

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

toostusuudised.ee 2023 / 11. det. [Aasta tehase žürii: tööstus on investeerimisel ebakindel, kuid raha vajadusel leitakse](#)

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

Tkachivskyi, 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>

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; Rützmänn, 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

Acoustic and thermoacoustic properties of an additive manufactured lattice structure

Di Giulio, Elio; Auremma, 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 performance of an additive manufactured lattice structure

Auremma, 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

Auremma, Fabio Applied acoustics 2017 / p. 128-137 : ill <https://doi.org/10.1016/j.apacoust.2017.02.019>

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-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

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

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

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

Adaptive industrial robots using machine vision

Kuts, Vladimir; Otto, Tauno; Tähemaa, Toivo; Bukhari, Khuldoon; Pataraia, 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>

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 : 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 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>

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>

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>

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 elektrokeemilistele 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

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://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_Abstracts_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 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->

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://digikogu.taltech.ee/et/Item/b7da5652-066b-408c-81b4-d15cb6e46fca>

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-7900cff280a2?name=36_LAUK%20AEGATS.pdf&type=application%2Fpdf

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

Akadeemia tegevusest 2015. aastal : informaatika ja tehnikateaduste osakond : akadeemik Jakob Kübarsepp : [ettekanne 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

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

Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2018 2019 / 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 2020 / lk. 79-80 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>

Algoritmi õpetab isejuhtiva auto möödasõite tegema

Imeline Teadus 2022 / lk. 21 : fot 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-grafeenhübriidmaterjalid biovedelike elektrokeemiliseks tuvastamiseks

Taleb, Masoud 2018 <https://digi.lib.ttu.ee/i/?11202>

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://fmdk.ut.ee/teesid/>

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

Guana, H.D.; Lia, C.J.; Gaoa, 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 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 <https://doi.org/10.1016/j.chemosphere.2023.139588>

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

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://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

Analysis and design of multifunctional laminated glass composite structures

Majak, Jüri; Pohlak, Meelis; Õunapuu, 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 = Klaaskonstruktioonide analüüs ning optimeerimine

Õunapuu, Erko 2019 <https://digikogu.taltech.ee/et/Item/1851ce66-14f9-486e-9153-414b75cb0495>

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; Öiger, 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 [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 TiO₂

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

Rüütmann, Tiia Interactive Collaborative Learning : proceedings of the 19th ICL Conference - Volume 1 2017 / p. 405-414 : ill http://dx.doi.org/10.1007/978-3-319-50337-0_39

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 Ceramic Society : abstract book 2019 / p. 167

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>

Application of component organized learning method for DIGSCM 4.0 hybrid courses

Shevtshenko, 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> https://link.springer.com/chapter/10.1007/978-3-031-26876-2_15

Application of HOHWM for vibration analysis of nanobeams

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

Application of 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 TiO₂-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

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 <http://dx.doi.org/10.3176/proc.2016.3.05>

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

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

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

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

Assessment of 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>

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](#)

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://sarjaweb.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 [Article collection metrics at Scopus](#) [Article at Scopus](#)

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](#)

[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

Avarii avarii otsa. Saatejuht Tiina Park ajas inimese ülekäigurajal alla

Vainküla, Kirsti Eesti Ekspress 2024 <https://dea.digar.ee/article/eestiekspress/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

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

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Mikli, Valdek; Adoberg, Eron; Vagiström, Heinar; Kübarsepp, Jakob; Peetsalu, Priidu** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.20> <https://www.scientific.net/KEM.799.20> https://www.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.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.; **Primets, Jaanis; Tõkke, Siim; Väli, B.; Shirokova, Veroonika; 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](#)

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 [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 [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 <https://doi.org/10.1088/1757-899X/1296/1/012022>

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 TiB₂-TiB-TiN lattices by selective laser melting

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

Biomass-derived graphene-like catalyst material for oxygen reduction reaction

Kaare, Kätlin; Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsh, Aivars; Niaura, Gediminas; Tamasauskaitė-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 Viruses

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](#)

Biomimicry and novel structures : advancing the design paradigm of bone implants = Biomimikri ja uudsed struktuurid : luuimplantaatide disainiparadigma edendamise

Rezapourianghahfarokhi, Mansoureh 2024 https://www.ester.ee/record=b5667691*est <https://digikogu.taltech.ee/et/Item/7c3aec59-9566-41cb-b59d-b896fa72100e> <https://doi.org/10.23658/taltech.9/2024>

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; Kõrbe 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 SrAl₂O₄: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** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : 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** International journal of bioelectromagnetism 2015 / p. 87-89 : ill

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; Traksmäa, Rainer; Hain, Tiina; Gregor, Andre; Triikkel, Andres ACS omega 2023 / p. 29543–29557 : ill <https://doi.org/10.1021/acsomega.3c03286>

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

Leppik, Peep 2020 https://www.ester.ee/record=b5299514*est

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](#)

Cermets with Fe-alloy binder : a review

Kübarsepp, Jakob; Juhani, Kristjan International journal of refractory metals and hard materials 2020 / art. 105290, 25 p. : ill
<https://doi.org/10.1016/j.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

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>

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>

Cluster approach in organization of transportation in the Baltic Sea Region

Nežerenko, Olga; Koppel, Ott; Tuisk, Tarmo Transport 2017 / p. 167-179 : ill <http://dx.doi.org/10.3846/16484142.2014.994225>

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>

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

Khoshshima, 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.appt.2020.05.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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://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. 0996-1001 : ill <https://dx.doi.org/10.2507/28th.daaam.proceedings.138>

Combination of SLM-SPS approaches for tribological, antibacterial and biomaterial applications = Kombeeritud 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>

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>

Combustion synthesis of MoSi₂ 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; Zurnachyan, 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

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://fmtdk.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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.345>

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
<http://dx.doi.org/10.4028/www.scientific.net/KEM.721.436>

Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB₂ 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
<http://dx.doi.org/10.4028/www.scientific.net/SSP.267.224>

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

Tkachivskyi, Dmytro; Viljus, Mart; Traksmas, Rainer; Antonov, Maksim; Surženkov, Andrei; Juhani, Kristjan; Kulu, Priit 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](#)

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](#)

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 mechanical and antibacterial properties of TiO₂/Ag ceramics and Ti6Al4V-TiO₂/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, Priit; 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, Priit; 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://fntdk.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://fntdk.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; Solmaz, 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, Pearl; Sokkalingam, Rathinavelu; Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e146, 7 p. : ill <https://doi.org/10.1002/mdp2.146> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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://fntdk.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/AABBI1Gbrf0_t8IM7Kho8KmVa?dl=0&preview=Transport+mens+2017+\(Part+3\).pdf](https://www.dropbox.com/sh/7sjhe2ln3e3qin6/AABBI1Gbrf0_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 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at Scopus](#)

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

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

Concept 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

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.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, Veroonika; 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))

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

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 ZnAl₂O₄ 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>

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

Cross-cultural differences in pedestrian behaviors in relation to values : a comparison of five countries
Solmaz, Gaye; Azık, Derya; Fındık, Gizem; Üzümcüoğlu, Yeşim; **Pashkevich, Anton; Pashkevich, Maria** Accident analysis & prevention 2020 / art. 105459 <https://doi.org/10.1016/j.aap.2020.105459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 Zr₆₅Cu₂₅Ni₅Ag_{2.5}Al_{2.5} glass
Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e137, 10 p. : ill
<https://doi.org/10.1002/mdp2.137> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Curricula updates through students' participation in international competition
Valme, Daniil; Belolipetskaja, Diana; Rassölkin, Anton; Leoste, Janika; Rüütmann, Tiia 15th International Conference on Robotics in Education (RiE 2024) 2024

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>

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 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>

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

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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.425>

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: kihutamine linnades on probleem [Võrguväljaanne]

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

Damping of acoustic waves in straight ducts and turbulent flow conditions

Tiikoja, Heiki; Auriemma, 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 <http://dx.doi.org/10.4271/2016-01-1816>

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 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>

Deep-ultraviolet emitter : rare-earth-free ZnAl₂O₄ 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>

Densification of the eggshell powder by spark plasma sintering

Shukla, Riddhi; Sokkalingam, Rathinavelu; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2023 / art. 171079 <https://doi.org/10.1016/j.jallcom.2023.171079>

