparative study of plasma cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement**

**Tkachivskyi, Dmytro; Viljus, Mart; Traksmaa, Rainer; Antonov, Maksim; Surženkov, Andrei; Juhani, Kristjan; Kulu, Prit** Solid state phenomena ; 320 2021 / p. 83-89 <https://doi.org/10.4028/www.scientific.net/SSP.320.83> [Conference proceedings metrics at Scopus](#) [Article at Scopus](#)

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

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

**Comparative study on electroless composite coatings of textured and untextured Al-substrates**

**Singh, Garima; Mohanty, Shalini;** Kumar Singh, Rabesh; Rai Dixit, Amit; Kumar Sharma, Anuj Materials today: proceedings 2023 / p. 233-240 : ill <https://doi.org/10.1016/j.matpr.2022.12.079> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica**

**Gupta, Ashutosh; Pandey, Vaibhav; Yadav, Mayank Kumar;** Mohanta, Kalyani; Majhi, Manas Ranjan Ceramics international 2022 / p. 35750-35758 <https://doi.org/10.1016/j.ceramint.2022.07.098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparing two wavelet approaches for solving fractional differential equations**

**Majak, Jüri; Kivistik, Lenart; Eerme, Martin; Tungal, Ernst** AIP conference proceedings 2024 / art. 230004 <https://doi.org/10.1063/5.0210415>

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

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

**Comparison of electrical conductivity of cement composite materials**

**Birzniece, Inga Melanija; Cizevska, Anna; Goljandin, Dmitri;** Lusiš, Vitalijs World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS 2022 : Prague, Czech Republic, 5–9 September 2022 2023 / art. 080011 <https://doi.org/10.1063/5.0170574> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Comparison of mechanical and antibacterial properties of TiO<sub>2</sub>/Ag ceramics and Ti6Al4V-TiO<sub>2</sub>/Ag composite materials using combined SLM-SPS techniques**

**Rahmani Ahranjani, Ramin; Rosenberg, Merilin; Ivask, Angela; Kollo, Lauri** Metals 2019 / art. 874, 13 p. : ill <https://doi.org/10.3390/met9080874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings**

**Simson, Taavi; Kulu, Prit; Surženkov, Andrei;** Ciuplys, Antanas; Viljus, Mart; Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill <https://doi.org/10.5755/j01.ms.24.2.19121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings [Online resource]**

**Simson, Taavi; Kulu, Prit; Surženkov, Andrei;** Bendikiene, Regita; Ciuplys, Antanas; Viljus, Mart Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmdtk.ut.ee/teesid-2018/>

**Comparison of the microstructures and mechanical properties of Ti6Al4V fabricated by electron beam melting, spark plasma sintering, and selective laser remelting**

**Karimi, Javad; Prashanth, Konda Gokuldoss** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 39 <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**A comparison of the relationship between individual values and aggressive driving in five countries**

**Findik, Gizem; Kacan, Bilgesu; Solmazer, Gaye; Ersan, Özlem; Zihni, Yesim Üzümcüoğlu; Azik, Derya; Özkan, Türker; Lajunen, Timo; Pashkevich, Anton; Pashkevich, Maria** Journal of transportation safety and security 2022 / p. 430-452 <https://doi.org/10.1080/19439962.2020.1784341> [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](#)

### **Competition between immiscibility GAP and supercooling during non-equilibrium processing of metallic materials**

Aftab, Rabia; **Antonov, Maksim** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 11  
<http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### **Competitiveness analysis of regional airports based on location planning models : the case study of Finland**

**Pashkevich, Anton; Nõmmik, Allan; Antov, Dago** Transport means 2017 : proceedings of the international scientific conference : part III 2017 / p. 754-761 : ill [https://www.dropbox.com/sh/7sjhe2ln3e3qin6/AABB11Gbrf0\\_t8IM7Kho8KmVa?dl=0&preview=Transport+mens+2017+\(Part+3\).pdf](https://www.dropbox.com/sh/7sjhe2ln3e3qin6/AABB11Gbrf0_t8IM7Kho8KmVa?dl=0&preview=Transport+mens+2017+(Part+3).pdf) [Competitiveness analysis of regional airports based on location planning models](#)

### **Component organised learning method for digital supply chain hybrid courses**

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

### **A comprehensive review on development of waste derived hydroxyapatite (HAp) for tissue engineering application**

Kumar Yadav, Mayank; Hiren Shukla, Riddhi; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 / 7 p. : ill  
<https://doi.org/10.1016/j.matpr.2023.04.669>

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

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

### **Concept of the test Bench for electrical vehicle propulsion drive data acquisition**

**Rassõlkin, Anton; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Kuts, Vladimir** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 35-42 : ill  
<https://doi.org/10.1109/ICEPDS47235.2020.9249078>

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

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

### **Concluding remarks**

**Reedik, Vello** Socio-technical synergetics 2024 / p. 160-164 [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

### **Conclusions from the EU-related training need assessments in Estonia in 2002-2013**

**Veebel, Viljar;** Kulu, Liina; **Markus, Raul** International journal of teaching and education 2015 / p. 88-103  
<http://dx.doi.org/10.20472/TE.2015.3.1.007>

### **Condition of common deformations in screws and ball screws**

**Penkov, Igor** 2017 <https://www.lap-publishing.com>

### **Contact stiffness parameters for finite element modeling of contact**

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

### **Control of texture and microstructure in additive manufacturing of stainless steel 316L**

Kumar, Deepak; Shankar, Gyan; **Prashanth, Konda Gokuldoss;** Suwas, Satyam Journal of alloys and compounds / art. 173040  
<https://doi.org/10.1016/j.jallcom.2023.173040>

### **Controlled nanocrystalline precipitation of hydroxyapatite on the surface of microfibrillated cellulose fibers**

**Kärner, Kärt; Elomaa, Matti Antero; Kallavus, Urve; Tõnsuaadu, Kaia** International journal of recent scientific research 2017 / p. 20803-20809 : ill <http://recentscientific.com/sites/default/files/8807-A-2017.pdf>

### **Cooperation projects between university and company : process of formation and objectives of the stakeholders**

**Branten, Eva; Purju, Alari** Entrepreneurship and sustainability issues 2015 / p. 149-156 : ill [http://dx.doi.org/10.9770/jesi.2015.3.2\(3\)](http://dx.doi.org/10.9770/jesi.2015.3.2(3))

### **Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]**

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veronika; Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab  
<https://doi.org/10.1016/j.jnucmat.2018.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

**Corrosion behavior of 17–4 PH stainless steel manufactured by laser powder bed fusion: Effect of graphene coating and heat-treatment**

Maharana, P.; Sahu, D. K.; Sahoo, D.; Mallik, A.; Mishra, S.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; Gollapudi, S.  
Materials today communications 2024 / art. 111098 <https://doi.org/10.1016/j.mtcomm.2024.111098>

**Corrosion behavior of high velocity oxy-fuel sprayed composite Ni-Fe-based self-fluxing alloy - cermet coatings**

Sarjas, Heikki; **Surženkov, Andrei; Baroninš, Janis; Viljus, Mart; Traksmaa, Rainer; Kulu, Priit** Journal of mineral, metal and material engineering 2018 / p. 1-9 : ill <http://www.scientificarray.org/journal-of-mineral-metal-and-material-engineering-volume-4/>

**Cost-effective screen printing approach for Ce/Nd-doped ZnAl<sub>2</sub>O<sub>4</sub> films: tuning crystallinity induced by the substrate**

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; **Necib, Jallouli; Danilson, Mati**; Fernandez, Jose Francisco; **Hussainova, Irina** Physical chemistry chemical physics 2023 / p. 15829-15838 <https://doi.org/10.1039/D3CP02005C> [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 2023 <https://doi.org/10.1089/3dp.2022.0142>

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

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

**Crisis management for public sector during the European financial crisis: lessons of Estonia in 2008-2011**

**Markus, Raul**; Veebel, Viljar Journal of Eastern Europe research in business and economics 2018 / 563930 ; 9 p  
<https://doi.org/10.5171/2018.563930>

**Criteria for the selection of porous cores for thermoacoustic applications**

**Auriemma, Fabio**; Napolitano, Marialuisa; Elio Di, Giulio; Dragonetti, Raffaele INTER-NOISE and NOISE-CON Congress and Conference Proceedings 2020 / p. 119-126 <https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000006/art00016>

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

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

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

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

**Crumb rubber as a secondary raw material from waste rubber : a short review of end-of-life mechanical processing methods**

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kasperovich, Andrei; Myadelets, Vadim; **Goljandin, Dmitri** Recycling 2020 / art. 32, 20 p. : ill <https://doi.org/10.3390/recycling5040032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Crystallization and growth kinetics of Zr<sub>65</sub>Cu<sub>25</sub>Ni<sub>5</sub>Ag<sub>2.5</sub>Al<sub>2.5</sub> 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](#)

**Cu-Ni-Sn alloy fabricated by melt spinning and selective laser melting: a comparative study on the microstructure and formation kinetics**

Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 13097–13105 <https://doi.org/10.1016/j.jmrt.2020.09.047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Current issues in construction industry in Estonia [Online resource]**

**Uukkivi, Raigo** Conference on state control of construction works quality and supervision of construction market in Latvia and in Europe : Riga, 27.11.2015 2015 / [11] p. [Slides] [http://conqual.rtu.lv/wp-content/uploads/sites/15/2015/11/Current-issues-in-Construction-Industry-in-Estonia\\_Raigo\\_Uukkivi\\_27nov2015.pdf](http://conqual.rtu.lv/wp-content/uploads/sites/15/2015/11/Current-issues-in-Construction-Industry-in-Estonia_Raigo_Uukkivi_27nov2015.pdf)

**Curricula updates through students' participation in international competition**

**Valme, Daniil; Belolipetskaja, Diana; Rassõlkin, Anton; Leoste, Janika; Rüttnann, Tiia** 15th International Conference on

### **CVD nanocrystalline multilayer graphene coated 3D-printed alumina lattices**

Ramírez, Cristina; **Shamshirgar, Ali Saffar**; Perez-Coll, Domingo; Osendi, María Isabel; Miranzo, Pilar; Tewari, Girish C.; Karppinen, Maarit; **Hussainova, Irina**; Belmonte, Manuel Carbon 2023 / p. 36-46 <https://doi.org/10.1016/j.carbon.2022.10.085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cyber-physical control system for autonomous logistic robot**

**Pikner, Heiko; Sell, Raivo; Karjust, Kristo; Malayjerdi, Ehsan; Velsker, Tarmo** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 699-704 : ill <https://doi.org/10.1109/PEMC48073.2021.9432526>

### **Cyber-physical control system for self-driving vehicles = Isejuhtivate sõidukite küberfüüsikaline juhtsüsteem**

**Pikner, Heiko** 2024 [https://www.ester.ee/record=b5695069\\*est](https://www.ester.ee/record=b5695069*est) <https://digikogu.taltech.ee/et/Item/15942b01-fddb-4938-a38f-877487151014> <https://doi.org/10.23658/taltech.44/2024>

### **Cyber-physical universal safety and crash detection system for autonomous robot**

**Pikner, Heiko; Sell, Raivo; Malayjerdi, Mohsen** The 16th International Conference "Mechatronic Systems and Materials" MSM 2021 July 1, 2021 – July 2, 2021 : abstract book 2021 / p. 16-17 [http://msm.vgtu.lt/files/conferences/1/MSM2021Abstract\\_Book\\_04005.pdf](http://msm.vgtu.lt/files/conferences/1/MSM2021Abstract_Book_04005.pdf)

### **Cyber-physical universal safety and crash detection system for autonomous robot**

**Pikner, Heiko; Malayjerdi, Mohsen** Robotic systems and applications 2021 / p. 46-52 : ill <https://doi.org/10.21595/rsa.2021.22113>

### **Cyclic loading of TiCN coating by Vickers indentation**

**Saarna, Mart; Lind, Liina; Peetsalu, Priidu; Sergejev, Fjodor** Engineering materials and tribology XXV 2017 / p. 425-429 <https://doi.org/10.4028/www.scientific.net/KEM.721.425> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Dago Antov : Mõistlik kiirus on see, mida juhid järgivad [Võrguväljaanne]**

**Antov, Dago** pealinn.ee 2022 [Dagu Antov : Mõistlik kiirus on see, mida juhid järgivad](#)

### **Dago Antov: Eesti on jalgrattakultuuri poolest selgelt teistest riikidest maha jäänud**

**Antov, Dago** epl.delfi.ee 2024 [Dago Antov: Eesti on jalgrattakultuuri poolest selgelt teistest riikidest maha jäänud](#)

### **Dago Antov: kihutamine linnades on probleem [Võrguväljaanne]**

Lass, Liisu; **Antov, Dago** err.ee 2020 / fot [Dago Antov: kihutamine linnades on probleem](#)

### **Dago Antov: ühistranspordivõrk ei hakka kunagi kõigile sobiv olema**

**Antov, Dago** err.ee 2024 [Dago Antov: ühistranspordivõrk ei hakka kunagi kõigile sobiv olema](#)

### **Damping of acoustic waves in straight ducts and turbulent flow conditions**

**Tiikoja, 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](#)

### **Decision-making framework for industrial-size datacenters**

**Leppiman, Ando; Kotka, Taavi; Kõrbe Kaare, Kati; Koppel, Ott** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 237-242 : ill

### **Decision-making framework for used industrial equipment**

**Karaulova, Tatjana**; Bashkite, Viktoria Engineering Economics 2016 / p. 23 - 31 <https://doi.org/10.5755/j01.ee.27.1.8618> [Journal metrics at Scopus](#) [article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Decision-making tool development for used industrial equipment life cycle evaluation and improvement =**

**Otsustustehnoloogia arendus kasutatud tööstusseadmete elutsükli hindamiseks ja parendamiseks**

**Baškite, Viktoria** 2017 <https://digi.lib.ttu.ee/i/?7672> [https://www.ester.ee/record=b4675749\\*est](https://www.ester.ee/record=b4675749*est)

### **Deep-ultraviolet emitter : rare-earth-free ZnAl<sub>2</sub>O<sub>4</sub> nanofibers via a simple wet chemical route**

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; Romet, Ivo; Del Campo, Adolfo; Gorni, Giulio; **Hussainova, Irina**; Fernandez, Jose Francisco; Nagirnyi, Vitali Inorganic Chemistry 2022 / p. 11886-11896 <https://doi.org/10.1021/acs.inorgchem.2c01646> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deformation and energy absorption studies on FBCC and FBCCz lattice structures with symmetrical density gradients produced by L-PBF of Ti-6Al-4V alloy**

Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2024 / 6 p <https://doi.org/10.1016/j.matpr.2024.02.008>



## **Deformation behavior of metallic lattice structures with symmetrical gradients of porosity manufactured by metal additive manufacturing**

Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Vacuum 2023 / art. 111955

<https://doi.org/10.1016/j.vacuum.2023.111955> [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](#)

## **Densification of the eggshell powder by spark plasma sintering**

**Shukla, Riddhi Hirenkumar**; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 /

art. 171079 <https://doi.org/10.1016/j.jallcom.2023.171079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Densification of the eggshell powder by spark plasma sintering**

**Shukla, Riddhi Hirenkumar**; Rathinavelu, Sokkalingam; Kollo, Lauri; **Prashanth, Konda Gokuldoss** Graduate School of

Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 56 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

## **Dependence of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact**

**Kommel, Lembit**; **Baroninš, Janis** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 229-233 : ill

<https://doi.org/10.4028/www.scientific.net/SSP.267.229> [Conference proceedings at Scopus](#) [Article at Scopus](#)

## **Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology**

**Kamboj, Nikhil Kumar**; **Saffarshamshirgar, Ali**; Shirshneva-Vaschenko, Elena; **Hussainova, Irina** Materials chemistry and

physics 2019 / p. 340-346 : ill <https://doi.org/10.1016/j.matchemphys.2018.12.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Der Handel zwischen Russland und den baltischen Staaten : Pfadabhängigkeit oder wirtschaftliche Rationalität?**

**[Elektronische Ressourcen]**

**Markus, Raul**; Veebel, Viljar Estonian discussions on economic policy (Articles) = Eestische Gespräche über Wirtschaftspolitik (Beiträge) = Eesti majanduspoliitilised väitlused (Artiklid). 1 2017 / S. 66-86 [CD-ROM]

## **Design and manufacturing of composite laminates with structural health monitoring capabilities**

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

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

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

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

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

## **Design and performance of acoustic metamaterial structure for inlet duct noise attenuation [Online resource]**

**Lavrentjev, Jüri**; **Rämmal, Hans** 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 / 2017-32-006, p. 37

[http://www.setc-jsae.com/past\\_docs/2017/list\\_of\\_paper.pdf](http://www.setc-jsae.com/past_docs/2017/list_of_paper.pdf)

## **Design of a unified framework for creating XR experiences for research and academia**

**Bondarenko, Yevhen** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral

school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 11-12 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

## **Design of multifunctional laminated glass composite panel**

**Majak, Jüri**; **Pohlak, Meelis**; Shvartsman, Boris; **Õunapuu, Erko**; **Kirs, Maarjus** ICCS19 : 19th International Conference on

Composite Structures : Sheraton Porto Hotel & Spa, 5-8 September 2016 : proceedings 2016 / p. 140 <http://dx.doi.org/10.15651/978-88-748-8977-8>

## **Design of next generation alloys for additive manufacturing**

**Prashanth, Konda Gokuldoss** Material design & processing communications 2019 / art. 1e50, 4 p. : ill

<https://doi.org/10.1002/mdp2.50>

## **Design of performance characteristics on laser treated denim fabric**

**Mandre, Nele**; **Plamus, Tiia**; **Linder, Angelika**; **Varjas, Toivo**; **Majak, Jüri**; **Krumme, Andres** The materials science =

Medžiagotyra 2023 / 10 p. : ill <https://doi.org/10.5755/j02.ms.33259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Design of performance characteristics on laser treated denim fabric : [conference paper]**

**Mandre, Nele; Plamus, Tiia; Linder, Angelika; Varjas, Toivo; Majak, Jüri; Krumme, Andres** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 36 : ill [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

**Design of stud ends and their influence on load of machine housings**

**Penkov, Igor** Trans & motauto world 2017 / p. 98-101 : ill <https://stumejournals.com/journals/tm/2017/3/98>

**Design optimization of graphene laminates for maximum fundamental frequency**

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

**Determination of carcinoembryonic antigen as a tumor marker using a novel graphene-based label-free electrochemical immunosensor**

Jozghorbani, Maryam; Fathi, Mojtaba; Kazemi, Sayed Habib; **Alinejadian, Navid** Analytical biochemistry 2021 / art. 114017 <https://doi.org/10.1016/j.ab.2020.114017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Developing gravity model for airline regional route modelling**

**Nõmmik, Allan; Kukemelk, Sven** Aviation 2016 / p. 32-37 <https://doi.org/10.3846/16487788.2016.1168007> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Developing intelligent logistics - building a competence model for logistics systems engineer**

**Niine, Tarvo; Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 239-248 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095977>

**Developing of an engineering scientific innovative lab and teaching methodology for smart manufacturing in the hi-engineering school**

**Kekshin, Vjatsheslav; Sarkans, Martinš; Kuts, Vladimir** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / IMECE2024-143105, V002T03A073 ; 8 pages <https://doi.org/10.1115/IMECE2024-143105>

**Development and implementation of enterprise information management systems for interoperability = Ettevõtte infohaldussüsteemide arendamine ja juurutamine koostalitlusvõime jaoks**

**Lemmik, Rivo** 2018 <https://digi.lib.ttu.ee/i/?10624> [https://www.ester.ee/record=b5151053\\*est](https://www.ester.ee/record=b5151053*est)

**Development and implementation of the key performance indicator selection model for SMEs = Väikese ja keskmise suurusega ettevõtete võtmenäitajate valimimudeli arendus ja juurutus**

**Kaganski, Sergei** 2018 <https://digi.lib.ttu.ee/i/?9945> [https://www.ester.ee/record=b5054656\\*est](https://www.ester.ee/record=b5054656*est)

**Development and optimisation of production monitoring system = Tootmise monitooringu süsteemi arendus ja optimeerimine**

**Snatkin, Aleksei** 2016 [https://www.ester.ee/record=b4576990\\*est](https://www.ester.ee/record=b4576990*est)

**Development case study of the first Estonian self-driving car, ISEAUTO**

**Rassõlkin, Anton; Sell, Raivo; Leier, Mairo** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 81-88 : ill <https://doi.org/10.2478/ecce-2018-0009>

**Development of a monitoring system on environment and human health to control a smart bike**

Makarova, Irina; Boyko, Aleksey; **Pashkevich, Anton**; Tsybunov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p <https://doi.org/10.1109/ICCC49264.2020.9257239>

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

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

**Development of a smart workstation by using AR technology**

**Värno, Kätlin; Otto, Tauno; Mahmood, Kashif; Kuts, Vladimir** The application track, posters and demos of EuroVR : Proceedings of the 16th Annual EuroVR Conference - 2019 2019 / p. 19-22 : ill <https://doi.org/10.32040/2242-122X.2019.T357> <https://www.vtresearch.com/sites/default/files/pdf/technology/2019/T357.pdf>

**Development of a smart workstation by using AR technology**

Värno, Kätlin; **Mahmood, Kashif; Otto, Tauno; Kuts, Vladimir** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / 1061-1067 : ill <https://doi.org/10.2507/30th.daaam.proceedings.148>

### **Development of a validation regime for an autonomous campus shuttle**

Medrano-Berumen, Christopher; **Malayjerdi, Mohsen**; Ilhan Akbas, Mustafa; **Sell, Raivo** IEEE SoutheastCon 2020, Raleigh, NC, 28-29 March 2020 : IEEE Region 3's annual conference : virtual : proceedings 2020 / 8 p  
<https://doi.org/10.1109/SoutheastCon44009.2020.9249692>

### **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>

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

**Mahmood, Kashif**; Pizzagalli, Simone Luca; **Otto, Tauno**; **Symotiuk, Ivan** 34th CIRP Design Conference CIRP2024, 3-5 June 2024, Cranfield University, UK : [programme] 2024 / 1 p <https://cranfield.shorthandstories.com/cirp-2024/index.html>

### **Development of aspen bleached chemithermomechanical pulp towards nanostructure = Haava pleegitatud keemilistermilise puitmassi töötlemine nanostruktuuride saamiseks**

**Kärner, Kärt** 2018 <https://digi.lib.ttu.ee/i/?9947> [https://www.ester.ee/record=b5054961\\*est](https://www.ester.ee/record=b5054961*est)

### **Development of cemented carbides with high chromium iron alloy binder = Kõrge kroomisisaldusega rauasulamsideainega kõvasulamite arendus**

**Tarraste, Marek** 2018 <https://digi.lib.ttu.ee/i/?9959> [https://www.ester.ee/record=b5138025\\*est](https://www.ester.ee/record=b5138025*est)

### **Development of coarse recycled hardmetal reinforced hardfacings = Taaskasutatava jämekõvasulamarmatuuriga kõvapinnete arendus**

**Simson, Taavi** 2018 <https://digi.lib.ttu.ee/i/?9946> [https://www.ester.ee/record=b5054964\\*est](https://www.ester.ee/record=b5054964*est)

### **Development of critical thinking and reflection**

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

### **Development of Cu-based shape memory alloy through selective laser melting from elemental powder mixture: Processing and characterization**

Singh, Shalini; Palani, I. A.; Dehghi, Shirin; Qureshi, A. J.; Jinoop, A. N.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171029 <https://doi.org/10.1016/j.jallcom.2023.171029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of cyber-physical production systems based on modelling technologies**

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

### **Development of digital twin-based learning from demonstration system for industrial robots**

**Bondarenko, Yevhen** 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 19-20 : ill  
[https://www.ester.ee/record=b5457278\\*est](https://www.ester.ee/record=b5457278*est)

### **Development of equipment and mathematical model for manufacturing of steered fibre laminate = Seadmete ja matemaatilise mudeli arendamine muutuva kiuga laminaadi valmistamiseks**

**Haavajõe, Anti** 2019 [https://www.ester.ee/record=b5284222\\*est](https://www.ester.ee/record=b5284222*est) <https://digikogu.taltech.ee/et/Item/3328472d-4a53-4e56-a892-93453155327c>

### **Development of hemp hurd particleboards from formaldehyde-free resins**

**Alao, Percy Festus**; Tobias, Micah Onyedikachi; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** 11th International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 99  
[https://www.ester.ee/record=b5347289\\*est](https://www.ester.ee/record=b5347289*est)

### **Development of hemp hurd particleboards from formaldehyde-free resins**

**Alao, Percy Festus**; Tobias, Micah Onyedikachi; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** Agronomy research 2020 / p. 679–688 : ill <https://doi.org/10.15159/AR.20.127> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Development of intelligent manufacturing cell structure for SME digital manufacturing hub = Intelligentse robot-tootmise struktuuri arendus väike- ja keskmise suurusega ettevõtete digitaalsete töökohtade tarbeks**

**Kangru, Tavo** 2021 [https://www.ester.ee/record=b5396857\\*est](https://www.ester.ee/record=b5396857*est) <https://digikogu.taltech.ee/et/Item/999c711f-5ccf-4195-9188-c919894cc7ce>  
<https://doi.org/10.23658/taltech.7/2021>

### **Development of interactive monitoring system for urban environmental impact assessment of transport system**

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

### 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](#)

### Development of process optimization model for autonomous mobile robot used in production logistics

**Majak, Jüri; Karjust, Kristo; Mahmood, Kashif; Hermaste, Aigar; Raamets, Tõnis** AIP conference proceedings 2024 / art. 020008 <https://doi.org/10.1063/5.0189299>

### Development of SCOR database for digitalisation of supply chain customer feedback analysis

Maas, Rene; **Karaulova, Tatjana**; Shevtshenko, Eduard; Popell, Janek; Raji, Ibrahim Oluwole Engineering economics 2023 / p. 439-455 : ill <https://doi.org/10.5755/j01.ee.34.4.31618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Development of solid lubricated composites for high-temperature tribological applications = Tahkmäärdega komposiitide väljatöötamine kõrgtemperatuurseteks triborakendusteks

**Kumar, Rahul, 1993-** 2022 <https://doi.org/10.23658/taltech.75/2022> <https://digikogu.taltech.ee/et/Item/b117812c-4248-4542-ba39-fcbfe5349f4e> [https://www.ester.ee/record=b5528171\\*est](https://www.ester.ee/record=b5528171*est)

### Development of sustainable polypropylene based composites = Polüpropeeni baasil jätkusuutlike komposiitide arendus

**Hussain, Abrar** 2023 <https://doi.org/10.23658/taltech.64/2023> <https://digikogu.taltech.ee/et/Item/ffead123-ec1c-4d27-baa6-ed82c6d527cc> [https://www.ester.ee/record=b5645373\\*est](https://www.ester.ee/record=b5645373*est)[https://www.ester.ee/record=b5645373\\*est](https://www.ester.ee/record=b5645373*est)

### Development of teachers' judgement skills as a component of pre- and in-service training

**Rüütman, Tiia**; Läänemets, Urve; Kaja, Kadi; Kiilu, Kristi Learning in the age of digital and green transition: proceedings of the 25th international conference on interactive collaborative learning (ICL2022), Volume 2 2023 / p. 639-648 [https://doi.org/10.1007/978-3-031-26190-9\\_67](https://doi.org/10.1007/978-3-031-26190-9_67) [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Development of triangular nozzle backpressure sensors