Densification of the eggshell powder by spark plasma sintering

Shukla, Riddhi; Rathinavelu, Sokkalingam; Kollo, Lauri; Prashanth, Konda Gokuldoss Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 56 l. [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 <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.229>

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) = Estnische 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; Märten, Olev Procedia CIRP 2018 / p. 647-652 : ill <https://doi.org/10.1016/j.procir.2018.03.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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

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

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.eester.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>

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>

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 <http://dx.doi.org/10.3846/16487788.2016.1168007>

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>

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>

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>

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

optimeerimine
Snatkin, Aleksei 2016

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

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 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.vttresearch.com/sites/default/files/pdf/technology/2019/T357.pdf>

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 aspen bleached chemithermomechanical pulp towards nanostructure = Haava pleegitatud keemilis-termilise puitmassi töötlemine nanostruktuuride saamiseks

Kärner, Kärt 2018 <https://digi.lib.ttu.ee/i/?9947>

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>

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

Simson, Taavi 2018 <https://digi.lib.ttu.ee/i/?9946>

Development of critical thinking and reflection

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

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

Singh, Shalini; Palani, I. A.; Dehghani, 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>

Development of cyber-physical production systems based on modelling technologies

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

Development 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

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://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

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://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>

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 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

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

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

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

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>

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

Digitaalse kaksikuga juhitud logistikarobot Boxbot

Horisont 2021 / lk. 5 : fot 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 2020 / p. 27-28 : ill 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

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 [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

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 : vestlusingis 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

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

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, tehnoloģiju ir ekonomiju īstekļu tarpdisciplinārkuma taikymas karjeras 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

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.jobbe.2023.107748>

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>

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](#)

DTATG study of NiO Reduction by Mg+C combined reducer

Zakaryan, Marieta; Niazan, D.; **Aydinyan, Sofiya**; Kharatyan, Suren Հայաստանի 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

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

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

EBSD 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, R.; Rahmani, Ramin; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Micron 2024 / art. 103613 <https://doi.org/10.1016/j.micron.2024.103613>

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; Sopa, 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>

Eessõna

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

Eessõna

Kulu, Priit Jakob Kübarsepp : bibliograafia 2017 / lk. 7-8 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

Eesti esimese autonoomse sõiduki Iseauto prototüüp on valmis

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

Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85

1921 https://www.ester.ee/record=b5425346*est

Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80

2016 https://www.ester.ee/record=b4577314*est

Eesti teaduskeel inseneerias

Kübarsepp, Jakob; Kulu, Priit Eesti teaduskeel keelterikkas teadusmaailmas 2020 / lk. 188-211 : ill 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

Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline

ari.geenius.ee 2023 [Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline](#)

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 Al₂O₃-cBN composites

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

Effect of 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>

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>

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

Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; **Antonov, Maksim** Powder metallurgy and metal ceramics 2019 / p. 670-678 : ill <https://doi.org/10.1007/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; Lehmhus, Dirk; **Hussainova, Irina**; Peculevica, Julite; Lisnanskis, Marks; Shishkin, Andrei Materials 2017 / art. 828, p. 1-17 : ill <http://dx.doi.org/10.3390/ma10070828>

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 TiB₂/Ti composites at temperatures up to 900°C

Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Słomka, Edyta; Molenda, Jarosław; **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 AlTi1-xN-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>

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 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 β -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>

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 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>

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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.368>

Effect of solid lubricants on wear of PVD-coated spark plasma-sintered TiB₂/Ti composites

Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Słomka, 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 Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating
Antonov, Maksim; Afshari, Hossein; Baroninš, Janis; Adoberg, Eron; Raadik, Taavi; Hussainova, Irina Tribology international 2018 / p. 500-514 : ill <https://doi.org/10.1016/j.triboint.2017.05.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of the laser processing parameters on the selective laser melting of TiC–Fe-based cermets
Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Journal of manufacturing and materials processing 2022 / art. 35, 11 p. : ill <https://doi.org/10.3390/jmmp6020035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC–CrB2 coating
Umanskyi, O.; Storozhenko, M.; **Antonov, Maksim**; Terentyev, O.; Koval, O.; **Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 37-42 : ill https://www.ester.ee/record=b5235278*est <https://www.scientific.net/KEM.799.37> <https://doi.org/10.4028/www.scientific.net/KEM.799.37> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites
Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502
<https://doi.org/10.1016/j.jallcom.2022.166502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of TiB2 particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting
Xi, L.; Wang, P.; **Prashanth, Konda Gokuldoss**; Li, H. Journal of alloys and compounds 2019 / p. 551-556 : ill
<https://doi.org/10.1016/j.jallcom.2019.01.327> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering
Karimi, Javad; Antonov, Maksim; Prashanth, Konda Gokuldoss Metallurgical and Materials Transactions A 2022 / p. 4004-4010
<https://doi.org/10.1007/s11661-022-06805-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effective tools and models for engineering faculty MasteryTeaching supporting meaningful learning
Rüütman, 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>

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.ttk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20\(15.11\).pdf](http://eprints.ttk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20(15.11).pdf)
http://www.ester.ee/record=b4571864*est

Eksperthinnanguks murtakse vahel ka raudteerelsse

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

Eksperthinnanguks murtakse vahel ka raudteerelsse

https://www.ester.ee/record=b4750061*est 2023 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

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 2024 / 8 p. : ill <https://doi.org/10.1007/s12008-023-01659-0>

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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.414>

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

Alinejadian, Navid; Kazemi, Sayed Habib; Kollo, Lauri; Grossberg-Kuusk, 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

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>

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

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>

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

Mohanty, Shalini; Jamal, Naghma; 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>

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 mõõtmelt väiksema vannitoa suurune ja 5,5 tonni kaaluv tööpink?

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

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; Eerne, 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

Empowering synergy dynamics in chaos control in hierarchical teamwork

Källo, Rommi; Eerne, 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

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

Märss, Tiit; 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 <https://doi.org/10.3390/s23156783>

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

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

Energy efficiency evaluation method for mobile robot platform design = Liikuva robotplatvormi energia efektiivsuse hindamise meetod

Väljaots, Eero 2017 <https://digi.lib.ttu.ee/i/?7414>

Energy efficiency profiles for unmanned ground vehicles

Väljaots, Eero; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2019 / p. 55-65 : ill
<https://doi.org/10.3176/proc.2019.1.04> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Rüütman, 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

Rüütman, 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

Enhanced optical and thermal conductivity properties of barium titanate ceramic via strontium doping for thermo-optical applications

Tihh, 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>

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 BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.173> <https://www.scientific.net/KEM.799.173> https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

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 ZnAl₂O₄: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 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

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

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>

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

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>

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_Abstacts_WebFinal.pdf

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

Esimene Eesti maakond läbib digiauditi

1. juulist kehtima hakkavatest elektri võrgutasudest

Rajangu, Väino Elektriala 2017 / lk. 32 http://www.ester.ee/record=b1240496*est

1. novembrist kehtima hakkavatest elektri võrgutasudest

Rajangu, Väino Elektriala 2017 / lk. 28-29 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; Lupp, 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 [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

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 [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/tjt-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 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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 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>

Evaluation of Haar wavelet method in engineering applications

Kirs, Maarjus; Tungal, 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

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 <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.212>

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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.404>

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 <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.185>

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; Heczel, Anita; Gubicza, Jeno 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

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; **Tiikaja, 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. NCAD2018-61116, pp. V001T06A002, 8 p. : ill <https://doi.org/10.1115/NCAD2018-61116>

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; Õunapuu, 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>

Experimental modal analysis of maritime composite panel

Gavrijaševa, Alina; Märten, 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

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

Experimental synergetics

Reedik, Vello Socio-technical synergetics 2024 / p. 16-21 : ill https://www.ester.ee/record=b5651350*est

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

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, Ramin; Karimi, Javad; Kamboj, Nikhil; Kumar, Rahul; Brojan, Miha; Tchórz, Adam; Skrabalak, Grzegorz; Lopes, Sérgio Ivan Diamond and related materials 2023 / art. 109916 <https://doi.org/10.1016/j.diamond.2023.109916>