**Hindreus, Tiit; Reedik, Vello** Socio-technical synergetics 2024 / p. 27-29 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

### Development of virtual learning factory toolkit for production engineering education

**Mahmood, Kashif; Otto, Tauno; Kuts, Vladimir**; Terkaj, Walter; Urgo, Marcello; Haidegger, Geza IOP conference series : materials science and engineering 2021 / art. 012039, 8 p <https://doi.org/10.1088/1757-899X/1140/1/012039>

### Development of yttrium-doped BaTiO3 for next-generation multilayer ceramic capacitors

Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-Nadir, Redouane; Belaid, Walid; **Hussainova, Irina**; Kocserha, István ACS omega 2023 / p. 8448-8460 : ill <https://doi.org/10.1021/acsomega.2c07497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dichroic absorption of aligned graphene-augmented inorganic nanofibers in the terahertz regime

Xenidis, Nikolaos; Przewloka, Aleksandra; Stelmaszczyk, Kamil; Haras, Maciej; Smirnov, Serguei; Krajewska, Aleksandra; **Ivanov, Roman; Hussainova, Irina**; Oberhammer, Joachim; Skotnicki, Tomas; Mierczyk, Zygmunt; Lioubtchenko, Dmitri Applied materials today 2024 / art. 102245 <https://doi.org/10.1016/j.apmt.2024.102245>

### Digipööre ja 10 "eluaegset professorit"

**Veinthal, Renno** Mente et Manu 2017 / lk. 16-18 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_03\\_2017/mobile/index.html#p=1](https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1) [https://artiklid.elnet.ee/record=b2820639\\*est](https://artiklid.elnet.ee/record=b2820639*est)

### Digitaalse kaksikuga juhitud logistikarobot Boxbot

Horisont 2021 / lk. 5 : fot [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

### Digital Twin : concept of hybrid programming for industrial robots - use case

**Kuts, Vladimir; Sarkans, Martinš; Otto, Tauno; Tähemaa, Toivo; Bondarenko, Yevhen** ASME 2019 International Mechanical Engineering Congress and Exposition : conference proceedings 2019 / Paper No: IMECE2019-10583, V02BT02A005; 8 pages <https://doi.org/10.1115/IMECE2019-10583>

### 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 : universal user interface for online management of the manufacturing system

**Kuts, Vladimir; Bondarenko, Yevhen; Gavriljuk, Marietta; Partyshev, Andriy; Jegorov, Sergei; Pizzagalli, Simone Luca; Otto, Tauno** Proceedings of the ASME 2021 International Mechanical Engineering Congress and Exposition 2021 / paper no: IMECE2021-69092, 7 p <https://doi.org/10.1115/IMECE2021-69092>

### Digital twin as human-robot interaction validation tool

**Kuts, Vladimir** 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 / p. 27-28 : ill [https://www.ester.ee/record=b5291755\\*est](https://www.ester.ee/record=b5291755*est)

#### **Digital twin as industrial robots manipulation validation tool**

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

#### **Digital twin based learning from demonstration system for industrial robots**

**Bondarenko, Yevhen; Pizzagalli, Simone Luca; Kuts, Vladimir; Petlenkov, Eduard; Otto, Tauno** Proceedings of the ASME 2023 International Mechanical Engineering Congress and Exposition 2023

#### **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](#)

#### **Digital twin based synchronized control and simulation of the industrial robotic cell using virtual reality**

**Kuts, Vladimir** 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 87-88 : ill [https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

#### **Digital twin for FANUC robots: Industrial robot programming and simulation using virtual reality**

**Garg, Gaurav; Kuts, Vladimir; Anbarjafari, Gholamreza** Sustainability (Switzerland) 2021 / Art. 10336 <https://doi.org/10.3390/su131810336> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Digital twin for propulsion drive of autonomous electric vehicle**

**Rassõlkin, Anton; Kuts, Vladimir; Kallaste, Ants; Vaimann, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982326>

#### **Digitalisation of Supply Chain management system for customer quality service improvement**

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

#### **Digitalization of education as a new destination of e-learning**

**Makarova, Irina; Shubenkova, Ksenia; Bagateeva, Angelina; Pashkevich, Anton** Proceedings of ELMAR-2018 : 60th International Symposium ELMAR-2018 : 16-19 September 2018, Zadar, Croatia 2018 / p. 31-34 : ill <http://doi.org/10.23919/ELMAR.2018.8534662>

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

**Makarova, Irina; Shubenkova, Ksenia; Antov, Dago; Pashkevich, Anton** Smart Industry & Smart Education : proceedings of the 15th International Conference on Remote Engineering and Virtual Instrumentation 2019 / p. 32-41 [https://doi.org/10.1007/978-3-319-95678-7\\_4](https://doi.org/10.1007/978-3-319-95678-7_4) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Digitootmise tehnoloogiate arendusest töötlevale tööstusele**

**Küttner, Rein; Karjust, Kristo; Otto, Tauno; Riives, Jüri** Teadusmõtte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 122-129 : ill., fot [https://www.ester.ee/record=b5208765\\*est](https://www.ester.ee/record=b5208765*est)

#### **Directional conductivity in layered alumina**

**Hussainova, Irina; Saffarshamshirgar, Ali; Ivanov, Roman; Volobujeva, Olga; Romanov, Alexey; Gasik, Michael** Current applied physics 2022 / p. 68-73 : ill <https://doi.org/10.1016/j.cap.2020.06.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Disainiaastaga on astunud pikk samm disaini vajalikkuse teadvustamise suunas : vestlusringis osalesid Martin Pärn, Ivar Sakk, Kristjan Mändmaa jt.**

**Pärn, Martin; Sakk, Ivar; Mändmaa, Kristjan** Tööstuskunstist tootedisainini : artikleid 1934-2018 2018 / lk. 138-147 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

#### **Disainihariduse revolutsionäär Martin Pärn**

**Pärn, Martin** Sirp 2016 / lk. 31-32 : ill <http://www.sirp.ee/s1-artiklid/arhitektuur/disainihariduse-revolutsionaar-martin-parn/>

#### **Disainipärlid**

**Pärn, Martin** Tööstuskunstist tootedisainini : artikleid 1934-2018 2018 / lk. 320-324 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

#### **Dissemination of engineering education at schools and its adjustment to needs of enterprises**

**Ševtšenko, Eduard; Karaulova, Tatjana; Igavens, Maris; Kuts, Vladimir** Annals of DAAAM for 2017 and proceedings of the 28th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 8-11 November 2017, Zadar, Croatia 2017 / p. 44-53 : ill

<http://dx.doi.org/10.2507/28th.daaam.proceedings.006>

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

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

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

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

### **Dizaino, technologiju ir ekonominiu išteklju tarpdiscipliniškumo taikymas karjeros konsultavime**

2019 <http://books.rta.lv/index.php/RTA/catalog/view/12/15/52-1>

### **Division of informatics and engineering**

Estonian Academy of Sciences year book 2016 2017 / p. 31-32

### **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](#)

### **Does knowledge retrieval improves work efficiency? An investigation under multiple systems use**

Sutanto, Juliana; Liu, Yi; Grigore, Mihai; **Lemmik, Rivo** International Journal of Information Management 2018 / p. 42 - 53

<https://doi.org/10.1016/j.ijinfomgt.2018.01.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe [Võrguväljaanne]**

Harrik, Airika; **Kangru, Tavo** novaator.err.ee 2021 / fot [Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe](#)

### **Doping engineering for controlled hydration and mechanical properties in Portland cement mortar with ultra-low ZnO concentration**

Tamashiro, Jacqueline Roberta; de la Rubia, Miguel Angel; Rubio-Marcos, Fernando; **Rojas Hernandez, Rocio Estefania**; Silva, Lucas Henrique Pereira; de Paiva, Fabio Friol Guedes; Kinoshita, Angela; Terrades, Amparo Moragues Journal of building engineering 2023 / art. 107748 <https://doi.org/10.1016/j.jobe.2023.107748> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A double-layer acoustic absorber as potential substitute for traditional micro-perforated elements**

**Auriemma, Fabio** Proceedings of Meetings on Acoustics 2017 / art. 030004, p. 1-11 : ill <https://doi.org/10.1121/2.0000598> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

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

### **Drop-out reduction of engineering curriculum by implementing CDIO principles to natural science studies**

**Petritsenko, Andres; Sell, Raivo; Kase, Kärt** Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 2 2025 / p. 394–401 [https://doi.org/10.1007/978-3-031-85649-5\\_38](https://doi.org/10.1007/978-3-031-85649-5_38)

### **DTATG study of NiO Reduction by Mg+C combined reducer**

Zakaryan, Marieta; Niazyan, D.; **Aydinyan, Sofiya**; Kharatyan, Suren Քարատյանի քիմիական հանդես = Chemical Journal of Armenia = Химический журнал Армении 2018 / p. 473–485 : ill <http://chemistry.asj-oa.am/id/eprint/7899> [https://www.ester.ee/record=b1300031\\*est](https://www.ester.ee/record=b1300031*est)

### **Dynamics of flight of the fragments with higher order Haar wavelet method**

**Kivistik, Lenart; Mehrparvar, Marmar; Eerme, Martin; Majak, J** Proceedings of the Estonian Academy of Sciences 2024 / p. 108-115 <https://doi.org/10.3176/proc.2024.2.02>

### **EBSI investigation of microstructure and microtexture evolution on additively manufactured TiC-Fe based cermets— Influence of multiple laser scanning**

**Maurya, Himanshu Singh**; Vikram, R. J.; **Kumar, Rahul, 1993-**; Rahmani Ahranjani, Ramin; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Micron 2024 / art. 103613 <https://doi.org/10.1016/j.micron.2024.103613>

### **An economic and sustainable approach to transform aluminosilicate-rich solid waste to functionally graded composite**

### foam for high-temperature applications

Pandey, Vaibhav; **Yadav, Mayank Kumar**; Panda, Saroja Kanta; Singh, Vinay Kumar Chemosphere 2023 / art. 139588, 12 p. : ill <https://doi.org/10.1016/j.chemosphere.2023.139588> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste

Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri; Klauson, Artur**; Abramovskis, Vitalijs; Baroninš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Metals 2024 / art. 95 <https://doi.org/10.3390/met14010095>

### Economic regulation assessment of network industries : railway infrastructure management in Estonia [Electronic resource]

Uukkivi, Raigo; **Koppel, Ott** Estonian discussions on economic policy = Estnische Gespräche über Wirtschaftspolitik = Eesti majanduspoliitilised väitlused. 26 (1-2) 2018 / p. 155-171 [CD-ROM]

### Economical aspects of the mechanical pre-treatment role in the precious metals recovery from electronic waste

Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri; Klauson, Artur**; Abramovskis, Vitalijs; Baroninš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Preprints.org 2023 / 19 p <https://doi.org/10.20944/preprints202312.2345.v1>

### Editorial : Fundamentals and challenges of advanced amorphous and high-entropy alloys

Song, Kaikai; Huang, Yongjiang; Li, Ran; Qiao, Jichao; Wang, Zhi; **Prashanth, Konda Gokuldoss; Soppu, Daniel** Frontiers in materials 2022 / art. 874556, 3 p. : ill <https://doi.org/10.3389/fmats.2022.874556> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 1

2021 <https://doi.org/10.1007/978-3-030-68198-2>

### Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 2

2021 <https://link.springer.com/book/10.1007%2F978-3-030-68201-9> <https://doi.org/10.1007/978-3-030-68201-9>

### Education for sustainable development

Shevtshenko, Eduard; **Karaulova, Tatjana**; Truver, Anna; Maas, Rene; Golubeva, Kertily Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 3 2025 / p. 60-72 [https://doi.org/10.1007/978-3-031-83523-0\\_6](https://doi.org/10.1007/978-3-031-83523-0_6)

### Eessõna

**Sell, Raivo** Arduino projektid alustajale 2017 / lk. 2 [http://www.ester.ee/record=b4686444\\*est](http://www.ester.ee/record=b4686444*est)

### Eessõna

**Otto, Tauno** Eesti Masinatööstuse Liit. Tallinna Tehnikaülikooli mehaanikateaduskond 80 2016 / lk. 5-6 [https://www.ester.ee/record=b4577314\\*est](https://www.ester.ee/record=b4577314*est)

### Eessõna

**Riives, Jüri** Tööstuse 4.0 väljakutse : metallitöötajate võimestamine nutikate tehaste jaoks 2020 / lk. 3-4 : portr [https://www.ester.ee/record=b5302285\\*est](https://www.ester.ee/record=b5302285*est)

### Eessõna

**Kulu, Priit** Jakob Kübarsepp : bibliograafia 2017 / lk. 7-8 [http://www.ester.ee/record=b4664665\\*est](http://www.ester.ee/record=b4664665*est)

### Eesti arendab platvormi SmartLog

**Kõrbe Kaare, Kati** Ärileht. Logistika : [ajalehe Eesti Päevaleht lisa] 2018 / lk. 19 <https://arileht.delfi.ee/news/uudised/eesti-arendab-platvormi-smartlog?id=84830631> <https://dea.digar.ee/article/eplogistika/2018/12/17/23>

### Eesti avaliku teenistuse koolitusvajaduse hindamise õppetunnid Euroopa Liidu alase koolitusvajaduse uuringute põhjal [Võrguväljaanne]

**Veebel, Viljar**; Kulu, Liina; **Hurt, Ulrika** Eesti Haridusteaduste Ajakiri = Estonian Journal of Education 2015 / lk. 103-126 <http://dx.doi.org/10.12697/eha.2015.3.1.05>

### Eesti disaini tänapäev : Ene Läki intervjuu Martin Pärnaga

**Pärn, Martin** Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 126-129 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

### Eesti esimese autonoomse sõiduki laseauto prototüüp on valmis

**Sell, Raivo** Mente et Manu 2018 / lk. 28-29 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) <http://dea.digar.ee/publication/AKmenteetmanu> <https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu> [https://artiklid.elnet.ee/record=b2866970\\*est](https://artiklid.elnet.ee/record=b2866970*est)

### Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80

2016 [https://www.ester.ee/record=b4577314\\*est](https://www.ester.ee/record=b4577314*est)

## **Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85**

1921 [https://www.ester.ee/record=b5425346\\*est](https://www.ester.ee/record=b5425346*est)

## **Eesti teaduskeel inseneerias**

**Kübarsepp, Jakob; Kulu, Priit** Eesti teaduskeel keelterikkas teadusmaailmas 2020 / lk. 188-211 : ill [https://www.ester.ee/record=b5386829\\*est](https://www.ester.ee/record=b5386829*est)

## **Eesti teevad nutikaks insenerid**

**Renno Veinthal** Postimees 2020 / Lk. 15 <https://dea.digar.ee/article/postimees/2020/12/01/14.6>

## **Eestis konstrueeriti Euroopa moodsaim kiirvoldikvärav**

Imeline Teadus 2023 / lk. 21 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

## **Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline**

ari.genius.ee 2023 [Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline](https://www.ester.ee/record=b2747925*est)

## **Effect of aggregation methods in fuzzy technique for prioritization of criteria of automated vehicle system**

**Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo** AIP conference proceedings 2024 / art. 020011 <https://doi.org/10.1063/5.0189323>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

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

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

## **Effect of carbon stabilizing elements on WC cemented carbides with chromium steel binder**

**Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Mere, Arvo; Viljus, Mart** Materials science = Medžiagotyra 2019 / p. 202-206 : ill <https://doi.org/10.5755/j01.ms.25.2.19619> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Effect of cBN content and additives on sliding and surface fatigue wear of spark plasma sintered Al<sub>2</sub>O<sub>3</sub>-cBN composites**

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

## **Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite**

**Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; Singh, Neera; Jamwal, Anbesh** Materials today: proceedings 2020 / p. 1407-1411 <https://doi.org/10.1016/j.matpr.2019.08.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Effect of electrode covering composition on the microstructure, wear, and economic feasibility of Fe-C-Cr manual arc-welded hardfacings**

**Jankauskas, Vytenis; Katinas, Egidijus; Laskauskas, Arturas; Antonov, Maksim; Varnauskas, Valentinas; Gedzevičius, Irmantas; Aleknevičienė, Vilija** Coatings 2020 / art. 294, 19 p. : ill <https://doi.org/10.3390/coatings10030294> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy**

**Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; Prashanth, Konda Gokuldoss; Rameshbabu, Nagumothu** Surface and coatings technology 2023 / art. 129591 <https://doi.org/10.1016/j.surfcoat.2023.129591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Effect of erodent particle impact energy on wear of cemented carbides**

**Antonov, Maksim; Yung, Der-Liang; Goljandin, Dmitri; Mikli, Valdek; Hussainova, Irina** Wear 2017 / p. 507-515 : ill <https://doi.org/10.1016/j.wear.2016.11.032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Effect of FeNiCrBSiC-MeB<sub>2</sub> material composition on the oxidation behavior at high temperatures**

**Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; Antonov, Maksim** Powder metallurgy and metal ceramics 2019 / p. 670-678 : ill <https://doi.org/10.1007/s11106-019-00030-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Effect of fly-ash cenospheres on properties of clay-ceramic syntactic foams**

Rugele, Kristine; Lehmus, Dirk; Hussainova, Irina; Peculevica, Julite; Lisnanskis, Marks; Shishkin, Andrei Materials 2017 / art. 828, p. 1-17 : ill <https://doi.org/10.3390/ma10070828> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites**

Kandemir, Sinan; Yöyler, Sibel; Kumar, Rahul, 1993-; Antonov, Maksim; Dieringa, Hajo Lubricants 2024 / art. 52 <https://doi.org/10.3390/lubricants12020052>

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

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

### **Effect of HBN on wear of AlCrN-coated spark plasma - sintered TiB<sub>2</sub>/Ti composites at temperatures up to 900°C**

Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Słomka, Edyta; Molenda, Jaroslaw; Liu, Le; Antonov, Maksim; Hussainova, Irina Quarterly tribologia 2022 / p. 43-55 <https://doi.org/10.5604/01.3001.0015.8756>

### **Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]**

Holovenko, Yaroslav; Kollo, Lauri; Jöeleht, Marek; Pohlak, Meelis; Veinthal, Renno World PM2016 proceedings 2016 / [USB]

### **Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures**

Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Palani, Iyamperumal Anand; Paul, Christopher R. C.; Prashanth, Konda Gokuldoss Materials 2021 / art. 4187, 13 p. : ill <https://doi.org/10.3390/ma14154187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes**

Plamus, Tiia; Savest, Natalja; Viirsalu, Mihkel; Harz, Patrick; Tarasova, Elvira; Krasnou, Illia; Vassiljeva, Viktoria; Kallavus, Urve; Krumme, Andres Polymer testing 2018 / p. 335-343 : ill <https://doi.org/10.1016/j.polymertesting.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of laser heat treatment on AlTi<sub>1-x</sub>N-based PVD coatings, deposited on carbon and tool steel substrates**

Surženkov, Andrei; Viljus, Mart; Antonov, Maksim; Kübarsepp, Jakob; Juhani, Kristjan; Kulu, Priit; Vagiström, Heinar; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; Mere, Arvo; Gregor, Andre Surface and coatings technology 2022 / art. 128771 <https://doi.org/10.1016/j.surfcoat.2022.128771> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys**

Xi, Lixia; Guo, Shuang; Prashanth, Konda Gokuldoss; Sarac, Baran; Eckert, Jürgen Vacuum 2021 / art. 110405 <https://doi.org/10.1016/j.vacuum.2021.110405> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of NiCoFeAlTi high entropy intermetallic reinforcement particle size on the microstructure and mechanical properties of CoCrFeMnNi high-entropy alloy composites fabricated by selective laser melting**

Zhang, Zhiyu; Ma, Pan; Fang, Yacheng; Yang, Zhilu; Zhang, Nan; Prashanth, Konda Gokuldoss; Jia, Yandong Journal of alloys and compounds 2023 / art. 169417 <https://doi.org/10.1016/j.jallcom.2023.169417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of niobium on in situ synthesis of titanium carbide in composite hardfacings**

Yöyler, Sibel; Surzhenkov, Andrei; Viljus, Mart; Traskmaa, Rainer; Juhani, Kristjan Materials Engineering and Modern Manufacturing, MeMM 2023 : Selected peer-reviewed extended articles based on abstracts presented at the 30th International Baltic Conference "Materials Engineering and Modern Manufacturing 2023", MeMM 2023 Materials science forum 2023 / p. 55-60 <https://doi.org/10.4028/p-A5WzJl>

### **The effect of niobium on the microstructure evolution of ferritic stainless steel matrix cermets**

Kolnes, Märt; Juhani, Kristjan; Kübarsepp, Jakob; Viljus, Mart Modern materials and manufacturing 2023 2024 / art. 040011 <https://doi.org/10.1063/5.0190158>

### **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 powder characteristic and aging treatment on the corrosion behavior of selective laser melted Al-20Si alloy**

Ma, Pan; Zhang, Zhiyu; Ke, Yu; Yang, Shuhao; Deng, Kun; Cheng, Peng; Chen, Hongdian; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2022 / p. 2367-2377 <https://doi.org/10.1007/s12666-022-02548-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of precipitation heat treatment on a mechanically alloyed Al-based composite reinforced with metallic glassy powder**

Deng, Guiying; Wang, Zhi; Hu, Yuan; Zhao, Qizhong; Zhang, Weiwen; Yang, Chao; Li, Liejun; **Prashanth, Konda Gokuldoss;** Suryanarayana, Challapalli Advanced engineering materials 2024 / 10 p <https://doi.org/10.1002/adem.202401075>

### **Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets**

**Maurya, Himanshu Singh; Kollo, Lauri; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Ceramics international 2022 / p. 20612-20618 <https://doi.org/10.1016/j.ceramint.2022.04.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of process parameters on the properties of $\beta$ -Ti-Nb-based alloys fabricated by selective laser melting: A review**

**Subramanian, Shangavi; Mohanty, Shalini; Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 <https://doi.org/10.1016/j.matpr.2023.03.461> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

### **Effect of scanning speed on mechanical, corrosion, and fretting-tribocorrosion behavior of austenitic 316L stainless steel produced by laser powder bed fusion process**

Uva Narayanan, Chellaiya; Daniel, Ashish; Praveenkumar, Kesavan; Manivasagam, Geetha; Suwas, Satyam; **Prashanth, Konda Gokuldoss;** Suya Prem Anand, Pandaravadivoo Journal of Manufacturing Processes 2024 / p. 1582-1593 <https://doi.org/10.1016/j.jmapro.2024.09.108>

### **Effect of scanning strategy on microstructure and texture evolution in a selective laser melted Al-33Cu eutectic alloy**

Vikram, R. J.; Gokulnath, S. A.; **Prashanth, Konda Gokuldoss;** Suwas, Satyam Journal of alloys and compounds 2023 / art. 168098, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2022.168098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet**

Aramian, Atefeh; Sadeghian, Zohreh; Razavi, Seyed Mohammad J.; **Prashanth, Konda Gokuldoss;** Berto, Filippo Ceramics international 2020 / p. 28749-28757 <https://doi.org/10.1016/j.ceramint.2020.08.037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of sintering method on surface fatigue of carbide composites**

**Petrov, Mihail; Kübarsepp, Jakob; Sergejev, Fjodor; Viljus, Mart; Tarraste, Marek** Engineering materials and tribology XXV 2017 / p. 368-372 : ill <https://doi.org/10.4028/www.scientific.net/KEM.721.368> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Effect of solid lubricants on wear of PVD-coated spark plasma-sintered TiB<sub>2</sub>/Ti composites**

Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Slomka, Edyta; **Liu, Le; Antonov, Maksim; Hussainova, Irina** Modern materials and manufacturing 2023 2024 / art. 040010 <https://doi.org/10.1063/5.0190460>

### **Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg alloy**

Ma, Pan; Ji, Pengcheng; Jia, Yandong; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 330 <https://doi.org/10.3390/ma14020330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of surface features stiffness on tribological performance of 3D printed light-weight Ti6Al4V alloy**

**Antonov, Maksim; Pohlak, Meelis; Ivanov, Roman; Hussainova, Irina** Modern materials and manufacturing 2023 2024 / art. 040015 <https://doi.org/10.1063/5.0189279>

### **The effect of temperature and sliding speed on friction and wear of Si<sub>3</sub>N<sub>4</sub>, Al<sub>2</sub>O<sub>3</sub>, and ZrO<sub>2</sub> balls tested against AlCrN PVD coating**

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

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

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

**Effect of thermal shock treatment parameters on the efficiency of WC-Co cermet recycling**

**Kariminejad, Arash; Antonov, Maksim; Kumar, Rahul, 1993-; Goljandin, Dmitri; Klimczyk, Piotr; Viljus, Mart** AIP conference proceedings 2024 / art. 040013 <https://doi.org/10.1063/5.0189330>

**Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC-CrB<sub>2</sub> coating**

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

**Effect of TiB<sub>2</sub> addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites**

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

**Effect of TiB<sub>2</sub> particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting**

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

**Effect of unit cell rotation on mechanical performance of selective laser melted Gyroid structures for bone tissue engineering**

**Rezapourianghahfarokhi, Mansoureh; Kumar, Rahul, 1993-; Hussainova, Irina** Progress in engineering science 2024 / art. 100011 <https://doi.org/10.1016/j.pes.2024.100011>

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

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

**Effective tools and models for engineering faculty MasteryTeaching supporting meaningful learning**

**Rüütmann, Tiia** Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / 1622-1626 : ill <https://doi.org/10.1109/EDUCON45650.2020.9125266>

**Efficiency assessment of measures to increase sustainability of the transport system**

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

**Efficiency management of robotic production processes at automotive industry**

Makarova, Irina; Khabibullin, Rifat; Mukhametdinov, Eduard; **Pashkevich, Anton**; Shubenkova, Ksenia 17th Mechatronika 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 35-42 : ill <http://ieeexplore.ieee.org/document/7827790/>

**Efficiency optimization of mini unmanned multicopter**

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

**Efficient 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](#)

**Ei meelita ka 3000-eurone palk. Eestis valitseb tõsine inseneride puudus**

Kübarsepp, Iris; Jõesaar, Jete-Ri delfi.ee 2024 [Ei meelita ka 3000-eurone palk. Eestis valitseb tõsine inseneride puudus](#)

**Ein bronzener Brillenspiralanhänger von der Insel Aegna (Estland) : Überlegungen zur Herkunft, Herstellung und zur Insel als Deponierungsort**

Sperling, Uwe; Tamla, Ülle; Trommer, Frank; **Vassiljev, Jüri; Viljus, Mart** Archäologisches Korrespondenzblatt 2021 / S. 205-207 <https://doi.org/10.11588/ak.2021.2.89275> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Ekspedeerija käsiraamat [Võrguteavik]**

Aasjõe, Ülle; Eidast, Ain; **Koppel, Ott** 2016 [http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat\\_2016%20\(15.11\).pdf](http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20(15.11).pdf)  
[http://www.ester.ee/record=b4571864\\*est](http://www.ester.ee/record=b4571864*est)

### **Ekspertid: Tallinna liiklus on võrreldav 1970. aastate Lääne-Euroopaga**

Piir, Rait novaator.err.ee 2024 [Ekspertid: Tallinna liiklus on võrreldav 1970. aastate Lääne-Euroopaga](#)

### **Ekspertihinnanguks murtakse vahel ka raudteerelsse**

Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

### **Ekspertihinnanguks murtakse vahel ka raudteerelsse**

[https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est) 2023 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

### **Elaboration of framework for green and cost efficient package development for electronic industry**

**Ševtšenko, Eduard; Karaulova, Tatjana; Pohlak, Meelis; Mahmood, Kashif** International Conference on Innovative Technologies : IN-TECH 2016 : Prague : proceedings 2016 / p. 239-242 : ill [http://www.in-tech.info/download/INTECH\\_2016\\_proceedings.pdf](http://www.in-tech.info/download/INTECH_2016_proceedings.pdf)

### **Electrical and thermal anisotropy in additively manufactured AlSi10Mg and Fe-Si samples**

**Sarap, Martin; Tiismus, Hans; Kallaste, Ants; Saarna, Mart; Kolnes, Märt;** Shams Ghahfarokhi, Payam; **Vaimann, Toomas** Machines 2025 / art. 1 <https://doi.org/10.3390/machines13010001>

### **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](#)

### **Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology**

**Baroninš, Janis; Podgurski, Vitali; Antonov, Maksim; Bereznev, Sergei; Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418 <https://doi.org/10.4028/www.scientific.net/KEM.721.414> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Electrochemical merits of selective laser melted Mo/MoS2 composite in aqueous solutions**

**Alinejadian, Navid; Kazemi, Sayed Habib; Kollo, Lauri; Grossberg-Kuusik, Maarja;** Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 7 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

### **The electrochemical reduction of oxygen on noble metal free and biomass-based carbon nanomaterials = Hapniku elektrokeemiline redutseerumine väärismetalli-vabadel ja biomassil põhinevatel süsiniku nanomaterjalidel**

**Kaare, Kätlin** 2022 <https://doi.org/10.23658/taltech.48/2022> <https://digikogu.taltech.ee/et/Item/0e17c0ff-8910-49a1-a7f3-8525b28b4b77>  
[https://www.ester.ee/record=b5511685\\*est](https://www.ester.ee/record=b5511685*est)

### **Electroconductive composite of zirconia and hybrid graphene/alumina nanofibers**

**Hussainova, Irina; Drozdova, Maria;** Perez-Coll, Domingo Journal of the European Ceramic Society 2017 / p. 3713-3719 : ill <https://doi.org/10.1016/j.jeurceramsoc.2016.12.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electroconductive oxide ceramics with graphene-encapsulated fillers**

**Hussainova, Irina; Drozdova, Maria; Ivanov, Roman;** Kale, Sudhir S.; Jasiuk, Iwona Proceedings of the 42nd international conference on advanced ceramics and composites 2019 / p. 251–258 <https://doi.org/10.1002/9781119543343.ch25> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Electroconductive oxide ceramics with hybrid graphenated nanofibers = Elektrijuhtiva oksiid-grafeenkiudkeraamika tehnoloogia ja püsivus**

**Drozdova, Maria** 2017 <https://digi.lib.ttu.ee/i/?9119> [http://www.ester.ee/record=b4748247\\*est](http://www.ester.ee/record=b4748247*est)

### **Electro-deposited nano-Ni/reduced graphene oxide composite film of corrugated surface for high voltammetric sensitivity**

**Alinejadian, Navid; Kazemi, Sayed Habib; Nasirpour, Farzad; Odnevall, Inger Charlotta** Materials chemistry and physics 2023 / art. 127288, 8 p. : ill <https://doi.org/10.1016/j.matchemphys.2022.127288> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electroless Ni-P-MoS2-Al2O3 composite coating with hard and self-lubricating properties**

Mohanty, Shalini; Jamal, Nagma; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 6806 <https://doi.org/10.3390/ma15196806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electron beam melting of (FeCoNi)86Al7Ti7 high-entropy alloy**

Peng, Cong; Jia, Yandong; Liang, Jian; Xu, Long; Wang, Gang; Mu, Yongkun; Sun, Kang; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170752 <https://doi.org/10.1016/j.jallcom.2023.170752> [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](#)

**Electrospun conductive membranes from Pani-Ionic liquid blends [Online resource]**

**Plamus, Tiia; Savest, Natalja; Kallavus, Urve;** Krumme, Andres Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7.-8. märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fntdk.ut.ee/teesid-2018/>

**Elust enesest: kuidas paigaldada laborisse mõõtetelt väiksema vannitoa suurune ja 5,5 tonni kaaluv tööpink?**  
digi.geenius.ee 2023 [Elust enesest: kuidas paigaldada laborisse mõõtetelt väiksema vannitoa suurune ja 5.5 tonni kaaluv tööpink?](#)

**EMIL - Eesti Mehaanikainseneride Liit**

**Hermaste, Aigar; Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 86-88 : fot

**EMLi juhatuse esimeeste lood**

Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 7-15 : portr

**Empennage sizing using tail volume**

Karunanidhi, Ramachandran; Scholz, Dieter; **Majak, Jüri; Eerme, Martin** AIP conference proceedings 2022 / art. 380007  
<https://doi.org/10.1063/5.0082095> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Empirical synergetics**

**Tähemaa, Toivo; Reedik, Vello** Socio-technical synergetics 2024 / p. 32-38 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

**Empowering synergy dynamics in chaos control in hierarchical teamwork**

**Källo, Rommi; Eerme, Martin; Reedik, Vello** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 37-42 : ill <http://innomet.ttu.ee/daaam/>

**Enabling the teaching factory leveraging a virtual reality system based on the digital twin**

**Kuts, Vladimir; Otto, Tauno;** Caldarola, Enrico G.; Modoni, Gianfranco E.; Sacco, Marco The Industrial Track of EuroVR 2018: Proceedings of the 15th Annual EuroVR Conference 2018 / p. 26-31 : ill <https://www.vtt.fi/inf/pdf/technology/2018/T339.pdf>

**Encapsulated whiskers as electroconductive fillers for ceramics**

**Hussainova, Irina; Ivanov, Roman;** Kale, Sudhir S.; Jasiuk, Iwona Short fibre reinforced cementitious composites and ceramics 2019 / p. 131-[139] [https://doi.org/10.1007/978-3-030-00868-0\\_9](https://doi.org/10.1007/978-3-030-00868-0_9)

**Endolymphatic structures in headshields of the osteostracan genus Tremataspis (Agnatha) from the Silurian of Estonia**

**Märss, Tiiu;** Wilson, Mark V.H.; **Viljus, Mart** Estonian journal of earth sciences 2022 / p. 135-156 : ill  
<https://doi.org/10.3176/earth.2022.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**End-to-end multimodal sensor dataset collection framework for autonomous vehicles**

**Gu, Junyi;** Lind, Artjom; Chhetri, Tek Raj; **Bellone, Mauro; Sell, Raivo** Sensors 2023 / art. 6783, 25 p. : ill  
<https://doi.org/10.3390/s23156783> [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 efficiency evaluation method for mobile robot platform design = Liikuva robotplatvormi energia efektiivsuse hindamise meetod**

**Väljaots, Eero** 2017 <https://digi.lib.ttu.ee/i/?7414> [https://www.ester.ee/record=b4665023\\*est](https://www.ester.ee/record=b4665023*est)

**Energy efficiency profiles for unmanned ground vehicles**

**Väljaots, Eero; Sell, Raivo** Proceedings of the Estonian Academy of Sciences 2019 / p. 55-65 : ill  
<https://doi.org/10.3176/proc.2019.1.04> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_1/proc-2019-1-55-65.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Engineering pedagogy and engineering educators' competency model for effective teaching and learning steam**

**Rüütman, Tiia** Problems of education in the 21st Century 2023 / p. 531-546 <https://doi.org/10.33225/pec/23.81.531>

## Engineering pedagogy as the basis for effective teaching competencies of engineering faculty

Rüütmann, Tiia Higher Education in Russia = Высшее образование в России 2019 / p. 123–131 : ill <https://doi.org/10.31992/0869-3617-2019-28-12-123-131> [Journal metrics at Scopus](#) [Article at Scopus](#)

## Engineering pedagogy science as the contemporary basis for effective teaching of science, technology and engineering

Rüütmann, Tiia Science and Technology Education: Current challenges and possible solutions : Proceedings of the 3rd International Baltic Symposium on Science and Technology Education (BalticSTE2019), Šiauliai, 17–20 June, 2019 2019 / p. 187–194 [https://www.academia.edu/39654294/SCIENCE\\_AND\\_TECHNOLOGY\\_EDUCATION\\_CURRENT\\_CHALLENGES\\_AND\\_POSSIBLE\\_SOLUTIONS](https://www.academia.edu/39654294/SCIENCE_AND_TECHNOLOGY_EDUCATION_CURRENT_CHALLENGES_AND_POSSIBLE_SOLUTIONS)

## Enhanced optical and thermal conductivity properties of barium titanate ceramic via strontium doping for thermo-optical applications

Tiitih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; Belaid, Walid; Abdelfattah, Mohamed M.; **Hussainova, Irina**; Pszota, Gabor; Kocserha, Istvan Optical and Quantum Electronics 2023 / art. 226, 20 p. : ill <https://doi.org/10.1007/s11082-022-04516-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

## Enhancing mobility as a service with autonomous last-mile shuttles and data exchange layer for public transport

**Kalda, Krister; Sell, Raivo**; Kivimäe, Martin AIP conference proceedings 2024 / art. 020006 <https://doi.org/10.1063/5.0189880>

## Enhancing NIR emission in ZnAl<sub>2</sub>O<sub>4</sub>:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; Gorni, Giulio; Marini, Carlo; **Danilson, Mati**; Pascual, Laura; Ichikawa, Rodrigo Uchida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of materials chemistry C 2021 / p. 657-670 : ill <https://doi.org/10.1039/D0TC04752J> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Enhancing project-based learning through the integration of computer aided manufacturing and metal shaping technologies courses

**Pohlak, Meelis; Kase, Kärt; Sergejev, Fjodor; Pahk, Liisa** Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 3 2025 / p. 430-441 [https://doi.org/10.1007/978-3-031-83523-0\\_40](https://doi.org/10.1007/978-3-031-83523-0_40)

## Enhancing sustainable development of the Estonian maritime sector through policy-making framework = Eesti merendussektori jätkusuutliku arengu toetamine läbi poliitikakujundamise raamistiku

**Nõmmela, Kaidi** 2023 <https://doi.org/10.23658/taltech.12/2023> <https://digikogu.taltech.ee/et/Item/4f531464-c595-4b68-88e7-bf6419442940> [https://www.ester.ee/record=b5552865\\*est](https://www.ester.ee/record=b5552865*est)

## Enhancing the partner selection process in a Sustainable Partner Network

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

## Enhancing the tensile properties of laser repairing Ti-6Al-4V alloys: Optimization of strain distribution based on composition fine-turning

Zhang, H.; Wang, G.; Yang, S.; Wang, N.; **Prashanth, Konda Gokuldoss**; Ye, Z.; Zhao, K.; Zhang, F.; Tan, H. Journal of Materials Science & Technology 2024 / p. 1-11 <https://doi.org/10.1016/j.jmst.2024.02.065>

## Enne süda, siis aju

Rüütmann, Tiia Trialoog 2024 [Enne süda, siis aju](#)

## Ensuring performance measurement integrity in logistics using blockchain

**Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott** 2018 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2018) : Singapore, 31 July - 2 August 2018 2018 / p. 256-261 : ill <https://doi.org/10.1109/SOLI.2018.8476737>

## Ensuring sustainability of public transport system through rational management

Makarova, Irina; **Pashkevich, Anton**; Shubenkova, Ksenia Procedia engineering 2017 / p. 137-146 : ill <https://doi.org/10.1016/j.proeng.2017.01.078> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## Ensuring the cycling safety by improving bicycle infrastructure

Makarova, Irina; Boyko, Aleksey; Shubenkova, Ksenia; **Pashkevich, Anton** Transbaltica XI : Transportation Science and Technology : Proceedings of the International Conference Transbaltica, May 2-3, 2019, Vilnius, Lithuania 2020 / p. 386-396 [https://doi.org/10.1007/978-3-030-38666-5\\_41](https://doi.org/10.1007/978-3-030-38666-5_41)

**Entwicklung eines Expertensystemmodells zur Verbesserung des Wertschöpfungsprozesses des Unternehmens für KMU in der Fertigungsindustrie = Ettevõtte väärtuse loomise protsessi tõhustamise ekspertsüsteemi mudeli väljatöötamine töötleva tööstuse VKE-dele**

Lavin, Jaak 2018 <https://digi.lib.ttu.ee/i/?9943> [https://www.ester.ee/record=b5054667\\*est](https://www.ester.ee/record=b5054667*est)

**Environmental performance of alternative hospital waste management strategies using life cycle assessment (LCA) approach**

Mushtaq, Muhammad Hammad; Noor, Fahad; Mujtaba, M. A.; Asghar, Salman; Yusuf, Abdulfatah Abdu; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Badran, Mohamed Fathy; Shahapurkar, Kiran Sustainability 2022 / art. 14942 <https://doi.org/10.3390/su142214942>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

Medvedovski, Eugene; **Antonov, Maksim** 44th International Conference & Exposition on Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / (ICACC-S2-005-2020) ; p. 19 [https://ceramics.org/wp-content/uploads/2018/09/ICACC20\\_Abstracts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstracts_WebFinal.pdf)

**Erosion wear behavior of HVOF-sprayed WC/Cr<sub>3</sub>C<sub>2</sub>-based cermet and martensitic stainless steel coatings on AISi7Mg0.3 alloy : a comparative study**

Korobov, Yuri; **Antonov, Maksim**; Astafiev, Vladimir; Brodova, Irina; Kutaev, Vladimir; Estemirova, Svetlana; Devyatyarov, Mikhail; Okulov, Artem Journal of manufacturing and materials processing 2024 / art. 231 <https://doi.org/10.3390/jmmp8050231>

**Erosive wear failures**

**Antonov, Maksim** Failure analysis and prevention, vol. 11 2021 / p. 755–763 <https://doi.org/10.31399/asm.hb.v11.a0006795>

**Erosive wear resistance of nature-inspired flexible materials**

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

**Erratum: A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics (J. Mater. Chem. C (2022) 10 (17743–17756) DOI: 10.1039/D2TC04265G)**

**Necib, Jallouli**; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2023 / p. 2397 <https://doi.org/10.1039/d3tc90020g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Erratum: Multifractal analysis of high-temperature plasma irradiated tungsten surfaces (Surface Topography: Metrology and Properties (2021) 9 (035030) DOI: 10.1088/2051-672x/ac1dc3)**

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim** Surface topography : metrology and properties 2023 / art. 029501 <https://doi.org/10.1088/2051-672x/ac1dc3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Esimene Eesti maakond läbib digiauditi**

Saarmann, Tanel; **Riives, Jüri** Eesti Päevaleht 2017 / lk. 18 <https://arileht.delfi.ee/artikkel/80055698/esimene-eesti-maakond-labib-digiauditi-aga-mitte-riigi-eestvedamisel>

**1. juulist kehtima hakkavatest elektri võrgutasudest**

**Rajangu, Väino** Elektriala 2017 / lk. 32 [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est) [https://artiklid.elnet.ee/record=b2819692\\*est](https://artiklid.elnet.ee/record=b2819692*est)

**1. novembrist kehtima hakkavatest elektri võrgutasudest**

**Rajangu, Väino** Elektriala 2017 / lk. 28-29 [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est)

**Estimating parameters for traffic flow using navigation data on vehicles**

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

**Estimating the potential of a warning system preventing road accidents at pedestrian crossings**

**Ess, Juri**; Luppin, Janek; **Antov, Dago** LogForum : Scientific journal of logistics 2021 / p. 441-452 : ill <https://doi.org/10.17270/J.LOG.2021.605> [https://www.logforum.net/pdf/17\\_3\\_10\\_21.pdf](https://www.logforum.net/pdf/17_3_10_21.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Estonian code of conduct for research integrity**

2017 [http://www.ester.ee/record=b4761004\\*est](http://www.ester.ee/record=b4761004*est)

**EU-Financed peripheral large-scale infrastructure projects and the white elephant syndrome : the example of Rail Baltica**

Veebel, Viljar; Ploom, Illimar; Markus, Raul Romanian journal of European affairs 2018 / p. 113–128

[https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3296940](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3296940) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Eu-financed peripheral large-scale infrastructure projects and the white elephant syndrome : the example of Rail Baltica**

Veebel, Viljar; Markus, Raul; Ploom, Illimar Acta Oeconomica 2019 / p. 17 - 39 <https://doi.org/10.1556/032.2019.69.1.2> [Journal metrics](#)

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

**European normative power during Ukrainian-Russian conflict**

Veebel, Viljar; Markus, Raul Baltic journal of law & politics 2018 / p. 1-20 <https://doi.org/10.2478/bjlp-2018-0001> [Journal metrics at](#)

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

**European Regional Airport : Factors Influencing Efficiency**

Nõmmik, Allan; Antov, Dago Transport and telecommunication journal 2020 / p. 211 - 220 <https://doi.org/10.2478/ttj-2020-0017>

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

**Europe's refugee crisis in 2015 and security threats from the Baltic perspective**

Veebel, Viljar; Markus, Raul Journal of politics and law 2015 / p. 254-262 : ill <http://dx.doi.org/10.5539/jpl.v8n4p254>

**Evaluating maritime cluster economic impact : the maritime cluster impact index**

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

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

**Evaluating the microstructural formation in Mo added Ti6Al4V alloy fabricated by direct energy deposition using a laser-stop strategy**

Ye, Z.; Yu, Z.; Gao, P.; Prashanth, Konda Gokuldoss; Zhang, F.; Zhao, K.; Tan, H. Additive Manufacturing 2024 / art. 104226

<https://doi.org/10.1016/j.addma.2024.104226>

**Evaluation of Geometrical Precision and Surface Roughness Quality for the Additively Manufactured Radio Frequency Quadrupole Prototype**

Torims, Toms; Ratkus, G.; Pikurs, D.; Krogere, D.; Vretenar, M.; Cherif, A.; Gruber, S.; Lopez, E.; Pozzi, M.; Otto, Tauno 13th

International Particle Accelerator Conference, June 12-17, 2022 : conference proceedings 2022 / p. 787-791 : ill

<https://doi.org/10.18429/JACoW-IPAC2022-TUOXSP3> <https://accelconf.web.cern.ch/ipac2022/papers/IPAC2022-proceedings.pdf>

**Evaluation of geometrical precision and surface roughness quality for the additively manufactured radio frequency quadrupole prototype**

Torims, Toms; Cherif, A.; Delerue, Nicholas; Foppa Pedretti, M.; Gruber, Samira; Kroger, Dagnija; Lopez, Elena Torres; Otto, Tauno; Pikurs, Guntis; Pozzi, Matteo; Ratkus, A.; Thielmann, Michael; Vedani, Maurizio; Vretenar, Maurizio; Wagenblast, Philipp C. 13th International Particle Accelerator Conference (IPAC'22) 12 - 17 June 2022, Bangkok, Thailand 2023 / art. 012089

<https://doi.org/10.1088/1742-6596/2420/1/012089> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Evaluation of Haar wavelet method for analysis of functionally graded and nanostructures = Haari lainikute meetodi hindamine funktsionaalgradient- ja nanostruktuuride analüüsiks**

Kirs, Maarjus 2018 <https://digi.lib.ttu.ee/i/?10625> [https://www.ester.ee/record=b5151220\\*est](https://www.ester.ee/record=b5151220*est)

**Evaluation of Haar wavelet method in engineering applications**

Kirs, Maarjus; Tungel, Ernst International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 330003 <https://doi.org/10.1063/1.5114341> [Conference proceeding at Scopus](#) [Article at](#)

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

**Evaluation of immersive project-based learning experiences**

Rüütmann, Tiia; Witt, Emlyn David Qivitoq; Olowa, Theophilus Oluwarotimi Olatunde; Puolitaival, Taija; Bragadin, Marco 18th

CDIO : International Conference : proceedings - full papers 2022 / p. 313-323 [https://en.ru.is/media/cdio2022/CDIO\\_2022\\_Proceedings.pdf](https://en.ru.is/media/cdio2022/CDIO_2022_Proceedings.pdf)

**Evaluation of residual stresses in PVD coatings by means of strip substrate length variation and curvature method of plate substrate**

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakob; Adoberg, Eron; Lind, Liina; Kurisoo, Liisa; Peetsalu, Priidu Materials

Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017,

October 26-27, Kaunas, Lithuania 2017 / p. 212-218 <https://doi.org/10.4028/www.scientific.net/SSP.267.212> [Journal metrics at Scopus](#)

[Article at Scopus](#)

**Evaluation of residual stresses in PVD coatings by means of the curvature method of plate**



Lille, Harri; Ryabchikov, Alexander; **Adoberg, Eron; Kurisoo, Liisa; Peetsalu, Priidu; Lind, Liina** Engineering materials and tribology XXV 2017 / p. 404-408 <https://doi.org/10.4028/www.scientific.net/KEM.721.404> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Evaluation of residual stresses in PVD coatings by means of tubular substrate length variation**

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakob; **Adoberg, Eron; Mikli, Valdek; Kübarsepp, Jakob; Peetsalu, Priidu** Residual Stresses 2018 ECRS-10 : 10th European Conference on Residual Stresses(ECRS10) : Leuven, Belgium, 11-14th September, 2018 2018 / p. 131-136 : ill <https://doi.org/10.21741/9781945291890-21>

#### **Evaluation of wear rate of nanocrystalline diamond films using Abbott curve**

**Bogatov, Andrei; Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 185-189 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.185> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Evaluation of virtual reality interface interaction methods for digital twin industrial robot programming and control, a pilot study**

**Pizzagalli, Simone Luca; Kuts, Vladimir; Bondarenko, Yevhen; Otto, Tauno** Proceedings of the ASME 2021 International Mechanical Engineering Congress and Exposition 2021 / paper no: IMECE2021-69408, 9 p <https://doi.org/10.1115/IMECE2021-69408>

#### **Evolution of Dirac cone in disclinated graphene**

Rozhkov, M. A.; Kolesnikova, A. L.; **Hussainova, Irina** Reviews on advanced materials science 2018 / p. 137-142 : ill <https://doi.org/10.1515/rams-2018-0057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

#### **Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system**

Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss;** Bhaskara, Eluri Materials 2022 / art. 230 <https://doi.org/10.3390/ma15010230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Excel-based tool for automatic calibration of urban drainage system models**

**Vassiljev, Anatoli; Annus, Ivar; Kändler, Nils; Truu, Murel; Kaur, Katrin; Suits, Kristjan** Environmental Sciences Proceedings 2022 / art. 30 <https://doi.org/10.3390/environsciproc2022021030>

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

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

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

Soudagar, Manzoore Elahi M.; Khan, Haris Mahmood; Khan, M. Yunus; Razzaq, Luqman; Asif, Tahir; Mujtaba, M. A.; **Hussain, Abrar** Applied sciences 2021 / p. 7071–7089 <https://doi.org/10.3390/app11157071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Experimental analysis of whistle noise in a particle agglomeration pipe [Online resource]**

Zhang, Zhe; **Tiikoja, Heiki;** Abom, Mats; Boden, Hans ASME 2018 Noise Control and Acoustics Division Session presented at INTERNOISE 2018 : August 26-29, 2018, Chicago, IL, USA : [Online proceedings] 2018 / Paper no. NCAD2018-6116, pp. V001T06A002, 8 p. : ill <https://doi.org/10.1115/NCAD2018-6116>

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

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

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

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

#### **Experimental damage mechanics of cotton wastes**

**Hussain, Abrar; Podgurski, Vitali; Antonov, Maksim; Gonjandin, Dmitri; Viljus, Mart** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 19 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

### **Experimental evaluation and numerical modelling of the quality of photovoltaic modules**

**Tšukrejev, Pavel; Karjust, Kristo; Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 477-483 : ill <https://doi.org/10.3176/proc.2021.4.15> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental evaluation and numerical modelling residual stresses in glass panel**

**Majak, Jüri; Anton, Johan; Öunapuu, Erko; Auriemma, Fabio; Pohlak, Meelis; Eerme, Martin; Klauson, Aleksander** 2018 International Conference on Materials Science and Manufacturing Engineering (MSME 2018) MATEC web of conferences 2019 / art. 02003, 7 p. : ill <https://doi.org/10.1051/mateconf/201925302003>

### **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](#)

### **Experimental modal analysis of maritime composite panel**

**Gavrijaševa, Alina; Märtens, Olev; Land, Raul; Saar, Tõnis; Herranen, Henrik; Majak, Jüri; Reidla, Marko; Kuusik, Alar** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 143-146 : ill [http://www.ester.ee/record=b2150914\\*est](http://www.ester.ee/record=b2150914*est)

### **Experimental study of noise barrier boards with increased acoustic performance by utilizing Helmholtz resonator effects**

**Lavrentjev, Jüri; Rämmal, Hans** Materials today: proceedings 2020 / p. 2566-2571 <https://doi.org/10.1016/j.matpr.2020.05.402> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Experimental study of steered fibre composite production**

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

### **Experimental synergetics**

**Reedik, Vello** Socio-technical synergetics 2024 / p. 16-21 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

### **Experimental validation and field trials of 5G cross-border connectivity**

**Elgarhy, Osama Mohamed Mostafa; Kulmar, Marika; Roosipuu, Priit; Rohtla, Margus; Le Moulec, Yannick; Kõrbe Kaare, Kati; Sadam, Arvi; Scholliers, Johan; Alam, Muhammad Mahtab** Proceedings of the IEEE Future Networks World Forum 2024 (IEEE FNWF2024) 2024

### **Exploiting factory telemetry to support virtual reality simulation in robotics cell**

**Kuts, Vladimir; Modoni, Gianfranco E.; Terkaj, Walter; Tähemaa, Toivo; Sacco, Marco; Otto, Tauno** Augmented Reality, Virtual Reality, and Computer Graphics : 4th International Conference, AVR 2017, Ugento, Italy, June 12–15, 2017 : proceedings. Part I 2017 / p. 212-221 : ill [https://doi.org/10.1007/978-3-319-60922-5\\_16](https://doi.org/10.1007/978-3-319-60922-5_16) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Extended Reality for I5.0 : towards human centricity in human-robot interaction = Laiendatud reaalsus Tööstus 5.0 jaoks : inimesekeskse lähenemiseni inimese-roboti suhtluses**

**Pizzagalli, Simone Luca** 2024 [https://www.ester.ee/record=b5694235\\*est](https://www.ester.ee/record=b5694235*est) <https://digikogu.taltech.ee/et/Item/c2c7e80f-6a3c-49fc-8311-6b8f13e75270> <https://doi.org/10.23658/taltech.42/2024>

### **Extended reality interface for human robot interaction**

**Pizzagalli, Simone Luca** 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 27-28 : ill [https://www.ester.ee/record=b5570906\\*est](https://www.ester.ee/record=b5570906*est)

### **Fabrication of Cu-Mo composites combining SHS and SLS technologies : poster presentation**

**Aydinyan, Sofiya; Minasyan, Tatevik; Kirakosyan, Hasmik; Aghayan, Marina; Hussainova, Irina; Kharatyan, Suren** ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : Book of abstracts 2017 / p. 48 <https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf>

### **Fabrication of Cu-W nanocomposites by integration of self-propagating high-temperature synthesis and hot explosive consolidation technologies**

**Aydinyan, Sofiya; Kirakosyan, Hasmik; Zakaryan, Marieta** Eurasian chemico-technological journal 2018 / p. 301-309 : ill <https://doi.org/10.18321/ectj763>