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.jobbe.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>

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.ijrmhm.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-CeO₂ catalyst : synthesis, structure and properties in propane pre-reforming

Potemkin, D. I.; **Aghayan, Marina; Kamboj, Nikhil Kumar; Hussainova, Irina** Materials letters 2018 / p. 35-37 : ill
<https://doi.org/10.1016/j.matlet.2017.12.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fibrous alumina-based Ni-MO_x (M= Mg, Cr, Ce) catalysts for propane pre-reforming

Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar; Snytnikov, P.V.; Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill
<https://doi.org/10.1016/j.matlet.2019.126741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fiducial 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>

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; **Körbe 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](#)

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

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 2021 / p. 373 <https://doi.org/10.3176/proc.2021.4.01>

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

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/tjt-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 Mg₂Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling

Seth, Prem Prakash; **Singh, Neera**; Singh, Manoj; Prakash, Om; Kumar, Devendra Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Framework for continuous improvement of production processes

Sahno, Jevgeni; Ševtšenko, Eduard; Karaulova, Tatjana; Tahera, Khadija Inžinerine 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; Tungal, 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 [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/10.1063/12.0019668>

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

Tihti, 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>

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**; Karpinen, 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](#)

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>

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

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 TiB₂ 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>

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; Õnapuu, 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 teadustava

2017 http://www.eester.ee/record=b4761000*est https://www.eetika.ee/sites/default/files/www_ut/hea_teadustava_trukis.pdf

Heat conductive plates from recycled niobium slag

Kulu, Priit; Goljandin, Dmitri; Viljus, Mart; Traksmäa, 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>

Hierarchically structured functional ceramic composites with graphene augmented nanofibers = Hierarhiliselt struktureeritud funktsionaalsed keraamilised komposiidid grafeenlisandiga nanokiududega

Saffarshamshirgar, Ali 2021 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; Kūbarsepp, Jakob; Juhani, Kristjan; Kolnes, Märt; Viljus, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill <https://www.scientific.net/KEM.799.136> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.136> [Conference proceeding at Scopus](#) [Article at Scopus](#)

High 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.ttu.ee/i/?9114>

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; AlOgab, 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 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 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 Al₂O₃/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; Spychalski, Maciej; Kulik, Tadeusz; Eckert, Jürgen Material design & processing communications 2021 / art. e211 <https://doi.org/10.1002/mdp2.211> [Journal metrics at Scopus](#) [Article at Scopus](#)

Higher order Haar wavelet method for vibration analysis of 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; Eerme, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab <https://doi.org/10.1016/j.mtcomm.2020.101290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction

Kaare, Kätlin; Yu, Eric; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsk, Aivars; Dyck, Alexander; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenberg, 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 Estefanía; Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; **Hussainova, Irina** Ceramics international 2023 <https://doi.org/10.1016/j.ceramint.2022.12.190>

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 Al₂O₃/ta-C coating

Alamgir, Asad; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümkmann, 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 Al₂O₃/a-C:H:Si coating in ambient air

Podgurski, Vitali; **Alamgir, Asad**; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Danilson, Mati**; **Sergejev, Fjodor**; Lümkmann, 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/nAlCo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate

Alamgir, Asad; **Yashin, Maxim**; **Bogatov, Andrei**; **Viljus, Mart**; **Traksmas, Rainer**; Sondor, Jozef; Lümkmann, 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

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

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

Tkachivskyi, 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](#)

Hüperspektraalsensorika rakendamise 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

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.; Razzaq, Luqman; Mujtaba, M. A.; Nawaz, Saad; Kalam, M. A.; Soudagar, Manzoore Elahi M.; **Hussain, Abrar;** Veza, Ibbam; 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; Yagodzinsky, 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; Käämbre, 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; **Saarna, 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.; Garcia-Carrodegua, R.; Fook, M. V. L.; **Rojas Hernandez, Rocio Estefania;** Rodriguez, M. A. Cerâmica 2023 / p. 17-22 <https://doi.org/10.1590/0366-69132023693893379>

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

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

Salman, O. O.; Brenne, F.; Niendorf, 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 <https://doi.org/10.3176/proc.2019.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implementation of Digital Twins for electrical energy conversion systems in selected case studies

Rassõlkin, Anton; Orosz, Tamas; **Demidova, Galina;** Kuts, Vladimir; **Rjabtšikov, Viktor;** Vaimann, Toomas; **Kallaste, Ants** Proceedings of the Estonian Academy of Sciences 2021 / p. 19-39 : ill <https://doi.org/10.3176/proc.2021.1.03> <https://doi.org/wp->

[content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf](#) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementation of 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>

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, Jämeda 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 BaTiO₃ 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>

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.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_starpdisciplinarit_ates_istenosanai https://www.eester.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 mokymas = 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-Kuusk, 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; Kõrbe Kaare, Kati; Koppel, Ott International journal of energy 2014 / p. 1-7

Improving the city's transport system sustainability by making an 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.jirmhm.2019.105171> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In situ Mo(Si,Al)₂-based composite through selective laser melting of a MoSi₂-30 wt.% AlSi10Mg 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 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

Nõmmela, Kaidi; Kõrbe 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; Märtens, Olev; Viljus, Mart Welding in the World 2020 / p. 563–571 <https://doi.org/10.1007/s40194-020-00854-x> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 2023 / 17 p. : ill <https://doi.org/10.1177/07316844231164563>

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](#)

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 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 technologies as enablers of Lean and Agile Supply Chain Strategies : an exploratory investigation

Raji, Ibrahim; 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 birch false heartwood on the physical and mechanical properties of wood-plastic composites

Kallakas, Heikko; Ayansola, Gbenga; Tumannov, 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; Zhrebtsov, 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](#)

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.jplas.2018.05.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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

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>

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://dea.digar.ee/publication/AKmenteetmanu>

Inimese roll logistikas kasvab kriisi ajal jõudsalt : intervjuu

Janno, Jelizaveta Äripäev 2020 / lk. 26-27 : portr 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 [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 <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

Inseneride ja tehnikaerialade spetsialistide puudust saab leevendada pädevate reaallaineõpetajate koolitamisega

Rüütmann, Tiia Elektriala 2023 / lk. 8-9 : fot 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

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
<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

Insenerihariduse suundumusi ja inseneripedagoogika olulisus

Rüütmann, 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

Rüütmann, Tiia 2019 https://www.ester.ee/record=b5179475*est

Inseneripedagoogika : STEM valdkonna õppeainete mõjus õpetamine ja õppimine

Rüütmann, Tiia 2019 https://www.ester.ee/record=b5179473*est

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](#)

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

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://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 (RTU CON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [8] p. : ill <http://dx.doi.org/10.1109/RTU CON.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 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://doi.org/10.4028/www.scientific.net/KEM.799.89> [Conference proceeding at Scopus](#) [Article at Scopus](#)

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>

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://taltech.ee/avalehekulg/?category=128006#newsTabsMenu> 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

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.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

Isejuhtivad autod tulevad, ent dilemmad tahavad lahendamist

Vask, Pille; **Sell, Raivo** Äripäev 2019 / lk. 10

Isejuhtivad sõidukid tulevad. Kas oleme selleks valmis?

Sell, Raivo Sirp 2019 / lk. 34-36 : fot 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

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 [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.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html

Jan Amos Komenský (Comenius) – rahvaste õpetaja

Läänemets, Urve; **Rüütmann, 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

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

Jätkuv autostumine muudab linnatänavad liiklusterudeks [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2020 / fot [Jätkuv 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

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://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

Kas Tesla fenomenist on Eestil midagi õppida?