### **Fabrication of localized diamond-filled copper structures via selective laser melting and spark plasma sintering**

**Rahmani Ahranjani, Ramin; Karimi, Javad; Kamboj, Nikhil; Kumar, Rahul, 1993-; Brojan, Miha; Tchórz, Adam; Skrabalak, Grzegorz; Lopes, Sergio Ivan** Diamond and related materials 2023 / art. 109916 <https://doi.org/10.1016/j.diamond.2023.109916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Face centered cubic titanium in high pressure torsion processed carbon nanotubes reinforced titanium composites**  
Li, F. X.; Chen, P.; Chen, Z.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2019 / p. 939-945 : ill  
<https://doi.org/10.1016/j.jallcom.2019.07.277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Failure analysis of a spray polyurethane foam roofing system**

**Kalamees, Targo; Põldaru, Mattias; Ilomets, Simo; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Õiger, Karl** Journal of building engineering 2020 / art. 101752, 9 p. : ill <https://doi.org/10.1016/j.jobe.2020.101752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics**

**Necib, Jallouli;** Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania;** Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 <https://doi.org/10.1039/D2TC04265G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Feedstock preparation, microstructures and mechanical properties for laser-based additive manufacturing of steel matrix composites**

Chen, Hongyu; Kosiba, Konrad; Suryanarayana, Challapalli; Lu, Tiwen; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss** International materials reviews 2023 / p. 1192-1244 <https://doi.org/10.1080/09506608.2023.2258664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fe-Ni binder modified NbC cermets: A cost-effective solution with superior mechanical properties**

Basit, Muhammad Abdul; **Anwar, Furqan;** Ali, Sadaqat; Umer, Malik Adeel; Shahbaz, Tauheed; Ud Din, Emad; Mubashar, Aamir Ceramics international 2024 / 12 p <https://doi.org/10.1016/j.ceramint.2024.09.121>

**Ferritic chromium steel as binder metal for WC cemented carbides**

**Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Mere, Arvo; Kolnes, Märt; Viljus, Mart; Maaten, Birgit** International journal of refractory metals and hard materials 2018 / p. 183-191 : ill <https://doi.org/10.1016/j.jirmhm.2018.02.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fiber laser welded cobalt super alloy L605 : optimization of weldability characteristics**

Prasad, B. Hari; Madhusudhan Reddy, G.; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 7708 <https://doi.org/10.3390/ma15217708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-CeO<sub>2</sub> catalyst : synthesis, structure and properties in propane pre-reforming**

Potemkin, D. I.; **Aghayan, Marina; Kamboj, Nikhil Kumar; Hussainova, Irina** Materials letters 2018 / p. 35-37 : ill <https://doi.org/10.1016/j.matlet.2017.12.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-MO<sub>x</sub> (M= Mg, Cr, Ce) catalysts for propane pre-reforming**

Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar;** Snytnikov, P.V.; **Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill <https://doi.org/10.1016/j.matlet.2019.126741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fiducial marker-based monocular localization for autonomous docking**

**Pivonka, Tomas; Sell, Raivo; Pikner, Heiko; Preucil, Libor** IFAC-PapersOnLine 2023 / p. 2957-2962 <https://doi.org/10.1016/j.ifacol.2023.10.1419> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Findings from cluster analysis of logistics undergraduate curricula in Europe**

**Niine, Tarvo; Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 231-238 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095976>

**5G as an enabler of connected-and-automated mobility in European cross-border corridors — a market assessment**

Rizopoulos, Dimitrios; Laskari, Marina; Kouloumbis, Gerasimos; Fergadiotou, Ioanna; Durkin, Patrick; **Kõrbe Kaare, Kati; Alam, Muhammad Mahtab** Sustainability 2022 / art. 14411 <https://doi.org/10.3390/su142114411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Florida iduettevõtja ja tippteadlane arendab Eestis isejuhtivaid sõidukeid**

toostusuudised.ee 2025 [Florida iduettevõtja ja tippteadlane arendab Eestis isejuhtivaid sõidukeid](#)

**Florida teadlase meelitas Eestisse isejuhtivate sõidukite tipptase ja e-residentsuse programm**

postimees.ee 2025 [Florida teadlase meelitas Eestisse isejuhtivate sõidukite tipptase ja e-residentsuse programm](#)

**Fookus paika : müüa tuleb usaldust**

Jekimov, Dmitri; **Põdra, Priit;** Koha, Andres; Mets, Oliver TööstusEST 2017 / lk. 36-40 : portr [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est)  
[https://artiklid.elnet.ee/record=b2829170\\*est](https://artiklid.elnet.ee/record=b2829170*est)

**Forcing Russia to respect Minsk protocols with dollar auction-game model**

Veebel, Viljar; **Markus, Raul** Journal of International Studies 2018 / p. 9-20 <https://doi.org/10.14254/2071-8330.2018/11-3/1> [Journal](#)

[metrics at Scopus Article at Scopus](#)

### **Forestry crane immersive user interface for control and teleoperation**

**Pizzagalli, Simone Luca; Bondarenko, Yevhen; Baykara, Baris Cem; Niidas, Alar; Kuts, Vladimir;** Kerm, Margus; **Otto, Tauno** Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-94975 <https://doi.org/10.1115/IMECE2022-94975>

### **Foreword**

**Karjust, Kristo** Proceedings of the Estonian Academy of Sciences 2024 / lk. 99 <https://doi.org/10.3176/proc.2024.2.03>  
[https://www.ester.ee/record=b2355998\\*est](https://www.ester.ee/record=b2355998*est)

### **Foreword**

**Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2019 / p. 347  
[http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_4/proc-2019-4-347.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_4/proc-2019-4-347.pdf)

### **Foreword**

**Karjust, Kristo** Proceedings of the Estonian Academy of Sciences 2021 / p. 373 <https://doi.org/10.3176/proc.2021.4.01>

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

**Nežerenko, Olga; Koppel, Ott** Transport and telecommunication 2015 / p. 207-216 : ill <http://dx.doi.org/10.1515/ttj-2015-0019>

### **Formal and informal macro-regional transport clusters as primary tools for ensuring stable competitiveness of the Baltic Sea region**

**Nežerenko, Olga; Koppel, Ott** Research and technology - step into the future 2015 / p. 12-14

### **Formation of fine Mg<sub>2</sub>Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling**

Seth, Prem Prakash; **Singh, Neera;** Singh, Manoj; Prakash, Om; Kumar, Devendra Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

### **Formation of property gradient in coarse-grained niobium using a wedge tool : experiment and analysis**

Tarasov, Oleksandr; **Kübarsepp, Jakob; Viljus, Mart; Saarna, Mart; Sergejev, Fjodor** International journal of refractory metals and hard materials 2024 / art. 106905 <https://doi.org/10.1016/j.ijrmhm.2024.106905>

### **Framework for continuous improvement of production processes**

**Sahno, Jevgeni; Ševtšenko, Eduard; Karaulova, Tatjana;** Tahera, Khadija Inzinerine ekonomika = Engineering economics 2015 / p. 169-180 : ill <http://dx.doi.org/10.5755/j01.ee.26.2.6969>

### **Framework for continuous improvement of production processes and product throughput**

**Sahno, Jevgeni; Ševtšenko, Eduard; Zahharov, Roman** Procedia engineering 2015 / p. 511-519 : ill  
<http://dx.doi.org/10.1016/j.proeng.2015.01.398>

### **A framework for developing educational industry 4.0 activities and study materials**

Christiansen, Lasse; Edvardsen Hvidsten, Tommy; Hemdrup Kristensen, Jesper; Gebhardt, Jonas; **Mahmood, Kashif; Otto, Tauno;** Heidemann Lassen, Astrid; Ditlev Brunoe, Thomas; Schou, Casper; Skov Laursen, Esben Education Sciences 2022 / art. 659  
<https://doi.org/10.3390/educsci12100659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A framework for the design and use of virtual labs in digital engineering education**

Terkaj, Walter; Pessot, Elena; **Kuts, Vladimir; Bondarenko, Yevhen; Pizzagalli, Simone Luca;** Kleine, Kari AIP conference proceedings 2024 / art. 030003 <https://doi.org/10.1063/5.0189669>

### **Free vibration analysis of a functionally graded material beam : evaluation of the Haar wavelet method**

**Kirs, Maarjus; Karjust, Kristo;** Aziz, Imran; **Õunapuu, Erko; Tungel, Ernst** Proceedings of the Estonian Academy of Sciences 2018 / p. 1-9 : ill <https://doi.org/10.3176/proc.2017.4.01> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Free vibration analysis of tapered Timoshenko beam with higher order Haar wavelet method**

**Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo; Arda, Mustafa** Proceedings of the Estonian Academy of Sciences 2022 / p. 77-83 : ill <https://doi.org/10.3176/proc.2022.1.07> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

### **Free vibration analysis of Timoshenko beam by higher-order Haar wavelet method**

**Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo** AIP conference proceedings 2023 / art. 250007 <https://doi.org/10.1063/5.0162269>  
[Conference proceedings at Scopus](#) [Article at Scopus](#)

### Frequency conversion in lanthanide-doped sol-gel derived materials for energy applications

Almeida, Rui M.; Sousa, N.; **Rojas Hernandez, Rocio Estefania**; Santos, Luis F. Journal of Sol-Gel science and technology 2020 / p. 520-529 : ill <https://doi.org/10.1007/s10971-020-05289-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions

Holovenko, Yaroslav; **Antonov, Maksim**; Kollo, Lauri; **Hussainova, Irina** Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 <https://doi.org/10.1177/1350650117738920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Friction welding of electron beam melted Ti-6Al-4V

Qin, P.T.; Damodaram, R.; Maity, Tapabrata; Zhang, W.W.; Yang, C.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2019 / art. 138045, 6 p. : ill <https://doi.org/10.1016/j.msea.2019.138045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying

**Mu, Yongkun**; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 <https://doi.org/10.3390/e22070740> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Function approximation using Haar wavelets

**Majak, Jüri**; **Eerme, Martin**; **Haavajõe, Anti** AIP conference proceedings 2020 / art. 230004 <https://doi.org/10.1063/5.0026543> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### Functionality and activity of Sol-Gel-Prepared Co and Fe co-Doped Lead-Free BTO for thermo-optical applications

Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; **Hussainova, Irina**; Kocserha, Istvan ACS omega 2023 / p. 5003-5016 : ill <https://doi.org/10.1021/acsomega.2c07660> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers

Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania**; Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman**; Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625 <https://doi.org/10.1021/acsami.1c02899> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Functionally gradient Ti6Al4V-TiB composite produced by spark plasma sintering

**Liu, Le**; **Ivanov, Roman**; **Kumar, Rahul**, 1993-; **Minasyan, Tatevik**; **Antonov, Maksim**; **Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012004, 6 p.: ill <https://doi.org/10.1088/1757-899X/1140/1/012004>

### 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](#)

### Fuzzy analytical hierarchy process based environmental, social and governance risks assessment for the future phosphorite mining in Estonia

**Paat, Andrus**; **Majak, Jüri**; **Karu, Veiko**; **Hitch, Michael William** Extractive Industries and Society 2024 / art. 101438 <https://doi.org/10.1016/j.exis.2024.101438> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 4

2025 <https://doi.org/10.1007/978-3-031-83520-9>

### The galvanostatic co-deposition of 3D-grown Ni-rGO nanocomposite : redox enhancement through reduction, texture, and morphology : oral presentation

**Alinejadian, Navid**; Nasirpour, Farzad Graphene Summit 2021 : Global Virtual Summit on Carbon, Graphene, 0D, 1D, and 2D materials, July 22-23, 2021, Beaverton, Oregon, United States of America : online 2021 / p. 2 <https://re.public.polimi.it/retrieve/handle/11311/1180988/644510/Global%20virtual%20summit%20on%20Carbon%2C%20graphene%20...%20-%2022-23.07.2021%20-%20Program.pdf>

### Generation and development of damage in double forged tungsten in different combined regimes of irradiation with extreme heat loads

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veronika**; **Antonov, Maksim** Journal of nuclear materials 2017 / p. 91-102 : ill <https://doi.org/10.1016/j.jnucmat.2017.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Genetic algorithm vs finite differences in an optimization procedure including FEM with fixed mesh

**Auriemma, Fabio** International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13-18 September 2018 2019 / art. 2116, 330006, 4 p <https://doi.org/10.1063/1.5114344> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Goethet lugedes : teadmiste juurdekasv tähendab rahutuse juurdekasvu**

**Leppik, Peep** Sirp 2020 / lk. 9 <https://www.sirp.ee/s1-artiklid/c7-kirjandus/goethet-lugedes-teadmiste-juurdekasv-tahendab-rahutuse-juurdekasvu/>

**Going open source in developing production monitoring system**

**Snatkin, Aleksei; Eiskop, Tanel** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 171-173 : ill

**Gradient microstructure in tantalum formed under the wear track during dry sliding friction**

**Kommel, Lembit; Põdra, Priit; Mikli, Valdek; Omranpour Shahreza, Babak** Wear 2021 / art. 203573, 7 p. : ill  
<https://doi.org/10.1016/j.wear.2020.203573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Grain refinement in laser manufactured Al-based composites with TiB<sub>2</sub> ceramic**

Xi, Lixia; Guo, Shuang; Wang, Ruiqi; Ding, Kai; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2611-2622 <https://doi.org/10.1016/j.jmrt.2020.04.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Graphene augmented nanofibers and their versatile applications**

**Hussainova, Irina; Ivanov, Roman** Reviews on advanced materials and technologies 2020 / p. 9-25 <https://reviewsamt.com/issues/4>

**Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types**

Kazantseva, Jekaterina; **Ivanov, Roman**; Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill <https://doi.org/10.1021/acsbiomaterials.8b00228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Graphene-ceramic hybrid nanofibers for ultrasensitive electrochemical determination of ascorbic acid**

**Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei**; Kazemi, Sayed Habib; **Hussainova, Irina** Microchimica acta 2017 / p. 897-905 : ill <https://doi.org/10.1007/s00604-017-2085-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Green eco-friendly acoustic materials**

**Lavrentjev, Jüri** IOP conference series : materials science and engineering 2021 / art. 012009, 6 p.: ill <https://doi.org/10.1088/1757-899X/1140/1/012009>

**Haar wavelet method for vibration analysis of nanobeams**

**Kirs, Maarjus; Mikola, Madis; Haavajõe, Anti; Öunapuu, Erko**; Shvartsman, Boris; **Majak, Jüri** Waves, wavelets and fractals : advanced analysis 2016 / p. 20-28 : ill <https://doi.org/10.1515/wwfaa-2016-0003>

**Hardness, corrosion behavior, and microstructural characteristics of a selective laser melted 17-4 PH steel : technical note**

Chaitanya, P.; Goud, R.; Raghavan, R.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss; Gollapudi, S.** CORROSION : The Journal of Science and Engineering 2022 / p. 465-472 <https://doi.org/10.5006/3962> [Journal metrics at Scopus](#) [Article at scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hea haridus- ja teaduspoliitika on majanduse alus**

**Kübarsepp, Jakob** Postimees 2024 / lk. 8 <https://dea.digar.ee/article/postimees/2024/10/05/10.2>

**Hea teadustava**

2017 [http://www.ester.ee/record=b4761000\\*est](http://www.ester.ee/record=b4761000*est) [https://www.eetika.ee/sites/default/files/www\\_ut/hea\\_teadustava\\_trukis.pdf](https://www.eetika.ee/sites/default/files/www_ut/hea_teadustava_trukis.pdf)

**Heade mõtete tööstus : Tartus kraaditi tööstuse tulevikku**

**Otto, Tauno** Mente et Manu 2024 / lk. 56-57 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Heat conductive plates from recycled niobium slag**

**Kulu, Priit; Goljandin, Dmitri; Viljus, Mart; Traksmaa, Rainer; Gregor, Andre** Solid State Phenomena ; 320 2021 / p. 169-175  
<https://doi.org/10.4028/www.scientific.net/SSP.320.169> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Hierarchical microstructures and strengthening mechanisms of nano-TiC reinforced CoCrFeMnNi high-entropy alloy composites prepared by laser powder bed fusion**

Chen, Hongyu; Kosiba, Konrad; Lu, Twen; Yao, Ning; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Journal of Materials Science & Technology 2023 / p. 245-259 : ill <https://doi.org/10.1016/j.jmst.2022.06.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hierarchiliselt struktureeritud funktsionaalsed keraamilised komposiidid grafeenlisandiga nanokiududega**

**Saffarshamshirgar, Ali** 2021 [https://www.ester.ee/record=b5453046\\*est](https://www.ester.ee/record=b5453046*est) <https://digikogu.taltech.ee/et/Item/13881820-10e9-4116-bf2c-440a4c2f7b9b> <https://doi.org/10.23658/taltech.42/2021>

### **High energy milling of WC-FeCr cemented carbide**

**Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Kolnes, Märt; Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill <https://www.scientific.net/KEM.799.136> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.136> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **High pressure high temperature consolidation of ZrC based ceramic composites**

**Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Lei;** Cygan, Slawomir; **Hussainova, Irina** [2018 World Congress on Powder Metallurgy (WORLDPM2018), Beijing, China, 16-18 September 2018 2018 / p. [515–518] : [USB]

### **High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications**

**Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; Prashanth, Konda Gokuldoss** Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High strength ductile aluminium matrix composite = Kõrgtugev ja plastne alumiiniumkomposiitmaterjal**

**Kallip, Kaspar** 2017 <https://digi.lib.tu.ee/i/?9114> [https://www.ester.ee/record=b4746456\\*est](https://www.ester.ee/record=b4746456*est)

### **High strength Ti-6Al-4V alloy fabricated by high-energy cube milling using calcium as process control agent (PCA) and spark plasma sintering**

**Babu, N. Kishore; Kallip, Kaspar;** Leparoux, Marc; AIOgab, Khaled A.; Talari, Mahesh Kumar; Alqathani, N. M. The international journal of advanced manufacturing technology 2017 / p. 445-453 : ill <https://doi.org/10.1007/s00170-017-9994-9>

### **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 temperature erosion-corrosion of wear protection materials**

**Varga, Markus; Rojacz, Harald; Widder, Lukas; Antonov, Maksim** Journal of Bio- and Tribo-Corrosion 2021 / art. 87 <https://doi.org/10.1007/s40735-021-00504-9> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **High temperature sliding wear of NiAl-based coatings reinforced by borides**

**Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets Maksym; Antonov, Maksim; Hussainova, Irina** Medziagotyra 2016 / p. 49 - 53 <https://doi.org/10.5755/j01.ms.22.1.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High temperature tribological performance of adaptive hard nanocomposite coatings deposited on a WC-Co substrate**

**Alamgir, Asad; Bogatov, Andrei; Yashin, Maxim; Viljus, Mart; Sondor, J.; Podgurski, Vitali** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 12 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### **High temperature tribological properties of Al<sub>2</sub>O<sub>3</sub>/NCD films investigated under ambient air conditions**

**Podgurski, Vitali; Yashin, Maxim; Jõgiaas, Taivo; Viljus, Mart; Alamgir, Asad; Danilson, Mati; Bogatov, Andrei** Coatings 2020 / art. 175, 13 p. : ill <https://doi.org/10.3390/coatings10020175> [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-entropy eutectic composites with high strength and low Young's modulus**

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

### **Higher order Haar wavelet method for vibration analysis of functionally graded beam**

**Mikola, Madis; Majak, Jüri; Pohlak, Meelis;** Shvartsman, Boris AIP Conference Proceedings 2022 / art. 380003 <https://doi.org/10.1063/5.0081476> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Higher-order Haar wavelet method for vibration analysis of nanobeams**

**Majak, Jüri**; Shvartsman, Boris; **Ratas, Mart**; Bassir, David; **Pohlak, Meelis**; **Karjust, Kristo**; **Eerne, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab <https://doi.org/10.1016/j.mtcomm.2020.101290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction**

**Kaare, Kätlin**; Yu, Eric; Volperts, Aleksandrs; Dobele, Galina; Zhurinsh, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenbergs, Ivar ACS omega 2020 / p. 23578-23587 : ill <https://doi.org/10.1021/acsomega.0c01974> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Highly textured zinc aluminate: Nd, Ce films over sapphire for NIR emitting applications**

**Rojas Hernandez, Rocio Estefania**; Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; **Hussainova, Irina** Ceramics international 2023 / p. 13125 - 13130 <https://doi.org/10.1016/j.ceramint.2022.12.190> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **High-strength aluminum alloy of ultrafine grained by consolidation-ECAP**

Pramono, Agus; **Kollo, Lauri**; **Kommel, Lembit**; **Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill <https://doi.org/10.1088/1757-899X/478/1/012035> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **High-temperature oxidation resistance and tribological properties of Al<sub>2</sub>O<sub>3</sub>/ta-C coating**

**Alamgir, Asad**; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümekemann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 <https://doi.org/10.3390/coatings12040547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **High-temperature tribological performance of Al<sub>2</sub>O<sub>3</sub>/a-C:H:Si coating in ambient air**

**Podgurski, Vitali**; **Alamgir, Asad**; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Danilson, Mati**; **Sergejev, Fjodor**; Lümekemann, Andreas; Kluson, Jan; Sondor, Jozef; **Bogatov, Andrei** Coatings 2021 / art. 495, 15 p. : ill <https://doi.org/10.3390/coatings11050495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **High-temperature tribological performance of hard multilayer TiN-AlTiN/nACo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate**

**Alamgir, Asad**; **Yashin, Maxim**; **Bogatov, Andrei**; **Viljus, Mart**; **Traksmaa, Rainer**; Sondor, Jozef; Lümekemann, Andreas; **Sergejev, Fjodor**; **Podgurski, Vitali** Coatings 2020 / art. 909, 10 p. : ill <https://doi.org/10.3390/coatings10090909> [Journal metrics at WOS](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **High-temperature wear performance of hBN-added Ni-W composites produced from combustion-synthesized powders**

**Kumar, Rahul, 1993-**; **Aydinyan, Sofiya**; **Ivanov, Roman**; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Materials 2022 / art. 1252 <https://doi.org/10.3390/ma15031252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hoiame kokku! Ah et kuidas? : insenerid võitlevad kivistunud arusaamade vastu**

**Arak, Marti**; Kookmaa, Kristjan Inseneria 2016 / lk. [54]-55 : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est) [https://artiklid.elnet.ee/record=b2803300\\*est](https://artiklid.elnet.ee/record=b2803300*est)

#### **Hot sliding wear of 88 wt.% TiB-Ti composites from SHS produced powders**

**Kumar, Rahul, 1993-**; **Liu, Le**; **Antonov, Maksim**; **Ivanov, Roman**; **Hussainova, Irina** Materials 2021 / art. 1242, 14 p.: ill <https://doi.org/10.3390/ma14051242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Human factor as the main operational risk in dangerous goods transport chain**

Janno, Jelizaveta; **Koppel, Ott** Business logistics in modern management : proceedings of the 17th International Scientific Conference 2017 / p. 63-78 : ill [http://blmm-conference.com/wp-content/uploads/BLMM-book\\_2017\\_final\\_version.pdf](http://blmm-conference.com/wp-content/uploads/BLMM-book_2017_final_version.pdf)

#### **Human foot motion simulation during walking**

**Žigailov, Sergei**; **Arjassov, Gennadi**; **Penkov, Igor**; Musalimov, Victor Machines, technologies, materials 2019 / p. 198-201 : ill <https://stumejournals.com/journals/mtm/2019/5/198>

#### **HVOF sprayed Fe-Based wear-resistant coatings with carbide reinforcement, synthesized in situ and by mechanically activated synthesis**

**Tkachivskiy, Dmytro**; **Juhani, Kristjan**; **Surženkov, Andrei**; **Kulu, Priit**; **Antonov, Maksim**; **Goljandin, Dmitri** Coatings 2020 / art. 1092, 15 p. : ill <https://doi.org/10.3390/coatings10111092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hädapeatunud sõiduki ohutuse peab tagama selle juht**

Viita-Neuhaus, Anu Postimees 2024 / lk. 5 <https://dea.digar.ee/article/postimees/2024/11/19/3.10>

#### **Hüperspektraalsensorika rakendamine militaarobjektide signatuuride tuvastamiseks ja varjamiseks**



**Jürise, Martin; Udal, Andres; Kaugerand, Jaanus** Sõjateadlane = Estonian journal of military studies 2018 / lk. 150–170 : ill  
[https://www.ksk.edu.ee/wp-content/uploads/2019/02/06\\_jyrise.pdf](https://www.ksk.edu.ee/wp-content/uploads/2019/02/06_jyrise.pdf) [https://artiklid.elnet.ee/record=b2872674\\*est](https://artiklid.elnet.ee/record=b2872674*est)

### **Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells**

Kazantseva, Jekaterina; **Hussainova, Irina; Ivanov, Roman**; Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill  
<https://doi.org/10.1098/rsfs.2017.0037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants**

**Rahmani Ahranjani, Ramin; Kamboj, Nikhil Kumar**; Brojan, Miha; **Antonov, Maksim; Prashanth, Konda Gokuldoss** Materialia 2022 / art. 101465 <https://doi.org/10.1016/j.mtla.2022.101465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Atique, Muhammad Numan; Imran, S.; Razaq, Luqman; Mujtaba, M. A.; Nawaz, Saad; Kalam, M. A.; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Veza, Iqbal; Arshad, Attique Alexandria engineering journal 2021 / p. 4371–4388 : ill  
<https://doi.org/10.1016/j.aej.2021.09.064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion**

Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 <https://doi.org/10.3390/met11060872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hygrothermal performance of a massive natural stone masonry wall insulated from the internal side with hemp concrete – field measurements in cold climate**

Pau, Markus; **Kalamees, Targo; Kallavus, Urve** Journal of physics : conference series 2021 / art. 012068, 9 p. : ill  
<https://doi.org/10.1088/1742-6596/2069/1/012068> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems [Online resource]**

**Jürise, Martin; Udal, Andres; Kaugerand, Jaanus; Sell, Raivo** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill  
<https://doi.org/10.1109/BEC.2018.8600957>

### **Identification of active sites for oxygen reduction reaction on nitrogen- and sulfur-codoped carbon catalysts**

Villemson, Karl Markus; **Kaare, Kätlin**; Raudsepp, Ragle; Käambre, Tanel; Šmits, Krišjānis; Wang, Pangpang; Kuzmin, Anton V.; Šutka, Andris; Shaiyan, Bagrat A.; Kruusenberg, Ivar Journal of physical chemistry C 2019 / p. 16065–16074  
<https://doi.org/10.1021/acs.jpcc.9b00117>

### **Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale**

**Alao, Percy Festus**; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Sarna, Mart; Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill <https://doi.org/10.3390/polym13060851> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Impact of fuel quantity on luminescence properties of Sr3Al2O6 : Eu by combustion synthesis**

Barbosa, Williams; Álvarez-Docio, C. M.; García-Carrodegua, R.; Fook, M. V. L.; **Rojas Hernandez, Rocio Estefania**; Rodríguez, M. A. Cerâmica 2023 / p. 17–22 <https://doi.org/10.1590/0366-69132023693893379> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Impact of LNG on the energy market of Estonia**

**Purju, Alari** Natural gas revolution and the Baltic Sea region 2015 / p. 160–170 : ill  
[http://www.centrumbalticum.org/files/1910/BSR\\_policy\\_briefing\\_1\\_2015.pdf](http://www.centrumbalticum.org/files/1910/BSR_policy_briefing_1_2015.pdf)