Sell, Raivo Postimees 2018 / AK, lk. 6-7

Kassari lahe punavetika (*Furcellaria lumbricalis*) biomassi töötlusjäätide uued rakendused :

Keskkonnainvesteeringute Keskuse projekt nr. 11247 [Võrguväljanne]

Kallavus, Urve 2018 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](#)

Kati Kõrbe ja Jelizaveta Janno : infovoost vaktsiinide tarneahelas [Võrguväljanne]

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](#)

Keevisõbluste 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

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

Keevitamine ja külgnevad protsessid [Võrguteavik] : keevitusasendid = Welding and allied processes : welding positions (ISO 6947:2019)

2019 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

Keevitamine [Võrguteavik] : metallmaterjalide tihvtkaarkeevitus = Welding : arc stud welding of metallic materials (ISO 14555:2017)

2021 https://www.ester.ee/record=b5455705*est

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

Keevitus [Võrguteavik] : juhised eelkuumutustemperatuuri, läbimitevahelise temperatuuri ja eelkuumutuse hoidmistemperatuuri määramiseks = 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

Keevitustehnoloogia

Laansoo, Andres 2021 https://www.ester.ee/record=b5461458*est

Kermiste mikrostruktuur

Kolnes, Märt; Tarraste, Marek Horisont 2017 / lk. 20-21 : ill http://www.ester.ee/record=b1072243*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

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

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 <http://www.maastikuarhitektuur.ee/index.php/acta/article/view/61/37>

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

Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-23 https://www.ester.ee/record=b4750061*est

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

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

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

Kriisi lõppu ei oska keegi ennustada

Janno, Jelizaveta Äripäev 2020 / Lk. 27 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

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

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>

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)₂ – based composite for elevated temperature applications

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina Journal of alloys and compounds 2021 / art. 161034 <https://doi.org/10.1016/j.jallcom.2021.161034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser processing of liquid feedstock plasma-sprayed lithium titanium oxide solid-state-battery electrode

Hasani, Arman; Luya, Mathis; Kamboj, Nikhil Kumar; Nayak, Chinmayee; Joshi, Shrikant V.; Salminen, Antti; Goel, Sneha; Ganvir, Ashish Coatings 2024 / art. 224 <https://doi.org/10.3390/coatings14020224>

Laskemoonalao riskianalüüsi metoodika 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.ernet.ee/record=b2876205*est

Lattice of MoSi₂/Si₃N₄ 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

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

Auer, Michael E.; Pachatz, Wolfgang; **Rüütman, Tiia** 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

Auer, Michael E.; Pachatz, Wolfgang; **Rüütman, Tiia** 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; Malayjerdi, 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.; García, Jose E. Applied materials today 2023 / art. 101838 <https://doi.org/10.1016/j.apmt.2023.101838>

Lightweight 3D printed Ti6Al4V-AlSi10Mg 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

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

Liiklusrikkujate veapunktiüsteem on jäänud kalevi alla

Voltri, Johannes err.ee 2023 [Liiklusrikkujate veapunktiüsteem on jäänud kalevi alla](#)

Liiklusuuring : 20 aasta pärast tuleb istuda Piritä teel ummikus kaks korda kauem [Võrguväljaanne]

Ojajets, Indrek novaator.err.ee 2020 / fot [Liiklusuuring: 20 aasta pärast tuleb istuda Piritä 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.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

Linnamööblist

Pärn, Martin Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 313-314 : ill 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>

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

Logistika on vaksineerimise pudelikael

Kõrbe, Kati Postimees 2020 / Lk. 15 : portr <https://dea.digar.ee/article/postimees/2020/12/07/13.6> Kati Kõrbe: 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

Loodusseadused kehtivad ka vee all : [TTÜ autotehnika professori Jüri Lavrentjevi sukeldumishuvist]

Lavrentjev, Jüri Mente et Manu 2016 / lk. 16-17 : fot

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

Lugeja küsib : kas pikem pikivahe päästab Tallinna ummikutest? : [Võrguväljaanne]

Ess, Juri novaator.err.ee 2019 [Lugeja küsib: kas pikem pikivahe päästab Tallinna ummikutest?](https://novaator.err.ee/2019/07/11/lugeja-kusib-kas-pikem-pikivahe-paastab-tallinna-ummikutest/)

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**; Soppu, Daniel; Eckert, Jürgen 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 2022 / art. 7152 <https://doi.org/10.3390/s22197152> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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, Virko pealinn.ee 2023 [Madalam sõidukiirus julgustab siia kolima väikeste lastega peresid](https://pealinn.ee/2023/07/11/madalam-soidukiirus-julgustab-siia-kolima-vaikeste-lastega-peresid/)

Magnesio-carbothermal reduction of CuW₄/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 : [vestlusring maksude teemal]

Vare, Tõnis; Meybaum, Hallar; **Ploompuu, Triin** TööstusEST 2016 / lk. 18-22 : fot

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; 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

Marti Arak : TTÜ Robotex peab 2020. aastaks saama maailma suurimaks robotivõistluseks!
Arak, Marti Mente et Manu 2016 / lk. 30-33 : fot

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

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

Masinatööstuse erialaliidud Eestis (EML 80)
Höbemägi, 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

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

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

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
<http://dx.doi.org/10.2495/MC170101>

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>

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; Sopu, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 <https://doi.org/10.1016/j.scriptamat.2022.114575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical and tribological properties of 100-nm thick alumina films prepared by atomic layer deposition on Si(100) substrates

Alamgir, Asad; Bogatov, Andrei; Yashin, Maxim; Podgurski, Vitali Proceedings of the Estonian Academy of Sciences 2019 / p. 126-130 : ill <https://doi.org/10.3176/proc.2019.2.01> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-126-130.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical 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 MoO3 and CuO by combined Mg/C reducer at high heating rates

Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill <https://doi.org/10.3390/jcs5120318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L

Kumar, Deepak; Jhavar, Suyog; Arya, Abhinav; **Prashanth, Konda Gokuldoss**; Suwas, Satyam International journal of fracture 2022 / p. 61-78 <https://doi.org/10.1007/s10704-021-00574-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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.; Lehmkus, 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 lõbu : katselabor aitab kehvast materjalist praaktoodangu juba eos välistada

Alvela, Ain postimees.ee 2023 [Metalli raiskamine on kallis lõbu: 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>

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

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

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

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

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

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

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 2018 / p. 46–58 : ill <https://www.tiedekirja.fi/default/fennoscandia-archaeologica-xxiv.html>

Metalsete 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

Metalsete materjalide keevisõmbuste purustav katsetamine : keevisõmbuste 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

Metalsete materjalide keevisõmbuste purustav katsetamine [Võrguteavik] : paindekatse = 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

Metalsete materjalide purustavad katsetused [Võrguteavik] : murdekatse = Destructive tests on welds in metallic materials : fracture test (ISO 9017:2017)

2018 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 / 7 p

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>

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 2023 <https://doi.org/10.1016/j.ceramint.2023.12.186>

Microstructural homogenisation of selective laser melted Ti6Al4V and CoCrFeMnNi high-entropy alloys = Selektiivse lasersulatuse teel valmistatud Ti6Al4V ja kõrgentroopse 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

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 l. [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/10.1177/002198319856679> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiBx composite doped with Ni-Bi
Kumar, Rahul, 1993-; Torres, Hector; Aydynyan, 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 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>

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://fmdtk.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>

Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing
Singh, Shalini; Jinoop, A. N.; Palani, Iyampuram Anand; Paul, Christ Prakash; Tomar, K. P.; Prashanth, Konda Gokuldoss Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites
Xie, M.S.; Wang, Zhi; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.152317> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and 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>

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.jrmhm.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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.467>

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

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

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

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.jrmhm.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>

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>

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>

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder

Kolnes, Märt; Mere, Arvo; Kübarsepp, Jakob; Viljus, Mart; Maaten, Birgit; Tarraste, Marek Powder metallurgy 2018 / p. 197-209 : ill <https://doi.org/10.1080/00325899.2018.1447268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure formation and 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>

Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites

Juhani, Kristjan; Kübarsepp, Jakob; Tarraste, Marek; Pirso, Jüri; Viljus, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.131> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Microstructure, 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>

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

Mida millestki teha saaks

Lõhmus, Ants; **Kübarsepp, Jakob** Jakob Kübarsepp : bibliograafia 2017 / lk. 52-63 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

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

Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi

Salmi, Mika digi.geenius.ee 2024 [Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi](#)

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](#)

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."](#)

Miks soovib Eesti jääda anonüümseks?