### **The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing**

**Omranpour Shahreza, Babak**; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit; Sergejev, Fjodor** Tribology international 2022 / art. 107412 <https://doi.org/10.1016/j.triboint.2021.107412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Impact of Nb content on the morphology and properties of Ti (C0.5N0.5)-FeCrMo-based green cermets**

**Maurya, Himanshu Singh; Tarraste, Marek; Viljus, Mart; Juhani, Kristjan; Sergejev, Fjodor; Kübarsepp, Jakob** Ceramics international 2024 / 10 p <https://doi.org/10.1016/j.ceramint.2024.11.188>

### **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](#)

### **Impact of variable geometry miniflaps on sailplane flight characteristics**

Lauk, Peep; Seegel, Karl-Erik; **Tähemaa, Toivo** Aviation 2017 / p. 119–125 <https://doi.org/10.3846/16487788.2017.1415228>

**Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel**

Pramano, Agus; Dhoska, Klodian; Markja, Irida; **Kommel, Lembit** Pollack periodica 2019 / p. 67–74

<https://doi.org/10.1556/606.2019.14.1.7> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Implementation of a knowledge-based manufacturing on the example of Sumar Tools OÜ**

**Kruuser, Kaarel; Riives, Jüri; Tšukrejev, Pavel;** Kiolein, Indrek Proceedings of the Estonian Academy of Sciences 2019 / p. 407-

412 : ill [http://www.kirj.ee/32741/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32741/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**Implementation of Digital Twins for electrical energy conversion systems in selected case studies**

**Rassõlkin, Anton;** Orosz, Tamas; **Demidova, Galina;** **Kuts, Vladimir;** **Rjabtšikov, Viktor;** **Vaimann, Toomas;** **Kallaste, Ants**

Proceedings of the Estonian Academy of Sciences 2021 / p. 19-39 : ill <https://doi.org/10.3176/proc.2021.1.03> [https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39\\_20210201183802.pdf](https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Implementation of 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](#)

**Implementation of RF X-parameters principle to non-linear vibro-acoustics membrane as a two-port measurement**

**Moezzi, Reza** IEEE Estonia Section Summer Seminar 2018, 19. and 20. august = IEEE sügisseminar 2018, 19. ja 20. augustil,

Jäneda Mõis 2018 / 21 p. : ill <https://iscx.dcc.ttu.ee/ISC/ws/RezaPresentation.pdf> <https://iscx.dcc.ttu.ee/ISC/ws/ws.asp?IEEEYear=2018>

**Implementing a sol-gel route to adjust the structural and dielectric characteristics of Bi and Fe co-doped BaTiO<sub>3</sub> ceramics**

Gouadria, Hamida; Mourad, Smari; Mnasri, Taoufik; **Necib, Jallouli;** López Sánchez, Jesús; Marín, Pilar; Jamale, Atul P.; Ben

Younes, Rached Inorganic chemistry communications 2023 / art. 110241 <https://doi.org/10.1016/j.inoche.2022.110241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

**Implementing interdisciplinarity in career guidance : guidebook for career counselors : Rezekne, Tallinn, Kaunas 2019**

2019 [https://www.rta.lv/uploads/source/projects/citi%20projekti/2019/Handbook\\_%20EE.pdf](https://www.rta.lv/uploads/source/projects/citi%20projekti/2019/Handbook_%20EE.pdf)

[https://www.researchgate.net/publication/336944607\\_Disaini\\_tehnoloogia\\_ja\\_majanduse\\_erialadevaheliste\\_pohimotete\\_rakendamise\\_karjaarino\\_ustamise\\_kasiraamat](https://www.researchgate.net/publication/336944607_Disaini_tehnoloogia_ja_majanduse_erialadevaheliste_pohimotete_rakendamise_karjaarino_ustamise_kasiraamat)

[https://www.researchgate.net/publication/336944824\\_Karjeras\\_konsultantu\\_rokasgramata\\_dizaina\\_tehnologiju\\_un\\_ekonomikas\\_starpdisciplinaritates\\_istenosanai](https://www.researchgate.net/publication/336944824_Karjeras_konsultantu_rokasgramata_dizaina_tehnologiju_un_ekonomikas_starpdisciplinaritates_istenosanai) [https://www.ester.ee/record=b5188148\\*est](https://www.ester.ee/record=b5188148*est)

**Implementing interdisciplinarity in career guidance for secondary school students in forestry and wood, metal and machinery, agriculture and food sectors of industry**

**Ševtšenko, Eduard;** **Karaulova, Tatjana;** Igavens, Maris; **Kuts, Vladimir** Holistinis mokymasis = Holistic learning 2017 / p. 53-61

<https://doi.org/10.7220/2351-7409.3.5>

**Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions**

Alinejadian, Navid; Kazemi, Sayed Habib; **Grossberg-Kuusik, Maarja;** **Kollo, Lauri;** Odnevall, Inger Charlotta; **Prashanth, Konda**

**Gokuldoss** Materials today chemistry 2022 / art. 101219 <https://doi.org/10.1016/j.mtchem.2022.101219> [Journal metrics at Scopus](#)

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

**Improvement of automotive service management by means of computer simulation**

Makarova, Irina; **Pashkevich, Anton;** Buyvol, Polina; Mavrin, Vadim; Abeshev, Kuanysh; Shubenkova, Ksenia Transportation

research procedia 2020 / P. 160–167 <https://doi.org/10.1016/j.trpro.2020.02.023> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

[Article at WOS](#)

**Improving security of gas supply in Eastern Baltic region : LNG terminal alternatives**

**Leppiman, Ando;** **Körbe Kaare, Kati;** **Koppel, Ott** International journal of energy 2014 / p. 1-7

**Improving the city's transport system sustainability by making a justified choice of the optimal infrastructure solution**

Makarova, Irina; Mavrin, Vadim; Buyvol, Polina; **Pashkevich, Anton;** Mukhametdinov, Eduard 2020 21th International Carpathian

Control Conference (ICCC) 2020 / 6 p <https://doi.org/10.1109/ICCC49264.2020.9257283>

**In situ fabrication of TiC-NiCr cermets by selective laser melting**

Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss;** Berto, Filippo International journal of refractory metals and

hard materials 2020 / art. 105171, 8 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105171> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**In situ Mo(Si,Al)<sub>2</sub>-based composite through selective laser melting of a MoSi<sub>2</sub>-30 wt.% AlSi<sub>10</sub>Mg mixture**

**Minasyan, Tatevik;** **Aydinyan, Sofiya;** Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 3720 ; 13 p

<https://doi.org/10.3390/ma13173720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **In situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications**

Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; Prashanth, Konda Gokuldoss Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill <https://doi.org/10.1039/D4TB00379A>

### **In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta**

Ummethala, Raghunandan; Jayaraj, Jayamani; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Surreddi, Kumar Babu; Prashanth, Konda Gokuldoss Journal of Materials Engineering and Performance 2021 / p. 7967-7978  
<https://doi.org/10.1007/s11665-021-05940-9> Journal metric at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Incorporated maritime policy concept : adopting ESRS principles to support maritime sector's sustainable growth**

Nömmela, Kaidi; Körbe Kaare, Kati Sustainability 2022 / art. 13593 : ill <https://doi.org/10.3390/su142013593> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Induction brazing of cermets to steel and eddy current testing of joint quality**

Laansoo, Andres; Kübarsepp, Jakob; Surženkov, Andrei; Land, Raul; Märtsens, Olev; Viljus, Mart Welding in the World 2020 / p. 563-571 <https://doi.org/10.1007/s40194-020-00854-x> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Industrial approach to circularity of polymer composites : processing, characterization, mechanical testing, and wear regression**

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim Journal of reinforced plastics and composites 2024 / p. 456-472 : ill <https://doi.org/10.1177/07316844231164563> 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

### **Industrial data analytics in manufacturing shop floor level**

Moor, Madis; Pakkanen, Jarkko; Raamets, Tõnis; Mahmood, Kashif; Riives, Jüri AIP conference proceedings 2024 / art. 030006  
<https://doi.org/10.1063/5.0189502>

### **Industrial robot training in the simulation using the machine learning agent**

Nutonen, Karle; Kuts, Vladimir; Otto, Tauno Procedia computer science 2023 / p. 446-455  
<https://doi.org/10.1016/j.procs.2022.12.240> Conference Proceedings at Scopus Article at Scopus

### **Industrial sustainable fabrication, SEM characterization, mechanical testing, ANOVA analysis of PP-PETF recycled composites : artificial intelligence and deep learning studies for nuclear shielding applications**

Hussain, Abrar; Goljandin, Dmitri; Podgurski, Vitali; Yörük, Can Rüstü; Sergejev, Fjodor; Kübarsepp, Jakob; Maurya, Himanshu Singh; Rahmani Ahranjani, Ramin European polymer journal 2024 / art. 113082  
<https://doi.org/10.1016/j.eurpolymj.2024.113082>

### **Industry 4.0 laboratory**

Vaher, Kristo; Vainola, Vello; Otto, Tauno International Scientific Journal Industry 4.0 2019 / p. 210-211 : ill  
<https://stumejournals.com/journals/i4/2019/5/210>

### **Industry 4.0 laboratory**

Vaher, Kristo; Vainola, Vello; Otto, Tauno IV International Scientific Conference, Industry 4.0. Summer session, 24-27.06.2019, Burgas, Bulgaria : proceedings. Vol. 1/5 2019 / p. 52-53 ; ill <https://industry-4.eu/winter/sbornik/1-2019.pdf>

### **Industry 4.0 technologies as enablers of Lean and Agile Supply Chain Strategies : an exploratory investigation**

Raji, Ibraihim; Ševtšenko, Eduard; Rossi, Tommaso; Strozzi, Fernanda The international journal of logistics management 2021 / p. 1150-1189 : ill <https://doi.org/10.1108/IJLM-04-2020-0157> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Influence of acute mental stress on the forehead photoplethysmographic signal waveform**

Pilt, Kristjan; Karai, Deniss; Bachmann, Maie; Gavriljuk, Marietta; Fridolin, Ivo 19th Nordic-Baltic conference on biomedical engineering and medical physics : proceedings of NBC 2023, June 12-14, 2023, Liepaja, Latvia 2023 / p. 181 - 188  
[https://doi.org/10.1007/978-3-031-37132-5\\_23](https://doi.org/10.1007/978-3-031-37132-5_23) Conference Proceedings at Scopus Article at Scopus

### **Influence of birch false heartwood on the physical and mechanical properties of wood-plastic composites**

Kallakas, Heikko; Ayansola, Gbenga; Tumanov, Tanel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Bioresources 2019 / p. 3554-3566 : ill <https://doi.org/10.15376/biores.14.2.3554-3566> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of high-energy ball milling and nanoadditives on the kinetics of heterogeneous reaction in Ni-Al system**  
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Zakaryan, Marieta; Abovyan, L. S.; Kulak, M.; Khina, B. IOP conference series : materials science and engineering 2021 / art. 012052 <https://doi.org/10.1088/1757-899X/1140/1/012052>

**Influence of nozzle geometry on fluid flow parameters**

**Penkov, Igor; Aleksandrov, Dmitri** International journal of applied mechanics and engineering 2020 / p. 215-222 : ill <https://doi.org/10.2478/ijame-2020-0060> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Influence of powder characteristics on processability of AlSi12 alloy fabricated by selective laser melting**

Baitimerov, Rustam; Lykov, Pavel; Zherebtsov, Dmitri; Radionova, Ludmila; Shultc, Alexey; **Prashanth, Konda Gokuldoss** Materials 2018 / art. 742, 14 p. : ill <https://doi.org/10.3390/ma11050742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The influence of process parameters on the microstructure and properties of the TiC/Ti-alloy composites fabricated by the directed energy deposition process**

Wang, Yongxia; Fan, Wei; Zhou, Fan; **Prashanth, Konda Gokuldoss**; Feng, Zhe; Zhang, Siyu; Tan, Hua; Lin, Xin Journal of materials research and technology 2025 / p. 164-174 <https://doi.org/10.1016/j.jmrt.2024.12.043>

**Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics**

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balci, Özge International journal of plasticity 2018 / p. 121-136 : ill <https://doi.org/10.1016/j.ijplas.2018.05.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of strong carbide-forming elements (Nb and Ta) on the development of the green (Ti, Me)(C,N)-high chromium Fe-based cermets**

**Maurya, Himanshu Singh; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Kumar, Rahul, 1993-; Hussain, Abrar; Sergejev, Fjodor; Kübarsepp, Jakob** Vacuum 2024 / art. 113723, 12 p <https://doi.org/10.1016/j.vacuum.2024.113723>

**Influence of substrate plate heating on the fabrication of Al-12Si produced by selective laser melting**

Xi, L. X.; Ma, Pan; Jia, Yandong; Chaubey, A. K.; Wang, Z.; **Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2021 / p. 1027-1036 <https://doi.org/10.1007/s41403-021-00240-z>

**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](#)

**Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi structures**

Singh, Shalini; Palani, Iyemperumal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447 <https://doi.org/10.1016/j.jallcom.2023.171447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites**

**Aydinyan, Sofiya**; Kharatyan, Suren; **Hussainova, Irina** Crystals 2022 / art. 59 <https://doi.org/10.3390/cryst12010059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of unpacking temperature on tensile strength of PA12 parts manufactured by SLS**

**Sepp, Geithy** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 58 [https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

**Influencing factors of moisture measurement when using microwave reflection method**

**Kurik, Lembit; Kalamees, Targo; Kallavus, Urve; Sinivee, Veljo** Energy procedia 2017 / p. 159-164 : ill <https://doi.org/10.1016/j.egypro.2017.09.675> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Inimene Marsil või termotuumareaktsioon energeetikas : kumb tuleb enne?**

**Kübarsepp, Jakob** Mente et Manu 2018 / lk. 35 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)  
<http://dea.digar.ee/publication/AKmenteetmanu> [https://artiklid.elnet.ee/record=b2865227\\*est](https://artiklid.elnet.ee/record=b2865227*est)

**Inimese roll logistikas kasvab kriisi ajal jõudsalt : intervjuu**

**Janno, Jelizaveta** Äripäev 2020 / lk. 26-27 : portr [https://www.ester.ee/record=b2122331\\*est](https://www.ester.ee/record=b2122331*est)

**Innovative common study block framework for joined collaborative curriculums development**

**Ševtšenko, Eduard**; Nõuakas, Kati; Murumaa, Lea; Kallas, Oliver; **Karaulova, Tatjana** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 30-41 [https://doi.org/10.1007/978-3-030-68198-2\\_3](https://doi.org/10.1007/978-3-030-68198-2_3) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Innovative fibreless HVAC duct silencer based on microperforated elements**

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri Materials today: proceedings 2021 / 7 p. : ill

<https://doi.org/10.1016/j.matpr.2021.06.201> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Innovative management and implementation of applied research project "Green Cost-Efficient Package Selection"**

Ševtšenko, Eduard; Karaulova, Tatjana; Pohlak, Meelis; Mahmood, Kashif; Tamm, Martin; Leht, Kaupo Case study of

innovative projects : successful real cases 2017 / p. 143-168 : ill <http://dx.doi.org/10.5772/67541>

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

Ševtšenko, Eduard; Karaulova, Tatjana; Igavens, Maris; Strods, Gunars; Mahmood, Kashif Proceedings of the Estonian

Academy of Sciences 2019 / p. 356-363 : ill [http://www.kirj.ee/32591/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32591/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.01> [Journal](#)

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

### **Insener kui loovisik**

Kübarsepp, Jakob; Hamburg, Arvi; Peipman, Tõnu Sirp 2017 / lk. 17-19 <http://www.sirp.ee/s1-artiklid/c21-teadus/insener-kui-loovisik/>

### **Inseneriakadeemia ellukutsumise vajadusest - nutikale Eestile annavad sisu insenerid**

Veinthal, Renno Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 49-52 : ill

### **Insenerid ja pedagoogika. Mis aitaks praegusest rohkem spetsialiste kooli?**

Rüütman, Tiia opleht.ee 2025 <https://opleht.ee/2025/01/insenerid-ja-pedagoogika-mis-aitaks-praegusest-rohkem-spetsialiste-kooli/>

### **Inseneride ja tehnikaerialade spetsialistide puudust saab leevendada pädevate reaallaineõpetajate koolitamisega**

Rüütman, Tiia Elektriala 2023 / lk. 8-9 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Inseneride koolitus Eestis : olukord ja suundumused**

Kübarsepp, Jakob Välis-Eesti : Välis-Eesti Ühingu ajakiri 2022 / lk. 14-17 [https://www.ester.ee/record=b4482089\\*est](https://www.ester.ee/record=b4482089*est)

### **Inseneride vajadus Eestis - müüdid ja tegelikkus**

Põdra, Priit Fraater : korporatsioon Fraternitas Estica ajakiri 2018 / lk. 10-13 : ill [https://www.ester.ee/record=b4640794\\*est](https://www.ester.ee/record=b4640794*est)

<http://fliphtml5.com/qxzls/jws/basic>

### **Inseneriharidus ja -teadused kõrgharidus- ja teadusmaastikul**

Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2016 2017 / lk. 84-89

[http://www.ester.ee/record=b1218094\\*est](http://www.ester.ee/record=b1218094*est)

### **Insenerihariduse suundumusi ja inseneripedagoogika olulisus**

Rüütman, Tiia; Kivestu-Rotella, Tuulike Õpetajate Leht 2023 / Lk. 1 <https://dea.digar.ee/article/opetajateleht/2023/03/31/2>

[Insenerihariduse suundumusi ja inseneripedagoogika olulisus](#)

### **Inseneriks õppivad tudengid võiksid üldhariduskoolis reaallaineid õpetada [Võrguväljaanne]**

Oll, Sulev Õpetajate Leht 2022 / lk. 10 [Inseneriks õppivad tudengid võiksid üldhariduskoolis reaallaineid õpetada](#)

### **Inseneripedagoogika : STEM valdkonna õppeainete mõjus õpetamine ja õppimine. 1**

Rüütman, Tiia 2019 [https://www.ester.ee/record=b5179475\\*est](https://www.ester.ee/record=b5179475*est) <https://digikogu.taltech.ee/et/Item/17660354-9270-4ab5-b06a-4a04cbd33351>

### **Inseneripedagoogika : STEM valdkonna õppeainete mõjus õpetamine ja õppimine. 2**

Rüütman, Tiia 2019 [https://www.ester.ee/record=b5179473\\*est](https://www.ester.ee/record=b5179473*est) <https://digikogu.taltech.ee/et/Item/17660354-9270-4ab5-b06a-4a04cbd33351>

### **Inseneripedagoogika aitab leevendada olukorda Eesti põuasel õpetajaturul [Võrguväljaanne]**

Rüütman, Tiia postimees.ee 2021 ["Inseneripedagoogika aitab leevendada olukorda Eesti põuasel õpetajaturul"](#)

### **Inseneripedagoogika aitab leevendada õpetajate põuda**

Rüütman, Tiia Õpetajate Leht 2021 / Lk. 4 ["Inseneripedagoogika aitab leevendada õpetajate põuda"](#)

### **Inseneriteaduskonna dekaan: noori insenere ei tasu liiga vara koolipingist tööle meelitada, Leedu ajab õiget asja**

Puusild, Harro toostusuudised.ee 2023 [Inseneriteaduskonna dekaan: noori insenere ei tasu liiga vara koolipingist tööle meelitada, Leedu ajab õiget asja](#)

[õiget asja](#)

### **In-situ alloying of TiC-FeCr cermets in manganese vapour**

Kolnes, Märt; Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Viljus, Mart Proceedings of the Estonian Academy of

Sciences 2021 / p. 533-539 : ill <https://doi.org/10.3176/proc.2021.4.22> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at](#)

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

### **Integration of autonomous vehicles and Industry 4.0**

**Sell, Raivo; Rassõlkin, Anton; Wang, Ruxin; Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2019 / p. 389–394 : ill <https://doi.org/10.3176/proc.2019.4.07> [http://www.kirj.ee/32705/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32705/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Integration of digital twins into virtual commissioning practices**

Guerra Zubiaga, David; Richards, Gersom; Forsberg, Paul; Nwachukwu, Kingsley; Burroughs, Andrew; Sabula, Eric; **Kuts, Vladimir** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / art. IMECE2024-145598, V002T03A076 ; 9 p <https://doi.org/10.1115/IMECE2024-145598>

#### **Intelligent decision making approach for performance evaluation of a robot-based manufacturing cell**

**Kangru, Tavo; Riives, Jüri; Otto, Tauno; Pohlak, Meelis; Mahmood, Kashif** ASME 2018 International Mechanical Engineering Congress and Exposition : Pittsburgh, Pennsylvania, USA, November 9–15, 2018 2018 / Paper No. IMECE2018-86666, pp. V002T02A092; 10 p. : ill <http://doi.org/10.1115/IMECE2018-86666>

#### **Intelligent functions development on autonomous electric vehicle platform**

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

#### **Intelligent system and equipment for greenhouses monitoring**

**Penkov, Igor** Journal of hygienic engineering and design 2018 / p. 41-46 : ill <http://www.jhed.mk/filemanager/JHED%20Vol.%2022/03.%20FPP/01.%20Full%20paper%20-%20Igor%20Penkov.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **The interaction pathway in the mechano-ultrasonically assisted and carbon-nanotubes augmented nickel-aluminum system**

Nazaretyan, Khachik; Kirakosyan, Hasmik; **Volobujeva, Olga; Aydinyan, Sofiya** Metals 2022 / art. 436 <https://doi.org/10.3390/met12030436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Interactive teaching methods as human factors management tool in dangerous goods transport on roads**

**Janno, Jelizaveta; Koppel, Ott** Teaching and Learning in a Digital World : proceedings of the 20th International Conference on Interactive Collaborative Learning. Volume 1 2018 / p. 619-628 [https://link.springer.com/chapter/10.1007/978-3-319-73210-7\\_72](https://link.springer.com/chapter/10.1007/978-3-319-73210-7_72) [https://doi.org/10.1007/978-3-319-73210-7\\_72](https://doi.org/10.1007/978-3-319-73210-7_72) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements**

Xi, Lixia; Ding, Kai; Gu, Dongdong; Guo, Shuang; Cao, Mengzhen; Zhuang, Jie; Lin, Kaijie; Okulov, Ilya; Sarac, Baran; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2021 / art. 159436, 9 p.: ill <https://doi.org/10.1016/j.jallcom.2021.159436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Internet of Things network infrastructure for the educational purpose**

Tokarz, Krzysztof; Czekalski, Piotr; Drabik, Gabriel; Paduch, Jaroslaw; Distefano, Salvatore; Di Pietro, Riccardo; Merlino, Giovanni; Scaffidi, Carlo; **Sell, Raivo** 2020 IEEE Frontiers in Education Conference (FIE) 2020 <https://doi.org/10.1109/FIE44824.2020.9274040> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Introduction to the IoT : Practical project [Electronic resource]**

**Sell, Raivo;** Puks, Rim; Kingsepp, Mallor 2019 <http://iot-open.eu/download/iot-open-eu-introduction-to-the-iot-practical-projects-in-english/>

#### **Introduction to the IOT [Electronic resource]**

**Sell, Raivo;** Puks, Rim; Kingsepp, Mallor 2019

#### **Inverse methods and integral-differential model demonstration for optimal mechanical operation of power plants - numerical graphical optimization for second generation of tribology models**

**Casesnoves, Francisco** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 39-50 : ill <https://doi.org/10.2478/ecce-2018-0005>

#### **Inverse methods for computational simulations and optimization of erosion models in power plants : a numerical-sufactal nonlinear optimization of modelling**

**Casesnoves, Francisco; Surženkov, Andrei** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [8] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8125630>

#### **Investigating the structure, microstructure, and texture in selective laser melted sterling silver 925**

Vikram, R. J.; **Kollo, Lauri; Prashanth, Konda Gokuldoss;** Suwas, Satyam Metallurgical and Materials Transactions A 2021 / p. 5329–5341 : ill <https://doi.org/10.1007/s11661-021-06471-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigation of deep UV emission of rare-earth-free Zn<sub>2</sub>SiO<sub>4</sub> micropowders : The correlation of structural and luminescence properties**

**Necib, Jallouli**; Feldbach, Eduard; Romet, Ivo; Nagirnyi, Vitali; **Hussainova, Irina**; **Rojas Hernandez, Rocio Estefania** Journal of luminescence 2025 / art. 121070 <https://doi.org/10.1016/j.jlumin.2025.121070>

### **Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System**

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216–220 <https://doi.org/10.4028/www.scientific.net/KEM.800.216> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites [Online resource]**

**Kallip, Kaspar**; Leparoux, Marc; AIOgab, Khaled A. Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

### **Investigation of nonlinear targeted energy transfer (TET) phenomena in the presence of elastic membrane in duct acoustics with different BCs**

**Moezzi, Reza** International journal of scientific & engineering research 2018 / p. 476-483 : ill <https://www.ijser.org/onlineResearchPaperViewer.aspx?Investigation-of-Nonlinear-Targeted-Energy-Transfer-TET-phenomena-in-the-Presence-of-Elastic-Membrane-in-Duct-Acoustics-with-Different-BCs.pdf>

### **Investigation of oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier**

Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomberg, Thomas; Aruväli, Jaan; Valk, Peeter; Teppor, Patrick; Koppel, Mirjam; **Mikli, Valdek**; **Volobujeva, Olga**; **Lust, Enn** ECS Meeting Abstracts 2022 / p. 49-58 : ill <https://doi.org/10.1149/10807.0049ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Investigation of steam turbine blades damage and reliability in a power plant**

**Molodtsov, Artjom**; **Dedov, Andrei**; **Klevtsov, Ivan**; **Kommel, Lembit**; **Lausmaa, Toomas**; **Mikli, Valdek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 89-94 : ill <https://www.scientific.net/KEM.799.89> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.89> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Investigation of the corrosion and tribological properties of WC-Co tools hardened with PVD coatings in solid oak wood processing**

Kazlauskas, Deividas; Jankauskas, Vytenis; **Antonov, Maksim** Coatings 2024 / art. 569 <https://doi.org/10.3390/coatings14050569>

### **Investigation of the high temperature dry sliding wear behavior of graphene nanoplatelets reinforced aluminum matrix composites**

Seçkin, Martin; Kandemir, Sinan; **Antonov, Maksim** Journal of composite materials 2021 / 13 p. : ill <https://doi.org/10.1177/0021998320979037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Investigation of the tribological behavior of the additively manufactured TiC-based cermets by scratch testing**

**Maurya, Himanshu Singh**; Jayaraj, Jayamani; Wang, Z.; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170496, 9 p. : ill <https://doi.org/10.1016/j.jallcom.2023.170496> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ionic substituted hydroxyapatite for bone regeneration applications : a review**

Ressler, Antonia; Žužic, Andreja; Ivanišević, Irena; **Kamboj, Nikhil Kumar**; Ivankovic, Hrvoje Open Ceramics 2021 / art. 100122 <https://doi.org/10.1016/j.oceram.2021.100122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **IoT-based senses for virtual enterprises**

Mahmoodpour, Mehdi; **Mahmood, Kashif**; Lobov, Andrei IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 4181-4186 : ill <http://doi.org/10.1109/IECON.2018.8592796>

### **Is Estonian transit sector in trouble after the EU accession and sanctions against Russia? A qualitative study of transit flows**

**Markus, Raul**; Veebel, Viljar Journal of International Studies 2020 / p. 224 - 241 <https://doi.org/10.14254/2071-8330.2020/13-2/16> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Iseauto ja tehisintellekt köidavad Euroopas tähelepanu**