Rajangu, Väino Postimees 2017 / lk. 15

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 (SAMI) : Poprad, Slovakia, 2-5 March 2022 2022 / p. 473-478 : ill <https://doi.org/10.1109/SAMI54271.2022.9780755>

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>

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](#)

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://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 [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>

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://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 Cu₂CdSnS₄ 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>

Modular smart control system architecture for the mobile robot platform

Sell, Raivo; Väljaots, Eero; Patariaia, Tengiz; Malayjerdi, Ehsan Proceedings of the Estonian Academy of Sciences 2019 / p. 395-400 : ill http://www.kirj.ee/32713/?tpl=1061&c_tpl=1064 <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)₂ by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi₂

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2022 / art. 131041
<https://doi.org/10.1016/j.matlet.2021.131041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mo(Si1-x,Alx)2-based composite by reactive laser powder-bed fusion

Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Volobujeva, Olga; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2020 / art. 128776, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.128776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MoSi2 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>

MoSi2 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

MoSi2-based composites by selective laser melting = Selektiivse lasersulatuse teel valmistatud MoSi2 baasil komposiidid

Minasyan, Tatevik 2020 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; Rōbak, Dmitri; Penkov, Igor Mechatronics systems and materials 2018 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 : Manufuture 2017, Tallinn : 24-25 October, 2017 Tallinn University of Technology

Otto, Tauno 2017 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, Oluwale 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](#)

Mängud lennuki tagatiiva disainiga : [ka doktorant Peep Laugu kommnetaarid]

Kangur, Paavo Inseneeria 2017 / lk. 40-43 : fot http://www.ester.ee/record=b2336521*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

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, Tbilisi, Georgia : Book of Abstracts 2017 / p. 175-176 : ill 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.jirmhm.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

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 <http://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-Łukasik, J.; Podsiadło, M.; Novak, P.; **Holovenko, Y.** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A new 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/ii/?12286> [Doktoritöö pakub lahenduse, mis vähendab lennuki kütusekulu kümnendiku jagu](#)

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

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; Iyemperumal, 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 TiB₂-Si₃N₄ 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 TiB₂-Si₃N₄ 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 fabricate Si₃N₄ 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/CeB₆ 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>

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 robottootmisrakkude sidustamiseks targa tööstuse keskkonnas

Kuts, Vladimir 2019 <https://digi.lib.ttu.ee/i/?12252> [Tehnikaülikooli doktoritöö tõhusas 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 manufacturing 2023 2024 / art. 040009 <https://doi.org/10.1063/5.0189204>

A novel route for the preparation of TiB₂/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://fmttk.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](#)

Novel welding of Al_{0.5}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 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

Nutikorsett aitab vildakselgust ravida

Imeline Teadus 2022 / lk. 23 https://www.ester.ee/record=b2747925*est

Nüüdistootmine : kõrgkooliõpik

Hermaste, Aigar; Karjust, Kristo; Kioline, 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

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 : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

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

Occupational qualification standard for truck drivers as a risk management tool in road transportation of dangerous goods

Janno, Jelizaveta; Koppel, Ott Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 2 2021 / p. 277-288 https://doi.org/10.1007/978-3-030-68201-9_29 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ohtlike veoste tegelikkus ja ohud

Saarmann, Tanel Teeleht 2019 / lk. 33-35 : fot https://www.ester.ee/record=b1073043*est 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

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

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 <http://dx.doi.org/10.1016/j.compositesb.2015.06.008>

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>

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; Mür, 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>

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>

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties

Küünal, Siim; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima; Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 <https://doi.org/10.1088/1757-899X/613/1/012003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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 <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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.351>

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

Overview of hard cyclic viscoplastic deformation as a new SPD method for modifying the structure and properties of niobium and tantalum

Kommel, Lembit Nanotechnology and advanced material science 2024 / 15 p <http://doi.org/10.31038/NAMS.2024721>

Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; **Maaten, Birgit; Antonov, Maksim; Hussainova, Irina** International journal of refractory metals and hard materials 2017 / p. 244-251 : ill <https://doi.org/10.1016/j.jrmhm.2017.03.019>

Paberkananja jäägu minevikku

Janno, Jelizaveta Äripäev 2020 / Lk. 12 : portr https://www.ester.ee/record=b2122331*est
<https://dea.digar.ee/article/aripaev/2020/04/02/15.1>

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

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

Parametric digital twin of autonomous electric vehicle transmission

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants; Partyshev, Andriy Journal of machine engineering 2021 / p. 5–14 <https://doi.org/10.36897/jme/134435> [Journal metrics at Scopus](#) [Article at Scopus](#)

Parametric optimization of selective laser melted 13Ni400 maraging steel by Taguchi method

Patil, Viraj Vishwas; Mohanty, Chinmaya P.; **Prashanth, Konda Gokuldoss** Journal of manufacturing and materials processing 2024 / art. 52 <https://doi.org/10.3390/jmmp8020052>

Parametric study on in situ Laser powder bed fusion of Mo(Si1-x,Alx)2

Minasyan, Tatevik; Aydinyan, Sofiya; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 4849, 17 p. : ill <https://doi.org/10.3390/ma13214849> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Partii päikesepaneele võib hukka minna ka paari liigse soojakraadiga

Harrik, Airika novaator.err.ee 2023 [Partii päikesepaneele võib hukka minna ka paari liigse soojakraadiga](#)

Partners selection tool for virtual enterprise in SMEs network = Partnerite valiku metoodika virtuaalettevõtetele VKE-de võrgustikus

Poljantšikov, Igor 2016

PCL/Si-doped multi-phase calcium phosphate scaffolds derived from cuttlefish bone

Ressler, Antonia; Bauer, Leonard; Prebeg, Teodora; Ledinski, Maja; **Hussainova, Irina;** Urlic, Inga; Ivankovic, Marica; Ivankovic, Hrvoje Materials 2022 / art. 3348 <https://doi.org/10.3390/ma15093348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Peculiarities of microstructure evolution and property changes of titanium alloys in situ during electric forging

Kommel, Lembit Materials performance and characterization 2020 / p. 75–88 : ill <https://doi.org/10.1520/MPC20190109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance analysis of a flexible manufacturing system (FMS)

Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard Procedia CIRP 2017 / p. 424–429 : ill <https://doi.org/10.1016/j.procir.2017.03.123>

Performance evaluation by using overall equipment effectiveness (OEE) : an analyzing tool

Mahmood, Kashif; Otto, Tauno; Ševtšenko, Eduard; Karaulova, Tatjana International Conference on Innovative Technologies : IN-TECH 2016 : Prague : proceedings 2016 / p. 185–188 : ill http://www.in-tech.info/download/INTECH_2016_proceedings.pdf

A Performance evaluation concept for production systems in an SME network

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

Performance measurement and KPI evaluation for engineering design team in SME

Kaganski, Sergei; Paavel, Marko International journal of engineering innovation and research 2015 / p. 262–267 : tab <http://www.ijeir.org/index.php/issue?view=publication&task=show&id=451>

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

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

Performance of Al2O3-cBN materials and the perspective of using hyperspectral imaging during cutting tests

Antonov, Maksim; Zahavi, Ali; Kumar, Rahul, 1993-; Tamre, Mart; Klimczyk, Piotr Proceedings of the Estonian Academy of Sciences 2021 / p. 524–532 : ill <https://doi.org/10.3176/proc.2021.4.21> [Journal Metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of Al2O3-cBN materials and the perspective of using hyperspectral imaging during cutting tests

Antonov, Maksim; Zahavi, Ali; Kumar, Rahul, 1993-; Tamre, Mart; Klimczyk, Piotr IOP conference series : materials science and engineering 2021 / art. 012029, 5 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012029>

Performance of ceramic-metal composites as potential tool materials for friction stir welding of aluminium, copper and

stainless steel

Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt; Tarraste, Marek; Viljus, Mart Materials 2020 / art. 1994, 18 p. : ill <https://doi.org/10.3390/ma13081994> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of ceramic-metal composites as tool materials for friction stir welding = Keraamilis-metalsed komposiidid otshöördkeevituse tööriista materjalidena

Kolnes, Mart 2020 https://www.ester.ee/record=b5391663*est <https://digikogu.taltech.ee/et/Item/407d051a-6584-41fe-8c27-2ddcbcd8d902>

Performance of polyimide and PTFE based composites under sliding, erosive and high stress abrasive conditions

Kumar, Rahul, 1993-; Malaval, Bastien; Antonov, Maksim; Zhaoc, Gai Tribology international 2020 / art. 106282

<https://doi.org/10.1016/j.triboint.2020.106282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Perspectives of metal-diamond composites additive manufacturing using SLM-SPS and other techniques for increased wear-impact resistance

Rahmani Ahranjani, Ramin; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss International journal of refractory

metals and hard materials 2020 / art. 105192, 13 p. : ill <https://doi.org/10.1016/j.ijrmhm.2020.105192> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase evolution during high energy cube milling of Ti-6Al-4V-0.5 vol% TiC powders using heptane and tin as process control agents (PCAs)

Kishore Babu, N.; Kallip, Kaspar; Leparoux, Marc Advanced engineering materials 2017 / art. 1600662, p. 1-6 : ill

<http://dx.doi.org/10.1002/adem.201600662>

Phase formation, microstructure and mechanical properties of Mg67Ag33 as potential biomaterial

Kosiba, Konrad; Prashanth, Konda Gokuldoss; Scudino, Sergio Metals 2021 / art. 461, 10 p. : ill

<https://doi.org/10.3390/met11030461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase, microstructure, and wear behavior of Al2O3-reinforced Fe–Si alloy-based metal matrix nanocomposites

Saxena, Akash; Singh, Neera; Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra

Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials

design and applications 2020 / art. 146442071989338, p. 467-480 <https://doi.org/10.1177/1464420719893387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phi 6 bacteriophage inactivation by metal salts, metal powders, and metal surfaces

Molan, Katja; Rahmani Ahranjani, Ramin; Krklec, Daniel; Brojan, Miha; Stopar, David Viruses 2022 / art. 204

<https://doi.org/10.3390/v14020204> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Philosophy and basic principles of international society for engineering pedagogy

Rüütman, Tiia SCHOLA 2016 : proceedings of 12th International Scientific Conference SCHOLA 2016, Pedagogy and Didactics

in Technical Education 2017 / p. 9-20 : ill <https://spark.adobe.com/page/7ohkpMA0ID2W/>

Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy

Rubio-Marcos, Fernando; Del Campo, Adolfo; Ordonez-Pimentel, Jonathan; Venet, Michel; Rojas Hernandez, Rocio Estefania;

Paez-Margarit, David; Ochoa, Diegi A.; Fernandez, Jose Francisco; Garcia, Jose E. ACS applied materials and interfaces ACS

applied materials & interfaces 2021 / p. 20858–20864 <https://doi.org/10.1021/acsami.1c03162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photovoltaic modules, design and manufacturing = Fotoelektrilised moodulid, disain ja tootmine

Tšukrejev, Pavel 2023 <https://doi.org/10.23658/taltech.45/2023> <https://digikogu.taltech.ee/et/Item/a5fe0434-e0d3-4bec-9a61-4444d3d51901>

https://www.ester.ee/record=b5574956*est

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

Lu, Yanglong; Ševtšenko, Eduard; Wang, Yan Journal of computing and information science in engineering 2021 / 031009, 30 p

<https://doi.org/10.1115/1.4050377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pidevtoimelised teisaldusseadmed ja -süsteemid : ohutusnõuded puistematerjalide kinnitatud lintkonveieritele =

Continuous handling equipment and systems : safety requirements for fixed belt conveyors for bulk materials

2023 https://www.ester.ee/record=b5569824*est

Planning and acquisition of real-time production data through the virtual factory in chemical industry

Raamets, Tõnis; Karjust, Kristo; Hermaste, Aigar; Mahmood, Kashif ASME 2021 International Mechanical Engineering

Congress and Exposition 2021 / paper no: IMECE2021-73080, 9 p <https://doi.org/10.1115/IMECE2021-73080>

Planning method for the maintenance and repair of the vehicle fleet based on the life cycle contract

Makarova, Irina; Mukhametdinov, Eduard; Gabsalikhova, Larisa; Pashkevich, Anton; Giniyatullin, Ilmur Transbaltica XI :

Transportation Science and Technology : Proceedings of the International Conference Transbaltica, May 2-3, 2019, Vilnius, Lithuania

Plant mediated synthesis of silver-based nanoparticles and their use as antimicrobial agent in environmentally-friendly applications = Taime ekstrakti abil sünteesitud hõbedal põhinevad nanoosakesed ning nende kasutus antimikroobse vahendina keskkonnasõbralikes rakendustes

Küünal, Siim 2022 <https://doi.org/10.23658/taltech.2/2022> <https://digikogu.taltech.ee/et/Item/c3a53dca-9a76-4356-810f-2d51e44cdbc5>
https://www.ester.ee/record=b5492124*est

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

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

Plate model for 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>

Platinum-free oxygen electrocatalysts and alkaline fuel cell cathodes fabricated from peat

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Härmas, Meelis; Adamso, Anu; Volobujeva, Olga; Aruväli, Jaan; Palm, Rasmus; Lust, Enn Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 61 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

PLM maturity model development and implementation in SME

Paavel, Marko; Karjust, Kristo; Majak, Jüri Procedia CIRP 2017 / p. 651-657 <https://doi.org/10.1016/j.procir.2017.03.144>

Pneumatics laboratory interactive educational experience development

Sandyk, Ivanna; Müür, Margus; Kuts, Vladimir; Bondarenko, Yevhen; Pizzagalli, Simone Luca; Rüütmann, Tiia The 19th international CDIO conference, Trondheim, Norway, 26-29 June 2023 : proceedings - full papers 2023 / p. 144-154 <http://www.cdio.org/knowledge-library/documents/pneumatics-laboratory-interactive-educational-experience-development>

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

Razdan, Rahul; Akbas, Mustafa Ilhan; Sell, Raivo; Bellone, Mauro; Menase, Mahesh; **Malayjerdi, Mohsen** IEEE Access 2023 / p. 28343-28354 <https://doi.org/10.1109/ACCESS.2023.3258681>

Poolteist aastakümnet kõrgharidusreforme TTÜs

Kübarsepp, Jakob Uuele kvaliteedile ja väarikale positsioonile : Tallinna Tehnikaülikool 2000-2015 2018 / lk. 197-217 : ill http://www.ester.ee/record=b4775778*est <https://digi.lib.ttu.ee/i/?10910>

Porous cores in small thermoacoustic devices for building applications

Auriemma, Fabio; Di Giulio, Elio; Napolitano, Marialuisa; Dragonetti, Raffaele Energies 2020 / art. 2941, 19 p. : ill <https://doi.org/10.3390/en13112941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Positioning error correction of autonomously movable robot arm

Vaher, Kristo; Otto, Tauno; Riives, Jüri Journal of the machine engineering 2020 / p. 152-160 : ill <https://doi.org/10.36897/jme/129013> [Journal metrics at Scopus](#) [Article at Scopus](#)

Potential of utilization of renewable energy technologies in Gulf countries

Basha, J. Sadik; Jafary, Tahereh; Vasudevan, Ranjit; Hussain, Abrar Sustainability 2021 / art. 10261, 29 p. : ill <https://doi.org/10.3390/su131810261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Powder metallurgy of Al0.1CoCrFeNi high-entropy alloy

Sokkalingam, Rathinavelu; Tarraste, Marek; Surreddi, Kumar Babu; **Mikli, Valdek;** Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research 2020 / p. 2835-2847 <https://doi.org/10.1557/jmr.2020.272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Practical path planning techniques in overtaking for autonomous shuttles

Malayjerdi, Ehsan; Sell, Raivo; Malayjerdi, Mohsen; Udal, Andres; Bellone, Mauro Journal of field robotics 2022 / p. 410-425 <https://doi.org/10.1002/rob.22057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Precision of simulation models of human lower limb motion

Röbak, Dmitri; Musalimov, Victor; **Arjassov, Gennadi; Penkov, Igor** The 16th International Conference "Mechatronic Systems and Materials" : MSM 2021 July 1, 2021 - July 2, 2021 : abstract book 2021 / p. 9-11 <https://vb.vgtu.lt/object/elaba:100810507/100810507.pdf>

Prediction of abrasive erosion impact wear of composite hardfacings

Kulu, Priit; Casesnoves, Francisco; Simson, Taavi; Tarbe, Riho Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 201-206 <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.201>