**Sell, Raivo** Mente et Manu 2019 / lk. 38-40 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est) <https://taltech.ee/avalehekulg/?category=128006#newsTabsMenu> [https://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2019/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html)

### **Iseauto uusversioon on värske teo ja näoga**

Imeline Teadus 2021 / lk. 20 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

### **Iseautost targa linnakuni : TalTechi tee**

**Sarv, Mari Öö; Sell, Raivo** Mente et Manu 2020 / lk. 52-55 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_02\\_2020/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_02_2020/mobile/index.html)  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Isejuhtivad autod - kas kauge unistus või homme reaalsus?**

**Sell, Raivo** Digi 2017 / lk. 26-27 : portr [http://www.ester.ee/record=b2040633\\*est](http://www.ester.ee/record=b2040633*est) [https://artiklid.elnet.ee/record=b2817119\\*est](https://artiklid.elnet.ee/record=b2817119*est)

### **Isejuhtivad autod tulevad, ent dilemmad tahavad lahendamist**

Vask, Pille; **Sell, Raivo** Äripäev 2019 / lk. 10

### **Isejuhtivad autod võivad muuta meie liikluskorraldust, eetilisi tõekspidamisi ja arusaamu küberturvalisusest**

**Sell, Raivo** arileht.delfi.ee 2024 [Isejuhtivad autod võivad muuta meie liikluskorraldust, eetilisi tõekspidamisi ja arusaamu küberturvalisusest](#)

### **Isejuhtivad sõidukid tulevad. Kas oleme selleks valmis?**

**Sell, Raivo** Sirp 2019 / lk. 34-36 : fot [https://www.ester.ee/record=b1072938\\*est](https://www.ester.ee/record=b1072938*est) <https://sirp.ee/s1-artiklid/c21-teadus/isejuhtivad-soidukid-tulevad-kas-oleme-selleks-valmis/>

### **Isejuhtivat autot saab 5G abil juhtida kas või välismaalt**

Imeline Teadus 2020 / lk. 21 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

### **Isothermal oxidation of SLM fabricated Mo(Si1-xAlx)2-based composite**

**Minasyan, Tatevik; Liu, Le;** Toyserkani, Ehsan; **Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012003, 8 p.: ill <https://doi.org/10.1088/1757-899X/1140/1/012003>

### **ITS safety ensuring through situational management methods**

Makarova, Irina; Shubenkova, Ksenia; Mukhametdinov, Eduard; Mavrin, Vadim; **Antov, Dago; Pashkevich, Anton** Intelligent Transport Systems – From Research and Development to the Market Uptake : First International Conference, INTSYS 2017, Hyvinkää, Finland, November 29-30, 2017, Proceedings 2018 / p. 133 - 143 [https://doi.org/10.1007/978-3-319-93710-6\\_15](https://doi.org/10.1007/978-3-319-93710-6_15) [Conference Proceedings at Scopus Article at Scopus Article at WOS](#)

### **Jakob Kübarsepp : arendusgrant suurendab teaduse ühiskondlikku mõju**

**Kübarsepp, Jakob** Mente et Manu 2019 / lk. 33 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est) [https://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2019/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html)

### **Jan Amos Komenský (Comenius) – rahvaste õpetaja**

Läänemets, Urve; **Rüütman, Tiia** Õpetajate Leht 2022 <https://opleht.ee/2022/04/jan-amos-komensky-comenius-rahvaste-opetaja/>

### **Joint reduction of NiO + WO3 oxides by combined Mg/C reducer. Synergetic effect**

Zakaryan, Marieta; Nazaretyan, K.; **Aydinyan, Sofiya;** Kharatyan, Suren XV International Symposium on Self-Propagating High Temperature Synthesis, September 16-20, 2019 / p. 546-548 : ill [http://www.ism.ac.ru/events/SHS2019/doc/abstract\\_shs2019.pdf](http://www.ism.ac.ru/events/SHS2019/doc/abstract_shs2019.pdf)

### **Joint reduction of NiO/WO3 pair and NiWO4 by Mg + C combined reducer at high heating rates**

Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya;** Kharatyan, Suren Metals 2021 / art. 1351, 13 p. : ill <https://doi.org/10.3390/met11091351> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

### **Juri Ess. Liikluskorraldus ja liiklusõnnetuste ennetamine. Intervjuu : Juri Ess**

**Ess, Juri** Teadus kolme minutiga : 2015-2016 2017 / lk. [50]-59 : portr., ill [http://www.ester.ee/record=b4654069\\*est](http://www.ester.ee/record=b4654069*est)

### **Jätuv autostumine muudab linnatänavad liiklusterudeks [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2020 / fot [Jätuv autostumine muudab linnatänavad liiklusterudeks](#)

### **Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele [Võrguväljaanne]**

**Lavrentjev, Jüri** online.le.ee 2021 ["Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele"](#)

### **Kaasava disaini areng ja taandareng**

**Melioranski, Ruth-Helene** Sirp 2016 / lk. 18-19 : fot <http://www.sirp.ee/s1-artiklid/arhitektuur/kaasava-disaini-areng-ja-taandareng/>

### **Kaasava disaini areng ja taandareng**

**Melioranski, Ruth-Helene** Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 287-290 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

### **85 aastat Eesti Masinatööstuse Liitu**

**Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 33-36

### **Kaidi Nõmmela doktoritöö ulatab Eesti merenduspoliitika kujundajatele abikäe**



logistikauudised.ee 2023 [TalTechi doktoritöö pakub suuniseid Eesti merendussektori arenguks](#) [Kaidi Nõmmela doktoritöö ulatab Eesti merenduspoliitika kujundajatele abikäe](#) [https://www.ester.ee/record=b5552865\\*est](https://www.ester.ee/record=b5552865*est) <https://digikogu.taltech.ee/et/Item/4f531464-c595-4b68-88e7-bf6419442940>

### **Kas parkimiskoha laius on Eesti liiklusohutuse põhiprobleem?**

**Antov, Dago** Postimees 2018 / lk. 15 [Dago Antov: kas parkimiskoha laius on Eesti liiklusohutuse põhiprobleem?](#)

### **Kas saaste vähendamiseks peaks sõidukite kiirust piirama rohkem?**

Soopan, Ivar Autoleht 2023 [https://www.ester.ee/record=b1240587\\*est](https://www.ester.ee/record=b1240587*est)

### **Kas Tesla fenomenist on Eestil midagi õppida?**

**Sell, Raivo** Postimees 2018 / AK, lk. 6-7 <https://arvamus.postimees.ee/6437758/raivo-sell-kas-tesla-fenomenist-on-eestil-midagi-oppida>

### **Kassari lahe punavetika (Furcellaria lumbricalis) biomassi töötlusjäädade uued rakendused : Keskkonnainvesteeringute Keskuse projekt nr. 11247 [Võrguväljaanne]**

**Kallavus, Urve** 2018 [https://www.kik.ee/sites/default/files/uuringud/projekti\\_11247\\_lopparuanne.pdf](https://www.kik.ee/sites/default/files/uuringud/projekti_11247_lopparuanne.pdf)

### **Kasutamata potentsiaal: tööandjad saaksid mõjutada töötajaid kasutama säästvamaid liikumisviise**

digi.geenius.ee 2022 [Kasutamata potentsiaal: tööandjad saaksid mõjutada töötajaid kasutama säästvamaid liikumisviise](#)

### **Kasutatud munakoortest saaks teha tehisiigeseid**

**Shukla, Riddhi Hirenkumar** novaator.err.ee 2024 [Kasutatud munakoortest saaks teha tehisiigeseid](#)

### **Kati Kõrbe ja Jelizaveta Janno : infovoost vaktsiinide tarneahelas [Võrguväljaanne]**

**Kõrbe, Kati; Janno, Jelizaveta** err.ee 2020 / fot [Kati Kõrbe ja Jelizaveta Janno: infovoost vaktsiinide tarneahelas](#)

### **Kati Kõrbe: koroonaristumine Suessi kriisiga: puudu on hantlitest ja punasest sibulast**

**Kõrbe Kaare, Kati** Päevaleht 2021 [Kati Kõrbe: koroonaristumine Suessi kriisiga: puudu on hantlitest ja punasest sibulast](#)

### **Keevisõmbluste mittepurustav katsetamine [Võrguteavik] : ultraheliga katsetamine. Meetodid, katsetasemed ja hindamine = Non-destructive testing of welds : ultrasonic testing. Techniques, testing levels, and assessment (ISO 17640:2018)**

2018 [https://www.ester.ee/record=b5189262\\*est](https://www.ester.ee/record=b5189262*est)

### **Keevitajate kvalifitseerimise katse [Võrguteavik] : sulakeevitus. Osa 1, Terased = Qualification testing of welders : fusion welding. Part 1, Steels (ISO 9606-1:2012 including Cor 1:2012 and Cor 2:2013) / Eesti Standardikeskus**

2017 [http://www.ester.ee/record=b4741221\\*est](http://www.ester.ee/record=b4741221*est)

### **Keevitamine ja külgnevad protsessid [Võrguteavik] : keevitusasendid = Welding and allied processes : welding positions (ISO 6947:2019)**

2019 [https://www.ester.ee/record=b5287657\\*est](https://www.ester.ee/record=b5287657*est)

### **Keevitamine ja seonduvad protsessid [Võrguteavik] : sõnastik. Osa 1, Üldterminid = Welding and allied processes : vocabulary. Part 1, General terms (ISO/TR 25901-1:2016)**

2021 [https://www.ester.ee/record=b5368695\\*est](https://www.ester.ee/record=b5368695*est)

### **Keevitamine [Võrguteavik] : metallmaterjalide tihvtkaarkeevitus = Welding : arc stud welding of metallic materials (ISO 14555:2017)**

2021 [https://www.ester.ee/record=b5455705\\*est](https://www.ester.ee/record=b5455705*est)

### **Keevitamine, kõvajoodisjootmine, pehmejoodisjootmine ja termolõikamine : protsesside nomenklatuur ja viitenumbrid = Welding, brazing, soldering and cutting : nomenclature of processes and reference numbers (ISO 4063:2023)**

2024

### **Keevitus ja külgnevad protsessid [Võrguteavik] : tingmärkidega tähistamine joonistel. Keevisliited = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2019)**

2019 [https://www.ester.ee/record=b5234002\\*est](https://www.ester.ee/record=b5234002*est)

### **Keevitus [Võrguteavik] : juhised eelkuumutustemperatuuri, läbimitevahelise temperatuuri ja eelkuumutuse hoidmistemperatuuri mõõtmiseks = Welding : guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature (ISO 13916:2017)**

2017 [http://www.ester.ee/record=b4768949\\*est](http://www.ester.ee/record=b4768949*est)

### **Keevitustehnoloogia. 2**

**Laansoo, Andres** 2021 [https://www.ester.ee/record=b5461458\\*est](https://www.ester.ee/record=b5461458*est) <https://digikogu.taltech.ee/et/Item/f0d6a441-2451-402f-bade-cebd9a426305>

## Kermiste mikrostruktuur

**Kolnes, Märt; Tarraste, Marek** Horisont 2017 / lk. 20-21 : ill [http://www.ester.ee/record=b1072243\\*est](http://www.ester.ee/record=b1072243*est)  
[https://artiklid.elnet.ee/record=b2819541\\*est](https://artiklid.elnet.ee/record=b2819541*est)

## Kes tulid TTÜsse õppima? Aga kes ei tulnud?

**Veinthal, Renno; Voll, Hendrik** Mente et Manu 2017 / lk. 18-21 : ill [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2017/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html) [https://artiklid.elnet.ee/record=b2827001\\*est](https://artiklid.elnet.ee/record=b2827001*est)

## Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer

Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2022 / art. 1000  
<https://doi.org/10.3390/met12061000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Kiri disainieelsest Eestist

**Pärn, Martin** Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 122-125 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

## Knowledge based decision making in mechanical workshops

**Kruuser, Kaarel; Riives, Jüri; Kiolein, Indrek** Proceedings of the 32nd International DAAAM Virtual Symposium "Intelligent Manufacturing & Automation" 2021 / p. 0514-0521 <https://doi.org/10.2507/32nd.daaam.proceedings.074>

## Knowledge-driven based performance analysis of robotic manufacturing cell for design improvement

**Kangru, Tavo; Mahmood, Kashif; Otto, Tauno**; Moor, Madis; **Riives, Jüri** ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23541, V006T06A032 ; 8 p <https://doi.org/10.1115/IMECE2020-23541>

## Kohalike teede liiklussageduse kaudse hindamise meetod

**Kubjas, Ardo; Antov, Dago** Acta architecturae naturalis = Maastikuarhitektuurseid uurimusi 2019 / lk. 1-14 : ill., kaardid  
[https://www.ester.ee/record=b5183441\\*est](https://www.ester.ee/record=b5183441*est) <https://www.maastikuarhitektuur.ee/acta/article/view/71/62>

## 3D-prinditud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?

aripaev.ee 2023 [3D-prinditud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?](#)

## 3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter

Aunap, S. Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-22 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

## 3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter

Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-23 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

## 30 aastat töö! : skeem = 30 years at work : scheme

**Pärn, Martin** Maja : Eesti arhitektuuri ajakiri = Estonian architectural review 2021 / lk. 66-67 [http://www.ester.ee/record=b1072550\\*est](http://www.ester.ee/record=b1072550*est)

## Koostöö raamistik ühiste õppemoodulite arendamiseks koostöös ettevõtjatega ning väliskõrgkoolidega

### [Võrguväljaanne]

Nõuakas, Kati; **Ševtšenko, Eduard**; Kallas, Oliver; Murumaa, Lea Tallinna Tehnikakõrgkooli Toimetised 2020 / Lk. 22–27  
[https://issuu.com/tktk8/docs/tktkoppejoududetoimetised\\_26\\_2020\\_vol1](https://issuu.com/tktk8/docs/tktkoppejoududetoimetised_26_2020_vol1)

## Kriisi lõppu ei oska keegi ennustada

**Janno, Jelizaveta** Äripäev 2020 / Lk. 27 [https://www.ester.ee/record=b2122331\\*est](https://www.ester.ee/record=b2122331*est)

## Kriisiaja logistikat robotiga ei juhi

Tramm, Tõnu Transport ja Logistika 2020 ["logistikauudised"](#)

## Kriitilised toorained mõjutavad auto arengut

**Kübarsepp, Jakob** Postimees 2023 / Lk. 8 <https://dea.digar.ee/article/postimees/2023/12/02/9.3>

## Kristo Karjust: robot ja inimene töötagu koos!

**Karjust, Kristo** Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 12 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

## Kuhu kadus tasuta buss?

Karnau, Andrus postimees.ee 2024 [Kuhu kadus tasuta buss?](#)

## Kuidas saaks töötajaid suunata auto asemel eelistama kondimootorit?

**Kärner-Rebane, Katrin** teadus.postimees.ee 2023 [Kuidas saaks töötajaid suunata auto asemel eelistama kondimootorit?](#)

## Kuidas selja sirgu saab? Insenerid ja arstid arendasid välja nutikorseti!

Vill, Ants director.ee 2022 <https://director.ee/2022/07/14/kuidas-selja-sirgu-saab-insenerid-ja-arstid-arendasid-valja-nutikorseti/>

### **Kuidas teemaksu haaret laiendada?**

Lill, Inga; **Antov, Dago** Äripäev 2018 / lk. 4-5 <https://dea.digar.ee/article/aripaev/2018/01/10/6.1>

### **Kutsestandard : liikuvusinsener, tase 6 [Võrguväljaanne]**

2018 <https://www.kutseregister.ee/ctrl/et/Standardid/exportPdf/10722384/>

### **Kutsestandard : liikuvusinsener, tase 7 [Võrguväljaanne]**

2018 <https://www.kutseregister.ee/ctrl/et/Standardid/exportPdf/10722406/>

### **Kutsestandard : logistik, tase 5 [Võrguväljaanne]**

2017 <https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10632293/pdf/logistik-tase-5.4.et.pdf>

### **Kutsestandard : logistikajuht, tase 6 [Võrguväljaanne]**

2017 <https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10670209/pdf/logistikajuht-tase-6.6.et.pdf>

### **Kutsestandard : logistiku abi, tase 4 [Võrguväljaanne]**

2016 <http://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10626652/pdf/logistiku-abi-tase-4.3.et.pdf>

### **Kutsestandard : veokorraldaja-logistik, tase 4 [Võrguväljaanne]**

2017 <https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10632262/pdf/veokorraldajalogistik-tase-4.7.et.pdf>

### **Kõige kõrgema palgaga insenerialadel on ka suurim töökäte puudus**

**Annus, Ivar; Sergejev, Fjodor; Voll, Hendrik** postimees.ee 2024 [Kõige kõrgema palgaga insenerialadel on ka suurim töökäte puudus](#)

### **Kõigel on hind ehk kui palju kiiruseületamine tegelikult maksma läheb?**

postimees.ee 2023 [Kõigel on hind ehk kui palju kiiruseületamine tegelikult maksma läheb?](#)

### **Kõrgharidus Eestis - visioon ja võimalused**

**Kübarsepp, Jakob** Postimees 2021 / Lk. 8 [https://dea.digar.ee/publication/postimees "Kõrgharidus Eestis - visioon ja võimalused"](https://dea.digar.ee/publication/postimees/Kõrgharidus_Eestis_-_visioon_ja_võimalused)

### **Lahkus masinatööstuse grand old man Aleksei Hõbemägi**

**Kulu, Priit** toostusuudised.ee 2021 ["Lahkus masinatööstuse grand old man Aleksei Hõbemägi"](#)

### **Language of driving for autonomous vehicles**

**Kalda, Krister; Pizzagalli, Simone Luca; Soe, Ralf-Martin; Sell, Raivo; Bellone, Mauro** Applied sciences 2022 / art. 5406 <https://doi.org/10.3390/app12115406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility**

Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss**; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512 <https://doi.org/10.1016/j.msea.2021.142512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser hybrid wire arc additive manufacturing for fabricating thin sections**

Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Shukla, Ashish; Palani, Iyamperumal Anand; Resnina, Natalia; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2022 / p. 175–183 : ill <https://doi.org/10.1007/s41403-021-00258-3>

### **Laser powder-bed fusion of ceramic particulate reinforced aluminum alloys: a review**

**Minasyan, Tatevik; Hussainova, Irina** Materials 2022 / art. 2467 <https://doi.org/10.3390/ma15072467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laser powder-bed fusion of Mo(Si,Al)<sub>2</sub> – based composite for elevated temperature applications**

**Minasyan, Tatevik; Ivanov, Roman**; Toyserkani, Ehsan; **Hussainova, Irina** Journal of alloys and compounds 2021 / art. 161034 <https://doi.org/10.1016/j.jallcom.2021.161034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Laskemoonalao riskianalüüsi meetodika väljatöötamine fiktiivse lao näitel**

**Tomberg, Tõnu**; Järviste, Raul; **Kirs, Maarjus; Strazdin, Aleks; Eensoo, Siim** Sõjateadlane = Estonian journal of military studies 2019 / lk. 58-80 : ill [https://artiklid.elnet.ee/record=b2876205\\*est](https://artiklid.elnet.ee/record=b2876205*est)

### **Lattice of MoSi<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> by selective laser melting**

**Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya; Kollo, Lauri; Aghayan, Marina; Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / art. 3993050 [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

#### **Layered functionally graded alumina ceramic composites**

**Drozdova, Maria; Ivanov, Roman;** Rodriguez, Miguel Angel; **Hussainova, Irina** ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : Book of abstracts 2017 / p. 227  
<https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf>

#### **Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity**

**Saffarshamshirgar, Ali; Rojas Hernandez, Rocio Estefania; Mikli, Valdek; Karppinen, Maarit; Hussainova, Irina** Carbon 2020 / p. 634-645 <https://doi.org/10.1016/j.carbon.2020.06.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

#### **Lean automation for low-volume manufacturing environment**

**Karaulova, Tatjana;** Andronnikov, Konstantin; **Mahmood, Kashif; Ševtšenko, Eduard** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0059-0068 : ill <https://doi.org/10.2507/30th.daaam.proceedings.008>

#### **Learning content revisited : basis for creating a system of educational (pedagogical) activities**

**Rüütman, Tiia;** Läänemets, Urve; Kaja, Kadi Towards a hybrid, flexible and socially engaged higher education : proceedings of the 26th international conference on interactive collaborative learning (icl2023), volume 4 2024 / p. 342-352

#### **Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1**

2023 <https://doi.org/10.1007/978-3-031-26876-2>

#### **Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 2**

2023 <https://doi.org/10.1007/978-3-031-26190-9>

#### **Lessons from the EU-Russia sanctions 2014-2015**

**Veebel, Viljar; Markus, Raul** Baltic journal of law & politics 2015 / p. 165-194 : ill <http://dx.doi.org/10.1515/bjlp-2015-0015>

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

**Pikner, Heiko; Sell, Raivo; Malayjerd, Ehsan** Proceedings of the Estonian Academy of Sciences 2024 / p. 124-133  
<https://doi.org/10.3176/proc.2024.2.05>

#### **LiDAR-camera fusion based object segmentation in adverse weather conditions for autonomous driving**

**Gu, Junyi;** Lind, Artjom; **Bellone, Mauro** AIP Conference Proceedings 2023

#### **Lidar-camera semi-supervised learning for semantic segmentation**

Caltagirone, Luka; **Bellone, Mauro;** Svensson, Lennart; Wahde, Mattias; **Sell, Raivo** Sensors 2021 / art. 4813  
<https://doi.org/10.3390/s21144813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uibo**

news.err.ee 2024 [Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uibo](#)

#### **Light-induced strain and its correlation with the optical absorption at charged domain walls in polycrystalline ferroelectrics**

Rubio-Marcos, Fernando; Pamies, Paula; Del Campo, Adolfo; Tiana, Jordi; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania;** Ochoa, Diego A.; Fernandez, Jose F.; Garcia, Jose E. Applied materials today 2023 / art. 101838  
<https://doi.org/10.1016/j.apmt.2023.101838> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Lightweight 3D printed Ti6Al4V-AISI10Mg hybrid composite for impact resistance and armor piercing shielding**

**Rahmani Ahranjani, Ramin; Antonov, Maksim;** Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill <https://doi.org/10.1016/j.jmrt.2020.09.108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Ligipäasetavuse muutused autostunud Eestis**

Tuvikene, Tauri; Rehema, Merlin; **Antov, Dago** Linnastunud ühiskonna ruumilised valikud 2020 / lk. 84-95 : ill [https://www.ester.ee/record=b5362642\\*est](https://www.ester.ee/record=b5362642*est)

#### **Liiklejate ummikutest välja toomiseks ei piisa ühest võluvitsast**

Liiva, Siiri Logistika : [ajalehe Eesti Päevaleht lisa] 2019 / Lk. 12-18 [https://www.ester.ee/record=b2446309\\*est](https://www.ester.ee/record=b2446309*est)

#### **Liiklusekspert: eakad autojuhid pole noortest ohtlikumad**

**Antov, Dago** novaator.err.ee 2024

### **Liiklusrikkujate veapunktsüsteem on jäänud kalevi alla**

Voltri, Johannes err.ee 2023 [Liiklusrikkujate veapunktsüsteem on jäänud kalevi alla](#)

### **Liiklusuuring : 20 aasta pärast tuleb istuda Piritas teel ummikus kaks korda kauem [Võrguväljaanne]**

Ojamets, Indrek novaator.err.ee 2020 / fot [Liiklusuuring: 20 aasta pärast tuleb istuda Piritas teel ummikus kaks korda kauem](#)

### **Liikumiskeskonna areng Tallinnas : väljakutse ühistranspordile = Development of mobility environment in Tallinn : a challenge for public transport**

Noorkõiv, Rivo; **Antov, Dago** Eesti statistika kvartalikirj = Quarterly bulletin of statistics Estonia 2016 / lk. 116-141 : ill [http://www.ester.ee/record=b2479604\\*est](http://www.ester.ee/record=b2479604*est) [http://www.stat.ee/valjaanne-2016\\_eesti-statistika-kvartalikirj-3-16](http://www.stat.ee/valjaanne-2016_eesti-statistika-kvartalikirj-3-16)

### **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](#)

### **Linnamööblid**

**Pärn, Martin** Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 313-314 : ill [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

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

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

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

### **Logistics systems engineer - interdisciplinary competence model for modern education**

**Niine, Tarvo; Koppel, Ott** International journal of engineering pedagogy 2015 / p. 54-63 <http://dx.doi.org/10.3991/ijep.v5i2.4578>

### **Logistika kui süsteem**

**Janno, Jelizaveta** Ekspedeerija käsiraamat [Võrguteavik] 2016 / lk. 119-133 : joon

[http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat\\_2016%20%2815.11%29.pdf](http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20%2815.11%29.pdf)

### **Logistika on vaksineerimise pudelikael**

**Körbe, Kati** Postimees 2020 / Lk. 15 : portr <https://dea.digar.ee/article/postimees/2020/12/07/13.6> **Kati Körbe: logistika on väljakutseks vaksineerimise korraldamisel**

### **Logistikasektorit ootavad ees suured muutused**

**Janno, Jelizaveta** Transport ja Logistika 2020 "[logistikauudised](#)"

### **Longitudinal wave propagation in axially graded Rayleigh–Bishop nanorods**

**Arda, Mustafa; Majak, Jüri; Mehrparvar, Marmar** Mechanics of composite materials 2024 / p. 1109-1128

<https://doi.org/10.1007/s11029-023-10160-4>

### **Loodusest inspireeritud uued komposiitmaterjalid**

**Antonov, Maksim** Horisont 2019 / lk. 16-17 : fot [http://www.ester.ee/record=b1072243\\*est](http://www.ester.ee/record=b1072243*est)

### **Loodusseadused kehtivad ka vee all : [TTÜ autotehnika professori Jüri Lavrentjevi sukeldumishuvist]**

**Lavrentjev, Jüri** Mente et Manu 2016 / lk. 16-17 : fot [https://artiklid.elnet.ee/record=b2758763\\*est](https://artiklid.elnet.ee/record=b2758763*est)

### **Low frequency acoustic method to measure the complex bulk modulus of porous materials**

Napolitano, Marialuisa; Di Giulio, Elio; **Auriemma, Fabio** The Journal of the Acoustical Society of America 2022 / art. 1545

<https://doi.org/10.1121/10.0009767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Low-frequency non-reciprocal sound propagation features in thermoacoustic waveguide**

**Auriemma, Fabio** The Journal of the Acoustical Society of America 2024 / p. 314-325 <https://doi.org/10.1121/10.0026453>

### **Lugeja küsib : kas pikem pikivahe päästab Tallinna ummikutes? : [Võrguväljaanne]**

**Ess, Juri** novaator.err.ee 2019 [Lugeja küsib: kas pikem pikivahe päästab Tallinna ummikutes?](#)

### **Machine learning assisted design of high-entropy alloys with ultra-high microhardness and unexpected low density**

Zhao, Shunli; Jiang, Bin; Song, Kaikai; Liu, Xiaoming; Wang, Wenyu; Si, Dekun; Zhang, Jilei; Chen, Xiangyan; Zhou, Changshan; Liu, Pingping; Chen, Dong; Zhang, Zequn; Ramasamy, Parthiban; Tang, Junlei; Lv, Wenquan; **Prashanth, Konda Gokuldoss**; Sopa, Daniel; Eckert, Jurgen Materials & design 2024 / art. 112634 <https://doi.org/10.1016/j.matdes.2024.112634>

### **Machine learning-based prediction of specific energy consumption for cut-off grinding**

Awan, Muhammad Rizwan; Rojas, Hernan A. Gonzalez; **Hameed, Saqib**; Riaz, Fahid; Hamid, Shahzaib; **Hussain, Abrar** Sensors

**Machinery risk assessment integration with design and development methods for risk and potential failure reduction considering safety and efficiency**

**Sivitski, Alina; Põdra, Priit** AIP conference proceedings 2024 / art. 030013 <https://doi.org/10.1063/5.0189257> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel**

Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ledinski, Maja; Rogina, Anamarija; Urlic, Inga; **Hussainova, Irina**; Ivankovic, Hrvoje; Ivankovic, Marica Open Ceramics 2022 / art. 100306 <https://doi.org/10.1016/j.oceram.2022.100306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Madalam sõidukiirus julgustab siia kolima väikeste lastega peresid**

Väli, Linda-Mari; Lepassalu, Virkko pealinn.ee 2023 [Madalam sõidukiirus julgustab siia kolima väikeste lastega peresid](#)

**Magnesium-carbothermal reduction of CuW<sub>4</sub>/MeO nanostructured precursors & synthesis of W/Cu composite materials**

Zakaryan, Marieta; Kirakosyan, Hasmik; Abovyan, L.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2017 / p. 450-461 <http://chemistry.asj-oa.am/id/eprint/7826>

**Maksusüsteem vajab muutmist, mitte peenhäälestamist : [vestlusing maksude teemal]**

Vare, Tõnis; Meybaum, Hallar; **Ploompuu, Triin** TööstusEST 2016 / lk. 18-22 : fot [https://artiklid.elnet.ee/record=b2768508\\*est](https://artiklid.elnet.ee/record=b2768508*est)

**Managing human factors related risks. The advanced training model in dangerous goods transport on roads**

**Janno, Jelizaveta; Koppel, Ott** International journal of engineering pedagogy 2018 / p. 70–88 : ill <http://dx.doi.org/10.3991/ijep.v8i4.8150>

**Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting**

Baskaran, Jagadeesh; Muthukannan, Duraiselvam; **Shukla, Riddhi Hirenkumar**; Prashanth, Konda Gokuldoss Vacuum 2024 / art. 113065 <https://doi.org/10.1016/j.vacuum.2024.113065>

**Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering**

Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mari Jüssi: Punased rattarajad on kasvatanud ratturite arvu kahekordseks**

Pealinn 2023 / Lk. 16 <https://dea.digar.ee/article/pealinn/2023/02/13/13.2>

**Maritime policy design framework with ESG Performance Approach : case of Estonia**

**Nõmmela, Kaidi; Kõrbe Kaare, Kati** Economies 2022 / art. 88, 15 p. : ill <https://doi.org/10.3390/economies10040088> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mart Viljus : [CV ja fotod]**

**Viljus, Mart**; Linnap, Peeter Eesti foto antoloogia. II köide, 1940 kuni 2010 = Anthology of Estonian photography. Volume II, from 1940 to 2010 2021 / lk. 1006-1013 : portr., fot [https://www.ester.ee/record=b5386803\\*est](https://www.ester.ee/record=b5386803*est)

**Marti Arak : TTÜ Robotex peab 2020. aastaks saama maailma suurimaks robotivõistluseks!**

**Arak, Marti** Mente et Manu 2016 / lk. 30-33 : fot [https://artiklid.elnet.ee/record=b2767554\\*est](https://artiklid.elnet.ee/record=b2767554*est)

**Martin Pärn: "Disaineri roll on olla initsiaator, kuraator ja vahendaja."**

**Pärn, Martin** Diivan 2020 / lk. 32-36 : fot [https://www.ester.ee/record=b1923536\\*est](https://www.ester.ee/record=b1923536*est)

**Masinate ohutus [Võrguteavik] : ootamatu käivitumise vältimine = Safety of machinery : prevention of unexpected start-up (ISO 14118:2017)**

2022 [https://www.ester.ee/record=b5485912\\*est](https://www.ester.ee/record=b5485912*est)

**Masinatööstuse erialaliidud Eestis (EML 80)**

Hõbemägi, Aleksei; **Kulu, Priit; Riives, Jüri** Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 16-25 : ill

**Masinatööstuse liit - pea sajand kogemust**

Tamm, Kadri TööstusEST 2016 / lk. 14-15 : fot [https://artiklid.elnet.ee/record=b2768503\\*est](https://artiklid.elnet.ee/record=b2768503*est)

**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](#)

[Scopus](#)

**Material recycling and improvement issues in additive manufacturing**

**Mägi, Piret; Krumme, Andres; Pohlak, Meelis** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 63-68 : ill

**Materjalitehnika instituudi doktorandid külastasid Uddeholmi**

Mente et Manu 2017 / lk. 40-41 : fot [http://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2017/index.html](http://www.ttu.ee/public/m/mente-et-manu/MM_01_2017/index.html)

**A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement**

**Casesnoves, Francisco; Surženkov, Andrei** Materials and contact characterisation VIII 2017 / p. 99-111 : ill

<https://doi.org/10.2495/MC170101> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Mathematical modelling and optimization of erosion and corrosion in tribology = Erosiooni ja korrosiooni matemaatiline modelleerimine ja optimeerimine triboloogias**

**Casesnoves, Francisco** 2018 <https://digi.lib.ttu.ee/i/?11175> [https://www.ester.ee/record=b5175834\\*est](https://www.ester.ee/record=b5175834*est)

**Mathematical models in biotribology with 2D-3D erosion integral-differential model and computational-optimization/simulation programming - a mathematical model construction based on experimental research**

**Casesnoves, Francisco; Surženkov, Andrei** International journal of scientific research in computer science, engineering and information technology 2017 / p. 329-356 : ill <http://ijsrcseit.com/CSEIT17224010>

**Mathematical models in mechanical and biomedical tribology with computational simulations/optimization methods**

**Casesnoves, Francisco; Surženkov, Andrei** International journal of scientific research in computer science, engineering and information technology 2017 / p. 62-89 : ill <http://ijsrcseit.com/CSEIT17211>

**Maximizing the degree of rejuvenation in metallic glasses**

Yuan, Xudong; Sopa, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 <https://doi.org/10.1016/j.scriptamat.2022.114575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical and tribological properties of 100-nm thick alumina films prepared by atomic layer deposition on Si(100) substrates**

**Alamgir, Asad; Bogatov, Andrei; Yashin, Maxim; Podgurski, Vitali** Proceedings of the Estonian Academy of Sciences 2019 / p. 126-130 : ill <https://doi.org/10.3176/proc.2019.2.01> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-126-130.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-126-130.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical and tribological behavior of gravity and squeeze cast novel Al-Si alloy**

Chandra, Vadlamudi Srinivasa; Sivaprasad, Katakam; Dhanasekaran, Subramaniam; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 194 <https://doi.org/10.3390/met12020194>

**Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO3 for implant applications**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri; Holovenko, Yaroslav; Prashanth, Konda Gokuldoss** Applied sciences 2019 / art. 3844, 11 p. : ill <https://doi.org/10.3390/app9183844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties and microstructural evolution of Ti-25Nb-6Zr alloy fabricated by spark plasma sintering at different temperatures**

Zhu, Qing; Chen, Peng; Xiao, Qiushuo; Li, Fengxian; Yi, Jianhong; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Metals 2022 / art. 1824 <https://doi.org/10.3390/met12111824> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios**

Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei; Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p <https://doi.org/10.1016/j.cemconcomp.2021.103956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical 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 2022 <https://doi.org/10.1089/3dp.2021.0324>

**Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites**

Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Janda, Alexander Journal of materials research 2019 / p. 2672-2682 : ill <https://doi.org/10.1557/jmr.2019.149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The mechanism of joint reduction of MoO<sub>3</sub> and CuO by combined Mg/C reducer at high heating rates**

Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill <https://doi.org/10.3390/jcs5120318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L**

Kumar, Deepak; Jhavar, Suyog; Arya, Abhinav; **Prashanth, Konda Gokuldoss**; Suwas, Satyam International journal of fracture 2022 / p. 61-78 <https://doi.org/10.1007/s10704-021-00574-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mehaanika ja tööstustehnika instituut**

**Karjust, Kristo; Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 53-73 : ill., fot

### **Mehaanikainseneri käsiraamat**

Gomeringer, Roland; Heinzler, Max; Kilgus, Roland 2022 [https://www.ester.ee/record=b5469119\\*est](https://www.ester.ee/record=b5469119*est)

### **Mesoporous fibrous silicon nitride by catalytic nitridation of silicon**

**Minasyan, Tatevik; Liu, Le**; Aghayan, Marina; Rodriguez, Miguel Angel; **Aydinyan, Sofiya; Hussainova, Irina** Progress in natural science: materials international 2019 / p. 190-197 : ill <https://doi.org/10.1016/j.pnsc.2019.03.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mesoporous fibrous silicon nitride by catalytic nitridation of silicon and selective laser melting**

**Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya; Hussainova, Irina** XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 80

### **Metal-coated cenospheres obtained via magnetron sputter coating : a new precursor for syntactic foams**

Shishkin, A.; **Hussainova, Irina**; Kozlov, V.; Lisnanskis, M.; Leroy, P.; Lehmus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319-1325 : ill <https://doi.org/10.1007/s11837-018-2886-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metalli raiskamine on kallis löbu : katselabor aitab kehvast materjalist praaktoodangu juba eos välistada**

Alvela, Ain postimees.ee 2023 [Metalli raiskamine on kallis löbu: katselabor aitab kehvast materjalist praaktoodangu juba eos välistada](#)

### **Metallic coatings through additive manufacturing: a review**

**Mohanty, Shalini; Prashanth, Konda Gokuldoss** Materials 2023 / art. 2325 : ill <https://doi.org/10.3390/ma16062325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metallid - materjaliringluse liidrid**

**Kübarsepp, Jakob** Postimees 2024 / Lk. 8 <https://dea.digar.ee/article/postimees/2024/02/10/11.3>

**Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01+ISO 15614-1:2017/Amd 1:2019)**

2019 [https://www.ester.ee/record=b5272359\\*est](https://www.ester.ee/record=b5272359*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : üldreeglid = Specification and qualification of welding procedures for metallic materials : general rules (ISO 15607:2019)**

2019 [https://www.ester.ee/record=b5295429\\*est](https://www.ester.ee/record=b5295429*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2021)**

2021 [https://www.ester.ee/record=b5467471\\*est](https://www.ester.ee/record=b5467471*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 2, Laialdased kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2021)**

2021 [https://www.ester.ee/record=b5435693\\*est](https://www.ester.ee/record=b5435693*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 3, Standardsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 3, Standard quality requirements (ISO 3834-3:2021)**

2021 [https://www.ester.ee/record=b5436439\\*est](https://www.ester.ee/record=b5436439*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 4, Elementaarsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 4, Elementary quality requirements (ISO 3834-4:2021)**

2021 [https://www.ester.ee/record=b5436443\\*est](https://www.ester.ee/record=b5436443*est)



### **Metallographic investigation of iron blooms and bars from the smithy site of Käku, Estonia**

Saage, Ragnar; Peets, Jüri; **Kulu, Priit; Peetsalu, Priidu; Viljus, Mart** Fennoscandia archaeologica 2017 / p. 46–58 : ill  
<https://www.tiedekirja.fi/default/fennoscandia-archaeologica-xxiv.html> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Metal-metal interpenetrating phase composites: A review**

Zhang, Zuyao; Wang, Zhi; Zhao, Qizhong; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2024 / art. 176951  
<https://doi.org/10.1016/j.jallcom.2024.176951>

### **Metallsete materjalide keevisliidete purustav katsetamine [Võrguteavik] : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2012)**

2019 [https://www.ester.ee/record=b5199009\\*est](https://www.ester.ee/record=b5199009*est)

### **Metallsete materjalide keevisõmbuluste purustav katsetamine : keevisõmbuluste makroskoopiline ja mikroskoopiline uuring = Destructive tests on welds in metallic materials : macroscopic and microscopic examination of welds (ISO 17639:2022)**

2022 [https://www.ester.ee/record=b5507297\\*est](https://www.ester.ee/record=b5507297*est)

### **Metallsete materjalide keevisõmbuluste purustav katsetamine : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2022)**

2024 [https://www.ester.ee/record=b5678158\\*est](https://www.ester.ee/record=b5678158*est)

### **Metallsete materjalide keevisõmbuluste purustav katsetamine : paindekatsed = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2023)**

2024 [https://www.ester.ee/record=b5678083\\*est](https://www.ester.ee/record=b5678083*est)

### **Metallsete materjalide keevisõmbuluste purustav katsetamine : ristsuunalised tõmbekatsed = Destructive tests on welds in metallic materials : transverse tensile test (ISO 4136:2022)**

2024 [https://www.ester.ee/record=b5678037\\*est](https://www.ester.ee/record=b5678037*est)

### **Metallsete materjalide keevisõmbuluste purustav katsetamine [Võrguteavik] : paindekatsed = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2009+ISO 5173:2009/Amd 1:2011)**

2019 [https://www.ester.ee/record=b5225904\\*est](https://www.ester.ee/record=b5225904*est)

### **Metallsete materjalide purustavad katsed [Võrguteavik] : murdekatsed = Destructive tests on welds in metallic materials : fracture test (ISO 9017:2017)**

2018 [https://www.ester.ee/record=b4780447\\*est](https://www.ester.ee/record=b4780447*est)

### **Methodology for reconfigurable cobot-based quality control system for SME production**

**Moor, Madis; Sarkans, Martinš; Riives, Jüri; Otto, Tauno;** Vano, Jaime Masia International Journal of Engineering and Technology (IJET) 2024 / p. 113-119 <https://doi.org/10.7763/IJET.2024.V16.1265>

### **Metoo Tallinnasse? See on võimalik**

Raig, Tanel; Antov, Dago LP : [Eesti Päevalehe laupäevaleht] 2024 / lk. 12-14 <https://dea.digar.ee/article/lp/2024/04/05/16.1>

### **Micromobility and the next infrastructure wave : SAE Edge™ Research Report**

Razdan, Rahul; Alsweiss, Suleiman; Akbas, Mustapha Ilhan; Lynn, Eric; Lynn, Greg; **Sell, Raivo;** Spellman, Lisa; Sturges, Daniel; Taylor, J. W.; Morgen, Dennis 2024 <https://doi.org/10.4271/EPR2024022>

### **Microstructural and mechanical behaviour of friction welded SS316L components fabricated by selective laser melting**

Dinesh, Lanka; Damodaram, R.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials today communications 2023 / art. 107430 <https://doi.org/10.1016/j.mtcomm.2023.107430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment**

Wang, Pei; Chen, Feng-hua; Eckert, J.; Pilz, S.; Scudino, S.; **Prashanth, Konda Gokuldoss** Journal of Central South University 2021 / p. 1068–1077 : ill <https://doi.org/10.1007/s11771-021-4680-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructural evolution and mechanical properties of Ti(C,N)–FeCrMo-based green cermets**

**Maurya, Himanshu Singh; Juhani, Kristjan; Viljus, Mart; Sergejev, Fjodor; Kübarsepp, Jakob** Ceramics international 2024 / p. 8695-8705 <https://doi.org/10.1016/j.ceramint.2023.12.186>

### **Microstructural homogenisation of selective laser melted Ti6Al4V and CoCrFeMnNi high-entropy alloys = Selektiivse lasersulatusete teel valmistatud Ti6Al4V ja kõrgentropse CoCrFeMnNi sulamite mikrostruktuuri homogeniseerimine**

**Karimi, Javad** 2022 <https://doi.org/10.23658/taltech.52/2022> <https://digikogu.taltech.ee/et/Item/96573682-77a0-4fcb-b5df-b53cc9a3bfeb>  
[https://www.ester.ee/record=b5511815\\*est](https://www.ester.ee/record=b5511815*est)

**Microstructural investigation of ni-based high temperature self-lubricating laser claddings containing sulfides of nickel, copper or bismuth**

**Kumar, Rahul, 1993-**; Torres, Hector; Rodríguez Ripoll, Manel; **Antonov, Maksim; Hussainova, Irina** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 31 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

**Microstructural, mechanical and corrosion behaviour of Al–Si alloy reinforced with SiC metal matrix composite**

Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** Journal of composite materials 2019 / p. 4215-4223 : ill <https://doi.org/10.1177/0021998319856679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiB<sub>x</sub> composite doped with Ni-Bi**

**Kumar, Rahul, 1993-**; Torres, Hector; **Aydinyan, Sofiya; Antonov, Maksim;** Varga, Markus; Rodríguez Ripoll, Manel; **Hussainova, Irina** Surface and coatings technology 2022 / art. 128827 <https://doi.org/10.1016/j.surfcoat.2022.128827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical performances of NiCoFeAlTi high-entropy intermetallic reinforced CoCrFeMnNi high-entropy alloy composites manufactured by selective laser melting**

Yang, Hong; Ma, Pan; Zhang, Zhiyu; Xie, Xiaochang; Yang, Ping; Zhang, Han; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2024 / p. 6275-6287 <https://doi.org/10.1016/j.jmrt.2024.11.022>

**Microstructure and mechanical properties of Al–(12-20)Si bi-material fabricated by selective laser melting**

Zhang, Shikai; Ma, Pan; Jia, Yandong; Yu, Zhishui; Sokkalingam, Rathinavelu; Shi, Xuerong; Ji, Pengcheng; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials 2019 / art. 2126, 11 p. : ill <https://doi.org/10.3390/ma12132126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting**

Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss;** Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 <https://doi.org/10.1016/j.jmrt.2023.07.124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures**

**Karimi, Javad; Prashanth, Konda Gokuldoss** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 24 [https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

**Microstructure and mechanical properties of near net shaped aluminium/alumina nanocomposites fabricated by powder metallurgy**

**Kallip, Kaspar;** Babu, N. Kishore; AlOgab, Khaled A.; **Kollo, Lauri;** Maeder, Xavier; Arroyo, Yadira; Leparoux, Marc Journal of alloys and compounds 2017 / p. 133-143 : ill <https://doi.org/10.1016/j.jallcom.2017.04.233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing**

Singh, Shalini; Jinoop, A. N.; Palani, Iyampurumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of TiB<sub>2</sub>/Al-5Cu composites fabricated by multi-material laser powder bed fusion**

Liang, Zixi; Qi, Junfang; **Prashanth, Konda Gokuldoss;** Kang, Nan; Wang, Pei Optics and laser technology 2025 / art. 111922 <https://doi.org/10.1016/j.optlastec.2024.111922>

**Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites**

Xie, M.S.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

**Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation**

**Kommel, Lembit; Omranpour Shahreza, Babak; Mikli, Valdek** International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill <https://doi.org/10.1016/j.jirmhm.2019.104983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and properties characterization of polycrystalline Ni-Fe-Cr-based superalloy EP-718E after electric upsetting**

**Kommel, Lembit** Engineering materials and tribology XXV 2017 / p. 467-472 <https://doi.org/10.4028/www.scientific.net/KEM.721.467>  
[Conference proceedings 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](#)

**Microstructure and properties that change during hard cyclic visco-plastic deformation of bulk high purity niobium**

**Kommel, Lembit** International journal of refractory metals and hard materials 2019 / p. 10-17 : ill  
<https://doi.org/10.1016/j.ijrmhm.2018.10.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process**

Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav**; Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill <https://doi.org/10.1016/j.matchar.2021.111289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and tribological behavior of Al-12Si – Nano graphene composite fabricated by laser metal deposition process**

Yang, Zhilu; Ma, Pan; Zhang, Nan; Yang, Dongye; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 2311-2322 <https://doi.org/10.1016/j.jmrt.2023.10.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and tribological behavior of Fe-based amorphous alloy fabricated by plasma spraying and laser remelting**

Ma, Pan; Yang, Zhilu; Fang, Longfei; Zhang, Zhiyu; Fang, Yacheng; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong Transactions of the Indian Institute of Metals 2023 / p. 1007-1014 <https://doi.org/10.1007/s12666-022-02814-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution and hot deformation behavior of spray-deposited TiAl alloys**

Jia, Yandong; Xu, Long; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of materials research 2018 / p. 2844-2852 : ill  
<https://doi.org/10.1557/jmr.2018.249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion**

Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 <https://doi.org/10.1016/j.jallcom.2023.171430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder**

**Kolnes, Märt**; **Mere, Arvo**; **Kübasepp, Jakob**; **Viljus, Mart**; **Maaten, Birgit**; **Tarraste, Marek** Powder metallurgy 2018 / p. 197-209 : ill <https://doi.org/10.1080/00325899.2018.1447268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure formation and mechanical performance of micro-nanoscale ceramic reinforced aluminum matrix composites manufactured by laser powder bed fusion**

Xi, Lixia; Feng, Lili; Gu, Dongdong; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Wang, Ruiqi; Xiong, Ke; Sarac, Baran; Eckert, Jürgen Journal of alloys and compounds 2023 / art. 168803 <https://doi.org/10.1016/j.jallcom.2023.168803> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites**

**Juhani, Kristjan**; **Kübasepp, Jakob**; **Tarraste, Marek**; **Pirso, Jüri**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est)  
<https://doi.org/10.4028/www.scientific.net/KEM.799.131> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Microstructure, mechanical properties, and corrosion behavior of 06Cr15Ni4CuMo processed by using selective laser melting**

Maya, Jayaraman; Sivaprasad, Katakam; Kumar, Guttula Venkata Sarath; Baitimerov, Rustam; Lykov, Pavel; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 1303 <https://doi.org/10.3390/met12081303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC–graphite hybrid composites**

Jamwal, Anbesh; Prakash, Prem; Kumar, Devendra; **Singh, Neera**; Sadasivuni, Kishor Kumar; Harshit, Kumar; Gupta, Sumit; Gupta, Pallav Journal of composite materials 2019 / p. 2545 - 2553 <https://doi.org/10.1177/0021998319832961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microwave reflectance and transmittance properties of conductive composite materials**

Shishkin, Andrei; **Koppel, Tarmo**; Mironov, Viktor; **Hussainova, Irina**; **Locs, Janis**; Haldre, Heldur Energy procedia 2017 / p. 354-361 : ill <https://doi.org/10.1016/j.egypro.2017.04.006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Microwave synthesis of B4C nanopowder for subsequent spark plasma sintering**

Davtyan, D.; Mnatsakanyan, R.A.; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** Journal of materials research and technology 2019 / p. 5823-5832 : ill <https://doi.org/10.1016/j.jmrt.2019.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mida disainib kultuuripoliitika?**

**Melioranski, Ruth-Helene** Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 256-260 [http://www.ester.ee/record=b4819730\\*est](http://www.ester.ee/record=b4819730*est)

### **Mida millestki teha saaks**

**Lõhmus, Ants**; **Kübarsepp, Jakob** Jakob Kübarsepp : bibliograafia 2017 / lk. 52-63 [http://www.ester.ee/record=b4664665\\*est](http://www.ester.ee/record=b4664665*est)

### **Mida toob Euroopa tehnoloogiavaldkonna tippkonverents Manufuture 2017 Tallinna Tehnikaülikoolis**

**Otto, Tauno** Mente et Manu 2017 / lk. 40-41 [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2017/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html) [https://artiklid.elnet.ee/record=b2827016\\*est](https://artiklid.elnet.ee/record=b2827016*est)

### **Mida tähendab meile neljas tööstusrevolutsioon?**

**Riives, Jüri**; **Otto, Tauno** Mente et Manu 2017 / lk. 44-45 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2017/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html) [https://artiklid.elnet.ee/record=b2827020\\*est](https://artiklid.elnet.ee/record=b2827020*est)

### **Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi**

Salmi, Mika digi.geenius.ee 2024 [Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi](https://www.digi.geenius.ee/record=b4664665*est)

### **Miks 80 km/h on parem kui 90? Piirkiiruse vähendamine hoiaks aastas kokku vähemalt 7 miljonit liitrit kütust**

rohe.geenius.ee 2023 [Miks 80 km/h on parem kui 90? Piirkiiruse vähendamine hoiaks aastas kokku vähemalt 7 miljonit liitrit kütust](https://www.rohe.geenius.ee/record=b4664665*est)

### **Miks kodumasinad aina vähem vastu peavad? “Probleem on sarnane kiirmoe edukusega.”**

digi.geenius.ee 2023 [Miks kodumasinad aina vähem vastu peavad? “Probleem on sarnane kiirmoe edukusega.”](https://www.digi.geenius.ee/record=b4664665*est)

### **Miks soovib Eesti jääda anonüümseks?**

**Rajangu, Väino** Postimees 2017 / lk. 15 <https://arvamus.postimees.ee/4184719/ttu-emeritprofessor-kusib-miks-soovib-eesi-jaada-eli-eesistujana-anonuumseks/comments>

### **Mild steel tribology for circular economy of textile industries**

**Hussain, Abrar**; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; Basit, Muhammad Abdul; Ahmad, Tahir Tribology in Industry 2021 / p. 552-560 <https://doi.org/10.24874/ti.1050.02.21.04> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering**

**Minasyan, Tatevik**; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; **Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina** Journal of materials science 2018 / p. 16598–16608 <https://doi.org/10.1007/s10853-018-2787-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A model-based LQR control of an obstacle avoidance maneuver of a self-driving car**

**Astrov, Igor**; **Udal, Andres**; **Pikner, Heiko**; **Malayjerdi, Ehsan** 2022 IEEE 20th Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMII) : Poprad, Slovakia, 2-5 March 2022 2022 / p. 473-478 : ill <https://doi.org/10.1109/SAMII54271.2022.9780755>

### **Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 1: Modelling)**

**Harf, Mait**; **Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 63–68 <https://www.eurosis.org/cms/files/proceedings/ESM/ESM2018contents.pdf>

### **Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 2: Simulation)**

**Harf, Mait**; **Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 69-73 <https://www.eurosis.org/cms/files/ESM2018FINPROG.pdf>

### **Model-based simulation of hydraulic hoses in an intelligent environment**

**Grossschmidt, Gunnar; Harf, Mait** International journal of fluid power 2018 / p. 27-41 : ill

<https://doi.org/10.1080/14399776.2017.1374140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modeling as a method to improve road safety during mass events**

Makarova, Irina; Khabibullin, Rifat; **Pashkevich, Anton**; Shubenkova, Ksenia Transportation research procedia 2017 / p. 430-435 : ill

<https://doi.org/10.1016/j.trpro.2017.01.070> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Modeling of microstructures and analysis of abrasive wear of arc-welded Hadfield steel**

Jankauskas, Vytenis; Choteborsky, R.; **Antonov, Maksim**; Katinas, Egidijus Journal of friction and wear 2018 / p. 78-84 : ill

<https://doi.org/10.3103/S1068366618010142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Modeling of the human lower-limb motion, design and control of knee joint orthosis**

Musalimov, Victor; Monahov, Yury; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; Aryassov, Gennady; **Penkov, Igor** International

review on modelling and simulations (IREMOS) 2017 / p. 371-376 <https://doi.org/10.15866/iremos.v10i5.11853> [Journal metrics at Scopus](#)  
[Article at Scopus](#)

### **Modelling and simulation of autonomous vehicles and systems and their advanced control methods = Autonomõsete sõidukite ja süsteemide ning nende täiustatud juhtimismetoodikate modelleerimine ja simuleerimine**

**Pedai, Andrus** 2021 [https://www.ester.ee/record=b5391357\\*est](https://www.ester.ee/record=b5391357*est) <https://digikogu.taltech.ee/et/Item/654ccb12-0d81-4ae2-ae07-11248063913c>

<https://doi.org/10.23658/taltech.9/2021>

### **Modelling FGM materials. An accurate function approximation algorithms**

**Majak, Jüri; Mikola, Madis; Pohlak, Meelis; Eerme, Martin; Karunanidhi, Ramachandran** IOP conference series : materials

science and engineering 2021 / art. 012013, 6 p <https://doi.org/10.1088/1757-899X/1140/1/012013>

### **Modelling of impact-abrasive wear of ceramic, metallic, and composite materials**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Kamboj, Nikhil Kumar** Proceedings of the Estonian Academy of Sciences 2019 /

p. 191–197 : ill <https://doi.org/10.3176/proc.2019.2.11> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-191-197.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-191-197.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modelling process parameters of the PA12-CF60 carbon fiber laminating tape for low cost laminating devices**

**Haavajõe, Anti; Mikola, Madis; Pohlak, Meelis** International Conference of numerical analysis and applied mathematics, ICNAAM

2019, 23–28 September 2019, Rhodes, Greece 2020 / art. 230006 <https://doi.org/10.1063/5.0026715> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Modelling regional airport terminal capacity**

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

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

### **Modelling residual stresses in glass structures**

**Õunapuu, Erko**; Anton, Johan; **Klauson, Aleksander** AIP conference proceedings 2019 / art. 330007

<https://doi.org/10.1063/1.5114345> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Modelling the relationship of digital technologies with lean and agile strategies**

Raji, Ibrahim; **Ševtšenko, Eduard**; Rossi, Tommaso; Strozzi, Fernanda Supply Chain Forum: an International Journal 2021 / p.