Preface

Kulu, Priit Proceedings of the Estonian Academy of Sciences 2019 / p. 125 http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-125.pdf

Preface

Reedik, Vello Socio-technical synergetics 2024 / p. 4-6 https://www.ester.ee/record=b5651350*est

Preface

Auer, Michael E.; **Rüütman, Tiia** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020), Volume 1 (2021) 2021 / p. v-vii <https://link.springer.com/book/10.1007/978-3-030-68198-2> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface

Auer, Michael E.; **Rüütman, Tiia** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020), Volume 2 2021 / p. v-vii <https://link.springer.com/book/10.1007/978-3-030-68201-9> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface : Computational Mechanics

Majak, Jüri; Sciuva, M. D. AIP conference proceedings 2020 / art. 230001 <https://doi.org/10.1063/5.0026521> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Preface of the “Symposium on Numerical Analysis and Optimal Design of Materials and Structures”

Majak, Jüri; Bassir, David AIP Conference Proceedings 2022 / art. 380001 <https://doi.org/10.1063/5.0081481> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface: Computational mechanics. Analysis and design optimization

Majak, Jüri International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018), 13–18 September 2018 2019 / art. 330001 <https://doi.org/10.1063/1.5114339> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Premature failure of an additively manufactured material

Wang, Zhi; Xie, Meishen; Li, Yuanyuan; Zhang, Weiwen; Yang, Chao; **Kollo, Lauri**; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Npg Asia materials 2020 / art. 30, 10 p. : ill <https://doi.org/10.1038/s41427-020-0212-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preparation and characterization of lignin-derived carbon aerogels

Jõul, Piia; Järvik, Oliver; Lees, Heidi; Kallavus, Urve; Koel, Mihkel; Lukk, Tiit Frontiers in chemistry 2024 / art. 1326454 <https://doi.org/10.3389/fchem.2023.1326454>

The preparation of high-entropy refractory alloys by aluminothermic reduction process

Kirakosyan, Hasmik; Nazaretyan, Khachik; Kharatyan, Anahit; **Aydinyan, Sofiya** Modern materials and manufacturing 2023 2024 / art. 040012 <https://doi.org/10.1063/5.0189206>

Preparation of nanosize MO₂C by combining solution combustion synthesis with subsequent F

Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Kharatyan, Suren JTACC+V4 : 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference : June 6–9, 2017, Budapest, Hungary : Book of Abstracts 2017 / p. 58 <https://static.akcongress.com/downloads/jtacc/jtacc2017-book-of-abstracts.pdf>

Pressure-assisted sintering of Al-Gd-Ni-Co amorphous alloy powders

Wang, Zhi; **Prashanth, Konda Gokuldoss**; Surreddi, K. B. Materialia 2018 / p. 157–166 : ill <https://doi.org/10.1016/j.mtla.2018.07.010>

Prioritization of key performance indicators for small and medium enterprises

Kaganski, Sergei; Karjust, Kristo; **Majak, Jüri** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 25-30 : ill <http://innomet.ttu.ee/daaam/>

Problem-based learning contribution to Master’s Studies in logistics and supply chain management

Janno, Jelizaveta; **Kõrbe Kaare, Kati** 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. 492-503 https://doi.org/10.1007/978-3-030-93904-5_49 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia

2016 <http://innomet.ttu.ee/daaam/>

Proceedings of the Estonian Academy of Sciences

Special issue of Modern Materials and Manufacturing 2019

2019 <http://www.kirj.ee/32590/> https://www.ester.ee/record=b2355998*est

Processing of Al-based composite material by selective laser melting: A perspective

Prashanth, Konda Gokuldoss Materials today: proceedings 2022 / p. 498-504 <https://doi.org/10.1016/j.matpr.2022.01.391>
[Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Product lifecycle management maturity model development = Toote elutsükli halduse küpsusmudeli arendus

Paavel, Marko 2018 <https://digi.lib.ttu.ee/i/?9949>

Production intralogistics automation based on 3D simulation analysis

Mahmood, Kashif; Karjust, Kristo; Raamets, Tõnis Journal of machine engineering 2021 / p. 102-115 : ill
<https://doi.org/10.36897/jme/137081> [Journal metrics at Scopus](#) [Article at Scopus](#)

Production monitoring system design and implementation

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

Production monitoring system development for manufacturing processes of photovoltaic modules

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

Production monitoring system with predictive functionality

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

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

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

Production of thermal spray Cr3C2-Ni powders by mechanically activated synthesis

Tkachivskyi, Dmytro; Juhani, Kristjan; Surženkov, Andrei; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Jankauskas, Vytenis; Leišys, Rimtautas 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. 31-36 : ill
<https://doi.org/10.4028/www.scientific.net/KEM.799.31>
https://www.ester.ee/record=b5235278*est <https://www.scientific.net/KEM.799.31> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Productivity improvement by implementing lean production approach

Mahmood, Kashif Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 183-188 : ill

Productivity improvement by implementing lean production approach

Mahmood, Kashif; Ševtšenko, Eduard Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 45-51 : ill

Professional skills for developing supportive learning environments

Rüütman, Tiia; Läänemets, Urve; Kiilu, Kristi; Kalamees-Ruubel, Katrin Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 473-484
https://doi.org/10.1007/978-3-030-68201-9_8 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Professor: Punaseid rattaradu märkab hästi nii autojuht kui ka jalakäija

Antov, Dago Pealinn 2021 / Lk. 4 ["Professor: Punaseid rattaradu märkab hästi nii autojuht kui ka jalakäija"](#)

Professor: Reidi tee ei saanudki ummikute probleemi lahendada [Võrguväljaanne]

err.ee 2019 / fot [Professor: Reidi tee ei saanudki ummikute probleemi lahendada](#)

Professorite ja juhtivteadurite atseteerimise tulemustest ja esimeste tenuuri ametikohtade täitmisest

Veinthal, Renno; Trahov, Tea Mente et Manu 2017 / lk. 26-27 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html

Progress in additive manufacturing of MoS₂-based structures for energy storage applications – a review

Alinejadian, Navid; Kollo, Lauri; Odnevall Wallinder, Inger Materials science in semiconductor processing 2022 / 21 p. : ill
<https://doi.org/10.1016/j.mssp.2021.106331> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Progress in sustainable recycling and circular economy of tungsten carbide hard metal scraps for industry 5.0 and onwards

Kumar, Rahul, 1993-; Kariminejad, Arash; Antonov, Maksim; Goljandin, Dmitri; Klimczyk, Piotr; Hussainova, Irina Sustainability 2023 / art. 12249 <https://doi.org/10.3390/su151612249>

Projekti "Doctoral School of Energy and Geotechnology II" lõpukonverents [Võrguteavik]

Kukuškin, Merili TTÜ mehaanikateaduskonna infokiri 2015 / lk. 5 : fot
[http://innomet.ttu.ee/uudiskiri/TT%c3%9c%20mehaanikateaduskonna%20infokiri%20nr.%2015%20\(m%c3%a4rts%202015\).pdf](http://innomet.ttu.ee/uudiskiri/TT%c3%9c%20mehaanikateaduskonna%20infokiri%20nr.%2015%20(m%c3%a4rts%202015).pdf)

A promising approach to solid-state hydrogen storage : mechanical nanostructuring synthesis of magnesium by high pressure torsion extrusion

Omranpour Shahreza, Babak; Sergejev, Fjodor; Ivanisenko, Julia; Huot, Jacques Advances in science and technology (volume 134) 2023 / p. 43-51 <https://doi.org/10.4028/p-4ccBoQ>

Pronksiajast läbi rauaaja tänapäeva : tina. Plii

Kulu, Priit 2023 https://www.ester.ee/record=b5557615*est

Pronksiajast läbi rauaaja tänapäeva. Hõbe ; Pronksiajast läbi rauaaja tänapäeva. Kuld

Kulu, Priit 2022 https://www.ester.ee/record=b5507862*est

Propeller shrouding influence on lift force of mini unmanned quadcopter

Penkov, Igor; Aleksandrov, Dmitri International journal of automotive and mechanical engineering 2017 / p. 4486-4495 : ill
<https://doi.org/10.15282/ijame.14.3.2017.7.0354>