323–346 <https://doi.org/10.1080/16258312.2021.1925583> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia**

2019 [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799>

### **Modern Materials and Manufacturing (MMM 2021), 27th-29th April 2021, Tallinn, Estonia**

2021 <https://iopscience.iop.org/issue/1757-899X/1140/1>

### **Modern robot integrated manufacturing cell according to the needs of Industry 4.0**

**Moor, Madis; Vaher, Kristo; Riives, Jüri**; Kangro, Tavo; **Otto, Tauno** IOP conference series : materials science and engineering

2021 / art. 012034, 5 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012034>

### **Modern robot-integrated manufacturing cell according to the needs of Industry 4.0**

**Moor, Madis; Vaher, Kristo; Riives, Jüri**; Kangro, Tavo; **Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2021 / p.

407-412 : ill <https://doi.org/10.3176/proc.2021.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modification of the optoelectronic properties of Cu<sub>2</sub>CdSnS<sub>4</sub> through low-temperature annealing**  
Pilvet, Maris; Kauk-Kuusik, Marit; Grossberg, Maarja; Raadik, Taavi; Mikli, Valdek; Traksmäa, Rainer; Raudoja, Jaan; Timmo, Kristi; Krustok, Jüri *Journal of alloys and compounds* 2017 / p. 820-825 : ill <https://doi.org/10.1016/j.jallcom.2017.06.307>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modular smart control system architecture for the mobile robot platform**  
Sell, Raivo; Väljaots, Eero; Pataräia, Tengiz; Malayjerdi, Ehsan *Proceedings of the Estonian Academy of Sciences* 2019 / p. 395-400 : ill [http://www.kirj.ee/32713/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32713/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo(Si,Al)<sub>2</sub> by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi<sub>2</sub>**  
Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina *Materials letters* 2022 / art. 131041  
<https://doi.org/10.1016/j.matlet.2021.131041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>-based composite by reactive laser powder-bed fusion**  
Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Volobujeva, Olga; Toyserkani, Ehsan; Hussainova, Irina *Materials letters* 2020 / art. 128776, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.128776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**MoSi<sub>2</sub> based composites by selective laser melting**  
Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya; Hussainova, Irina *APICAM2019 program : [abstracts]* 2019 / p. [218]  
<https://www.apicam2019.com.au/LiteratureRetrieve.aspx?ID=200067>

**MoSi<sub>2</sub> based composites preparation by combustion synthesis with subsequent selective laser sintering [Online resource]**  
Minasyan, Tatevik; Rodriguez, Miguel Angel; Liu, Le; Aghayan, Marina; Kollo, Lauri; Hussainova, Irina *Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L07* [http://2018.cimtec-congress.org/abstracts\\_focused\\_session\\_cb-10](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

**MoSi<sub>2</sub>-based composites by selective laser melting = Selektiivse lasersulatuse teel valmistatud MoSi<sub>2</sub> baasil komposiidid**  
Minasyan, Tatevik 2020 [https://www.ester.ee/record=b5388072\\*est](https://www.ester.ee/record=b5388072*est) <https://digikogu.taltech.ee/et/Item/26aa1fe6-b853-43b8-887a-51b6efa0b5ef>

**Motion imitation of the human pelvic and hip joints**  
Musalimov, Victor; Arjassov, Gennadi; Žigailov, Sergei; Rõbak, Dmitri; Penkov, Igor *Mechatronics systems and materials* 2018 / art. 020046, 6 p. : ill <https://doi.org/10.1063/1.5066508> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Moving up the Value Chain : Manufature 2017, Tallinn : 24-25 October, 2017 Tallinn University of Technology**  
Otto, Tauno 2017 [https://www.ester.ee/record=b4747139\\*est](https://www.ester.ee/record=b4747139*est)

**Multifractal analysis of high-temperature plasma irradiated tungsten surfaces**  
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; Priimets, Jaanis; Mikli, Valdek; Antonov, Maksim *Surface topography : metrology and properties* 2021 / 13 p. : ill <https://doi.org/10.1088/2051-672X/ac1dc3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial**  
Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlić, Inga; Hussainova, Irina; Ivanković, Hrvoje *Ceramics International* 2022 / p. 18361 - 18373 <https://doi.org/10.1016/j.ceramint.2022.03.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-layer cyber-physical control method for mobile robot safety systems**  
Pikner, Heiko; Sell, Raivo; Majak, Jüri; Karjust, Kristo *Proceedings of the Estonian Academy of Sciences* 2021 / p. 383-391 : ill <https://doi.org/10.3176/proc.2021.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-layer cyber-physical low-level control solution for mobile robots**  
Pikner, Heiko; Karjust, Kristo *IOP conference series : materials science and engineering* 2021 / art. 012048  
<https://doi.org/10.1088/1757-899X/1140/1/012048>

**Multi-pole modelling and intelligent simulation of a fluid power feeding system with a pneumo-hydraulic accumulator**  
Harf, Mait; Grossschmidt, Gunnar *16th International Conference on Modeling and Applied Simulation (MAS 2017) : held at the International Multidisciplinary Modeling and Simulation Multiconference (I3M 2017), Barcelona, Spain, 18 – 20 September 2017* 2017 / p. 128-135 <http://www.scopus.com/inward/record.uri?eid=2-s2.0-85035125034&partnerID=40&md5=1383db926eab8e4c7540e2c6d237033c>

**Multitier digital twin approach for agile supply chain management**  
Ševtšenko, Eduard; Mahmood, Kashif; Karaulova, Tatjana; Raji, Oluwole Ibrahim *ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23760*, 10 p <https://doi.org/10.1115/IMECE2020-23760>

**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](#)

**Mälumängus «15 küsimust» osalenud Tanel Jairus annetab võidusumma edasi**  
postimees.ee 2024 / lk. 11 [Mälumängus «15 küsimust» osalenud Tanel Jairus annetab võidusumma edasi](https://dea.digar.ee/article/postimees/2024/09/19/9.3)  
<https://dea.digar.ee/article/postimees/2024/09/19/9.3>

**Mängud lennuki tagatiiva disainiga : [ka doktorant Peep Laugu kommnetaarid]**  
Kangur, Paavo Inseneeria 2017 / lk. 40-43 : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est) [https://artiklid.elnet.ee/record=b2818081\\*est](https://artiklid.elnet.ee/record=b2818081*est)

**Nanosize molybdenum carbide preparation by sol-gel combustion synthesis with subsequent fast heating**  
Kirakosyan, Hasmik; Nazaretyan, Khachatur; Kirakosyan, Khachatur; Tumanyan, M.E.; **Aydinyan, Sofiya**; Kharatyan, Suren  
Chemical Journal of Armenia 2017 / p. 11-19 : ill <http://chemistry.asj-oa.am/id/eprint/7782>

**Nanosized molybdenum carbide synthesized by solution combustion synthesis with subsequent thermal treatment**  
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Kharatyan, Suren SHS 2017 : XIV International Symposium On Self-Propagating High Temperature Synthesis, September 25-28, 2017, Tblisi, Georgia : Book of Abstracts 2017 / p. 175-176 : ill [http://mmi.ge/uploads/files/2017-10/1507298270\\_book-of-abstracts-shs-2017.pdf](http://mmi.ge/uploads/files/2017-10/1507298270_book-of-abstracts-shs-2017.pdf)

**Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner**  
**Kamboj, Nikhil Kumar; Aghayan, Marina**; Rubio-Marcos, Fernando; Nazaretyan, Khachatur; Rodriguez, Miguel Angel; Kharatyan, Suren; **Hussainova, Irina** Ceramics international 2018 / p. 12265-12272 : ill <https://doi.org/10.1016/j.ceramint.2018.04.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanostructure development in refractory metals : ECAP processing of Niobium and Tantalum using indirect-extrusion technique**  
**Omranpour Shahreza, Babak; Kommel, Lembit; Mikli, Valdek**; Garcia, Edgar; Huot, Jacques International journal of refractory metals and hard materials 2019 / p. 1-9 : ill <https://doi.org/10.1016/j.ijrmhm.2018.10.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Negative synergy in teamwork**  
**Martin, Andres** Socio-technical synergetics 2024 / p. 39-50 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

**Neural predictive tracking control of catamaran model sailboat for situation awareness applications**  
**Astrov, Igor; Udal, Andres** INES 2020 : IEEE 24th International Conference on Intelligent Engineering Systems, July 8-10, 2020, Reykjavik, Iceland : proceedings 2020 / p. 153-158 : ill <https://doi.org/10.1109/INES49302.2020.9147126>

**New higher order Haar wavelet method : application to FGM structures**  
**Majak, Jüri; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin; Kurnitski, Jarek**; Shvartsman, Boris Composite Structures 2018 / p. 72-78 : tab <https://doi.org/10.1016/j.compstruct.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New materials through a variety of sintering methods**  
Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Lukasik, J.; Podsiadlo, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A new synthesis pathway for molybdenum carbide nanopowder by solution combustion**  
Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Tumanyan, Manvel; Kharatyan, Suren The International Conference Dedicated to the 50th Anniversary of Self-Propagating High Temperature Synthesis (SHS-50) : proceedings = Международная конференция СВС-50, приуроченная к 50-летию юбилею научного открытия Явление волновой локализации автотормозящихся твердофазных реакций... : сборник материалов 2017 / p. 35-36 : ill <http://www.ism.ac.ru/events/SHS-50/abstracts.pdf>

**New technological solutions to improve the aerodynamic characteristics of an aircraft wing = Õhusõidukite tiiva aerodünaamiliste omaduste parandamine uute tehnoloogiliste lahenduste abil**  
**Lauk, Peep** 2019 <https://digi.lib.ttu.ee/i/?12286> [Doktoritöö pakub lahenduse, mis vähendab lennuki kütusekulu kümnest kuni üheksa korda](#)

**NiO and WO3 coreduction by combined reducers Mg/C and preparation of W-Ni alloy [Online resource]**  
Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L03 [http://2018.cimtec-congress.org/abstracts\\_focused\\_session\\_cb-10](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

**NiO reduction by Mg plus C combined reducer at high heating rates**

Zakaryan, Marieta; Nazaretyan, K.T.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of thermal analysis and calorimetry 2021 / p. 1811-1817 : ill <https://doi.org/10.1007/s10973-020-10148-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **NiTi-Cu bimetallic structure fabrication through wire arc additive manufacturing**

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyamperumal, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 <https://doi.org/10.3390/ma17051006>

#### **Nonlinear comparative optimization for biomaterials wear in artificial implant technology**

**Casesnoves, Francisco** Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 <https://doi.org/10.4028/www.scientific.net/KEM.800.52> Conference proceeding at Scopus Article at Scopus

#### **Non-linear impedance of a new sound absorptive fibreless material title**

**Auriemma, Fabio; Tiikoja, Heiki** MIC 2015 : 2nd International Conference on Modelling, Identification and Control : August 9-10, 2015, Paris, France 2015 / p. 195-199 : ill <http://dx.doi.org/10.2991/mic-15.2015.44>

#### **Novel approach for the preparation of shapes from TiB<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> composite by selective laser melting**

**Liu, Le; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina** Proceedings of the Euro PM 2018 Congress : Bilbao, Spain. 14-18 October 2018 2018 <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-am-special-materials>

#### **Novel approach for the synthesis and sintering of TiB<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic composite**

**Liu, Le; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 - 18 October 2018, Bilbao, Spain 2018 / art. 3987173 [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

#### **A novel approach in mechanical nanostructuring synthesis of metal hydride : hydrogen sorption enhancement by High Pressure Torsion Extrusion**

**Omranpour Shahreza, Babak; Ivanisenko, Julia; Sergejev, Fjodor; Omranpour, Hosseinali; Huot, Jacques** International Journal of Hydrogen Energy 2024 / p. 133-142 <https://doi.org/10.1016/j.ijhydene.2023.10.343>

#### **A novel approach to electroconductive ceramics filled by graphene covered nanofibers**

**Drozdova, Maria; Hussainova, Irina V.; Pérez-Coll, Domingo; Aghayan, Marina A.; Ivanov, Roman A.; Rodríguez, M. A.** Materials and Design 2016 / p. 291 - 298 <https://doi.org/10.1016/j.matdes.2015.10.148> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **A novel approach to fabricate Si<sub>3</sub>N<sub>4</sub> by selective laser melting**

**Minasyan, Tatevik; Liu, Le; Aghayan, Marina; Kollo, Lauri; Kamboj, Nikhil Kumar; Aydinyan, Sofiya; Hussainova, Irina** Ceramics international 2018 / p. 13689-13694 : ill <https://doi.org/10.1016/j.ceramint.2018.04.208> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **A novel crack-free and refined 2195-Ti/CeB<sub>6</sub> composites prepared by laser powder bed fusion**

**Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; Prashanth, Konda Gokuldoss** Materials letters 2023 / art. 133572 <https://doi.org/10.1016/j.matlet.2022.133572> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion**

**Zhang, Cheng; Wang, Pei; Liu, C. Y.; Liu, Zhiyuan; Wu, Mingwei; Gao, X. H.; Li, M. H.; Yang, Chao; Prashanth, Konda Gokuldoss; Chen, Zhangwei** Journal of alloys and compounds 2022 / art. 164802 <https://doi.org/10.1016/j.jallcom.2022.164802> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Novel digital twin development methodology for the robot cell connectivity in a smart industry environment = Uudne digitaalsete kaksikute arendusmetoodika robotootmisrakkude sidustamiseks targa tööstuse keskkonnas**

**Kuts, Vladimir** 2019 <https://digi.lib.ttu.ee/i/?12252> Tehnikaülikooli doktoritöö tõhustas robotijuhtimist virtuaalkaksikuga

#### **A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder metallurgy**

**Zhang, W.W.; Hu, Y.; Prashanth, Konda Gokuldoss** Materials science and engineering : A 2018 / p. 34-41 . ill <https://doi.org/10.1016/j.msea.2018.07.082>

#### **Novel pathway for the combustion synthesis and consolidation of boron carbide**

**Zakaryan, Marieta; Zurnachyan, Alina; Amirkhanyan, Narine; Kirakosyan, Hasmik; Antonov, Maksim; Rodriguez, Miguel Angel; Aydinyan, Sofiya** Materials 2022 / art. 5042 <https://doi.org/10.3390/ma15145042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **A novel pathway of solution combustion synthesis of silicon carbide and SiC based composite whiskers**

**Kirakosyan, Hasmik; Nazaretyan, Khachik; Amirkhanyan, Narine; Beglaryan, Hayk; Aydinyan, Sofiya** Modern materials and



**A novel real-time parametric tracking approach for robust microwave filter tuning**

**Sekhri, Even; Tamre, Mart; Kapoor, Rajiv; Kumar, Rahul, 1993-** 2023 IEEE International Conference on Artificial Intelligence, Blockchain, and Internet of Things (AIBThings) 2023 / 5 p. : ill <https://doi.org/10.1109/AIBThings58340.2023.10292473>

**A novel route for the preparation of TiB<sub>2</sub>/TiN composites by selective laser sintering [Online resource]**

**Liu, Le; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

**Novel silicon-wollastonite based scaffolds for bone tissue engineering produced by selective laser melting**

**Kamboj, Nikhil Kumar; Aghayan, Marina; Rodrigo-Vazquez, Sara; Rodriguez, Miguel Angel; Hussainova, Irina** Ceramics International 2019 / p. 24691-24701 : ill <https://doi.org/10.1016/j.ceramint.2019.08.208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel Ti-eggshell-based composite fabricated by combined additive manufacturing-powder metallurgical routes as bioimplants**

**Shukla, Riddhi Hirenkumar; Yadav, Mayank Kumar; Madruga, Liszt Yeltsin Coutinho; Jaymani, Jayraj; Popat, Ketul; Wang, Zhi; Xi, Lixia; Prashanth, Konda Gokuldoss** Ceramics international 2024 / 11 p <https://doi.org/10.1016/j.ceramint.2024.12.073>

**Novel welding of Al<sub>0.5</sub>CoCrFeNi high-entropy alloy: corrosion behavior**

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Duraiselvam, Muthukannan; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 153163, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Numerical analysis of dynamics of flight of the fragments**

**Kivistik, Lenart; Eerme, Martin; Majak, Jüri; Kirs, Maarjus** AIP conference proceedings 2024 / art. 030016 <https://doi.org/10.1063/5.0189331>

**Numerical method for stability analysis of functionally graded beams on elastic foundation**

Shvartsman, Boris; **Majak, Jüri** Applied Mathematical Modelling 2016 / p. 3713 - 3719 <https://doi.org/10.1016/j.apm.2015.09.060> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

**Numerical solution of a class of fractional delay differential equations via haar wavelet**

Aziz, Imran; Amin, Rohul; **Majak, Jüri** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 8-12 <http://innomet.ttu.ee/daaam/>

**Numerical solution of stiff ODEs using non-uniform Haar wavelets**

Aziz, Imran; Yasmeen, Shumaila; **Tsukrejev, Pavel** International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2018 : 13-18 September 2018, Rhodes, Greece 2019 / art. 330008 <https://doi.org/10.1063/1.5114346> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Numerical study on the effect of geometry on mechanical behavior of triply periodic minimal surfaces**

**Rezapourianghahfarokhi, Mansoureh; Kamboj, Nikhil Kumar; Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012038 <https://doi.org/10.1088/1757-899X/1140/1/012038>

**Nutika tootmise uus tase paintootmissüsteemide ja robotika demokeskuse abil**

**Karjust, Kristo; Otto, Tauno** Mente et Manu 2017 / lk. 36-37 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) [https://artiklid.elnet.ee/record=b2830874\\*est](https://artiklid.elnet.ee/record=b2830874*est)

**Nutikorsett aitab vildakselgsust ravida**

Imeline Teadus 2022 / lk. 23 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

**Nüüdistootmine : kõrgkooliõpik**

**Hermaste, Aigar; Karjust, Kristo; Kiolein, Indrek; Küttner, Rein; Lavin, Jaak; Lõun, Kaia; Mooste, Tarmo; Naams, Invar; Otto, Tauno; Pohlak, Meelis; Riives, Jüri; Sarkons, Martinš; Talkop, Adolf; Tähemaa, Toivo** 2023 <https://digikogu.taltech.ee/et/Item/2ec35c39-f345-4ae8-9fb6-395e039cd43a> [https://www.ester.ee/record=b5537809\\*est](https://www.ester.ee/record=b5537809*est)

**Object segmentation for autonomous driving using iseAuto data**

**Gu, Junyi; Bellone, Mauro; Sell, Raivo; Lind, Artjom** Electronics (Switzerland) 2022 / Art. 1119 <https://doi.org/10.3390/electronics11071119> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Observation of nonlinear vibro-acoustic phenomena in the presence of elastic membrane with different boundary conditions [Online resource]**

**Moezzi, Reza** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn :

**Observation of nonlinear vibro-acoustic phenomena in the presence of elastic membrane with different boundary conditions**

**Moezzi, Reza; Auriemma, Fabio** Euronoise 2018 Crete : conference proceedings 2018 / p. 2645-2651 : ill [http://www.euronoise2018.eu/docs/papers/437\\_Euronoise2018.pdf](http://www.euronoise2018.eu/docs/papers/437_Euronoise2018.pdf)

**Obtaining strength-ductility combination in a laser additive manufactured (FeCoNi)86Al7Ti7 high-entropy alloy at cryogenic temperature**

Xie, K.; Fang, Y.; Ma, P.; Yang, H.; Wan, S.; **Prashanth, Konda Gokuldoss**; Gargarella, P.; Mu, Y.; Wang, G.; Jia, Y. Journal of materials research and technology 2025 / p. 819-831 <https://doi.org/10.1016/j.jmrt.2024.12.125>

**Occupational qualification standard for truck drivers as a risk management tool in road transportation of dangerous goods**

**Janno, Jelizaveta; Koppel, Ott** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 2 2021 / p. 277-288 [https://doi.org/10.1007/978-3-030-68201-9\\_29](https://doi.org/10.1007/978-3-030-68201-9_29) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Ohtlike veoste tegelikkus ja ohud**

Saarmann, Tanel Teeleht 2019 / lk. 33-35 : fot [https://www.ester.ee/record=b1073043\\*est](https://www.ester.ee/record=b1073043*est) [https://www.mnt.ee/sites/default/files/road\\_paper\\_pdf/mnt\\_teeleht\\_nr97\\_web.pdf](https://www.mnt.ee/sites/default/files/road_paper_pdf/mnt_teeleht_nr97_web.pdf)

**On accuracy of the Haar wavelet method**

**Majak, Jüri**; Shvartsman, Boris; **Pohlak, Meelis; Eerme, Martin; Kirs, Maarjus** Mathematical modelling and analysis 2016 : abstracts 2016 / p. 50 [http://www.ester.ee/record=b4573512\\*est](http://www.ester.ee/record=b4573512*est)

**On Acoustic Properties of Duct Termination Exhausting Hot Flow by Utilizing FEMSimulation**

**Rämmal, Hans; Lavrentjev, Jüri** Evolutions in mechanical engineering 2021 / art. EME.000565 <https://crimsonpublishers.com/eme/fulltext/EME.000565.php>

**On essence of synergy**

**Reedik, Vello** Socio-technical synergetics 2024 / p. 9-15 : ill [https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

**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 acoustic impedance of a fibreless sound absorptive element**

**Auriemma, Fabio; Tiikoja, Heiki** SAE international journal of engines 2015 / p. 2268-2275 : ill <http://dx.doi.org/10.4271/2015-24-2462>

**On the potential of Transparent Rare-Earth-Free ZnAl<sub>2</sub>O<sub>4</sub> Ceramics targeted at the UV-C to UV-B emission**

**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando**; Romet, Ivo; Feldbach, Eduard; Buryi, Maksym; John, David; **Ivanov, Roman; Hussainova, Irina**; Fernandez, José F.; Nagirnyi, Vitali Applied materials today 2024 / ar. 102230, 14 p. : ill <https://doi.org/10.1016/j.apmt.2024.102230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**One-dimensional multilayer photonic crystals**

Almeida, Rui M.; **Rojas Hernandez, Rocio Estefania**; Santos, Luis F. Sol-gel derived optical and photonic materials 2021 / p. 75-94 : ill <https://doi.org/10.1016/B978-0-12-818019-8.00004-1>

**Online and blended laboratories for practical mechanical engineering**

Stöhr, Christian; Olesen, Veronica; Sheikhi, Shahram; Langer, Robert; **Kuts, Vladimir; Müür, Margus**; Nousiainen, Antti; Putkonen, Ari The 19th international CDIO conference, Trondheim, Norway, 26-29 June 2023 : proceedings - full papers 2023 / p. 805-819 <http://www.cdio.org/knowledge-library/documents/online-and-blended-labs-practical-mechanical-engineering>

**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>

**Operational risks in dangerous goods transportation chain on roads**

**Janno, Jelizaveta; Koppel, Ott** LogForum : Scientific journal of logistics 2018 / p. 33-41 <http://dx.doi.org/10.17270/J.LOG.2018.261>

**Optical spectroscopy methods for the characterization of sol-gel materials**

Marques, Ana C.; **Rojas Hernandez, Rocio Estefania**; Almeida, Rui M. Journal of Sol-Gel science and technology 2021 / 43 p. : ill <https://doi.org/10.1007/s10971-021-05592-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimal holder configurations for suspended glass panels**

**Auriemma, Fabio**; Aiello, Robert 25th International Congress on Sound and Vibration 2018 (ICSV 25) : Hiroshima Calling, Hiroshima, Japan , 8-12 July, 2018 : proceedings. Vol. 1 2018 / p. 4331-4338 <http://toc.proceedings.com/40638webtoc.pdf>

### **Optimal mechanical properties of Hydroxyapatite gradient Voronoi porous scaffolds for bone applications — a numerical study**

**Rezapourianghahfarokhi, Mansoureh; Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2023 / art. 106232 <https://doi.org/10.1016/j.jmbbm.2023.106232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties**

**Küüna, Siim; Visnapuu, Meeri; Volobujeva, Olga; Soares Rosario, Maria; Rauwel, Protima; Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 <https://doi.org/10.1088/1757-899X/613/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Optimisation of trabecular bone mimicking silicon-hydroxyapatite based composite scaffolds processed through selective laser melting**

Ressler, Antonia; **Kamboj, Nikhil Kumar; Ivanković, Hrvoje; Hussainova, Irina** Open Ceramics 2022 / art. 100252 <https://doi.org/10.1016/j.oceram.2022.100252> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Optimization of enterprise analysis model for KPI selection**

**Kaganski, Sergei; Eerme, Martin; Tungal, Ernst** Proceedings of the Estonian Academy of Sciences 2019 / p. 371–375 : ill [http://www.kirj.ee/32654/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32654/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimization of structure of hardmetal reinforced iron-based PM hardfacings for abrasive wear conditions**

**Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Goljandin, Dmitri; Tarbe, Riho; Tarraste, Marek; Viljus, Mart** Engineering materials and tribology XXV 2017 / p. 351-355 <https://doi.org/10.4028/www.scientific.net/KEM.721.351> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Optimized vibro-acoustic design of suspended glass panels**

Aiello, Robert; **Auriemma, Fabio** Structural and multidisciplinary optimization 2018 / p. 2253–2268 : ill <https://doi.org/10.1007/s00158-018-2014-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ozone-assisted degradation of 2-methoxyethanol in a prototype plug flow photocatalytic reactor**

**Altof, Kristen; Krichevskaya, Marina; Preis, Sergei; Tähemaa, Toivo; Bolobajev, Juri** Chemical engineering journal 2023 / art. 148488 <https://doi.org/10.1016/j.cej.2023.148488>

### **Overview of cyber-physical control systems for self-driving vehicles**

**Pikner, Heiko** 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 105-106 : ill [https://www.ester.ee/record=b5291755\\*est](https://www.ester.ee/record=b5291755*est)