Propulsion motor drive topology selection for further development of ISEAUTO self-driving car

Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants; Sell, Raivo 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill
<https://doi.org/10.1109/RTUCON.2018.8659887>

Prospects for operational efficiency of European regional airports in passenger air transport = Reisijate lennutranspordi tõhususe väljavaated Euroopa piirkondlikes lennujaamades

Nõmmik, Allan 2020 https://www.ester.ee/record=b5382395*est <https://digikogu.taltech.ee/et/Item/f5636945-bdd7-4f26-9807-dcd9dd3f3768>

Providing Continuous 5G Connectivity along Ferry Lines – Concepts and Trials of 5G-ROUTES Project (Invited paper)

Zaglauer, Helmut W.; Lindenberg, Arturs; Lankinen, Matti; **Kõrbe Kaare, Kati;** Kuhi, Kristjan; Payaro, Miquel 2022 IEEE Future Networks World Forum (FNWF) 2023 / p. 567-572 <https://doi.org/10.1109/FNWF55208.2022.00105>

Puitkonstruktsioonid : tüübeltüüpi kinnitusdetailid : nõuded = Timber structures : dowel-type fasteners : requirements

2023 https://www.ester.ee/record=b5547726*est

Põhjendamatult aeglast sõitu pole olemas, aga taunitav võiks olla põhjendamatult teisi takistav sõit

Antov, Dago Eesti Päevaleht, LP 2018 / lk. 3

Põlva näitab eeskaju

Antov, Dago Lõuna-Eesti Postimees 2022 / Lk. 2 <https://dea.digar.ee/article/lounaestpostimees/2022/04/18/3.2>

Quality assurance - a synergy-based approach

Hindreus, Tiit; Reedik, Vello Socio-technical synergetics 2024 / p. 75-91 : ill https://www.ester.ee/record=b5651350*est

Quality of photovoltaic modules, experimental evaluation and mathematical modelling

Tšukrejev, Pavel; Karjust, Kristo; Majak, Jüri IOP conference series : materials science and engineering 2021 / art. 012044, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012044>

Quasicrystalline composites by additive manufacturing

Prashanth, Konda Gokuldoss; Scudino, Sergio Applied Engineering, Materials and Mechanics III : 4th International Conference on Applied Engineering, Materials and Mechanics (4th ICAEMM 2019) 2019 / p. 72-76 <https://doi.org/10.4028/www.scientific.net/KEM.818.72>
[Conference proceeding at Scopus](#) [Article at Scopus](#)

Rahvusvahelises koostöös valmis uus valikaine õppekava

Poldre, Annika Õpetajate Leht 2023 / Lk. 18 [Rahvusvahelises koostöös valmis uus valikaine õppekava](#)

Raman spectroscopy for reliability assessment of multilayered AlCrN coating in tribo-corrosive conditions [Online resource]

Baroninš, Janis; Antonov, Maksim; Bereznev, Sergei; Raadik, Taavi; Hussainova, Irina Coatings 2018 / art. 229, 12 p. : ill
<https://doi.org/10.3390/coatings8070229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation

Baroninš, Janis; Antonov, Maksim; Bereznev, Sergei; Raadik, Taavi; Hussainova, Irina 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. 9-14 <https://www.scientific.net/KEM.799.9> https://www.ester.ee/record=b5235278*est
<https://doi.org/10.4028/www.scientific.net/KEM.799.9> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Range Sensor Overview and Blind-Zone Reduction of Autonomous Vehicle Shuttles

Gu, Junyi; Chhetri, Tek Raj IOP conference series : materials science and engineering 2021 / art. 012006
<https://doi.org/10.1088/1757-899X/1140/1/012006>

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

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

Rapid prototyping of sheet metal components with incremental sheet forming technology = Lehtmetallist komponentide kiirvalmistuse sammvormimistehnoloogia

Pohlak, Meelis 2007

Raudteekaubaveo tariifi kujunemine ja veotasu arvestamise alused [Võrguväljaanne]

Kirsipuu, Viive; Koppel, Ott Ekspedeerija käsiraamat 2016 / lk. 340-347 : ill
[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

Reaction pathway in the WO₃-NiO-Mg-C system. DTA/TG study

Zakaryan, Marieta; Niazan, O.; Aydinyan, Sofiya; Kharatyan, Suren Chemical Journal of Armenia 2019 / p. 223-232
<http://chemistry.asj-oa.am/id/eprint/7944>

Real-time monitoring of solar modules manufacturing

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

Recent developments on wear and corrosion behavior of iron/iron–nickel metal matrix composites reinforced with zirconia

Singh, Neera; Jha, Pushkar; Parkash, Om; Kumar, Devendra Transactions of the Indian Institute of Metals 2019 / p. 2151–2158 : ill
<https://doi.org/10.1007/s12666-019-01683-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recycling of niobium slag by disintegrator milling

Kulu, Priit; Goljandin, Dmitri; Külaviir, Jaan; **Hain, Tiina;** Kivisto, 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. 97-102 : ill
<https://www.scientific.net/KEM.799.97> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.97>
[Conference proceeding at Scopus](#) [Article at Scopus](#)

Recycling of secondary raw materials for the production of new composite products: a devulcanised crumb rubber case study

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kristine, I.; Goljandin, Dmitri 11th International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 130 https://www.ester.ee/record=b5347289*est

Recycling of waste printed circuit boards by mechanical milling

Goljandin, Dmitri; Kulu, Priit; Klauson, Aleksander; Antonov, Maksim Proceedings of the Estonian Academy of Sciences 2024 / p. 43-49 <https://doi.org/10.3176/proc.2024.1.05>

Reduction mechanism of WO₃ + CuO mixture by combined Mg/C reducer : non-isothermal conditions - high heating rates

Aydinyan, Sofiya; Nazaretyan, Khachatur; Zargaryan, A.G.; Tumanyan, M.E.; Kharatyan, Suren Journal of thermal analysis and calorimetry 2018 / p. 261–269 : ill <https://doi.org/10.1007/s10973-018-6985-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reduction-based engineering of three-dimensional morphology of Ni-rGO nanocomposite

Alinejadian, Navid; Nasirpour, Farzad; Yus, Joaquin; Ferrari, Begona Materials Science and Engineering : B 2021 / art. 115259

Regression models and fuzzy logic prediction of TBM penetration rate

Vu, Trieu Minh; Katušin, Dmitri; Antonov, Maksim; Veinthal, Renno Open engineering 2017 / p. 60-68 : ill <https://doi.org/10.1515/eng-2017-0012>

Reidi tee vastased, miks te hirmutate inimesi?

Rajangu, Väino Postimees 2017 / lk. 19

Reidi tee võib siiski tulla algul plaanitud laiusega

Gnadenteich, Uwe; **Antov, Dago** Postimees 2019 / lk. 5 [Reidi tee võib siiski tulla algse laiusega](#)

Reinforcement of engineering pedagogical competencies of engineering faculty members and doctoral students

Rüütman, Tiia Land Economy and Rural Studies Essentials: Proceedings of the Conference on Land Economy and Rural Studies Essentials (LEASECON 2021), 10-11 May, 2021, Omsk State Agrarian University, Omsk, Russia 2022 / p. 722-734 <https://doi.org/10.15405/epsbs.2022.02.90>

Relation between self-organization and wear mechanisms of diamond films

Podgurski, Vitali; Bogatov, Andrei; Yashin, Maxim Entropy 2018 / art. 279, 16 p. : ill <https://doi.org/10.3390/e20040279> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reliability aspects of PVD coatings sliding under wear and corrosive conditions = PVD pinnete töökindluse aspektid liughõõrdumise ja korrosiooni tingimustes

Baroninš, Janis 2018 <https://digi.lib.ttu.ee/i/?11163>

Reliability assessment of cutting tool materials using surface fatigue device

Kumar, Rahul, 1993-; Antonov, Maksim GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 48 <http://fmttk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Reliability management approach for a virtual enterprise of SMEs in a manufacturing domain = Usaldusväarsuse juhtimise raamistik tootmisvaldkonna väikese ja keskmise suurusega virtuaalettevõtetele

Mahmood, Kashif 2019 <https://digi.lib.ttu.ee/i/?11235>