

### **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](#)

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

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

### **Additive design possibilities of electrical machines**

**Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton** 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.2018.8659828>

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

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

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

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

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

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

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

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

### **Additive Manufacturing and Performance of E-Type Transformer Core**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas; Ghahfarokhi, Payam Shams** Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [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 electrical machines - towards the industrial use of a novel technology**

**Vaimann, Toomas; Kallaste, Ants** Energies 2023 / art. 544 <https://doi.org/10.3390/en16010544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Additive manufacturing of prototype axial flux switched reluctance electrical machine**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton** 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 4 p. : ill <https://doi.org/10.1109/IWED52055.2021.9376337>

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

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

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

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

### **Ajujahil kaugele jõudnud roheidu päästab maailma suitsukonidest, tehes neist materjali 3D-printerite ja plastitöösturite jaoks**

**Laikoja, Linda-Liis** digipro.geenius.ee 2023 [Ajujahil kaugele jõudnud roheidu päästab maailma suitsukonidest, tehes neist materjali 3D-printerite ja plastitöösturite jaoks](https://doi.org/10.1016/j.jallcom.2023.170436)

### **Analysis of advanced passive heatsinks for electrical machines enabled by additive manufacturing**

**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Vaimann, Toomas** 2023 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings 2023 / p. 1-6 <https://doi.org/10.1109/WEMDCD55819.2023.10110940>

### **Application of active thermography for the study of losses in components produced by laser powder Bed fusion**

**Quercio, Michele; Poskovic, Emir; Franchini, Fausto; Fracchia, Elisa; Ferraris, Luca; Canova, Aldo; Tenconi, Alberto; Tiismus, Hans;**

**Kallaste, Ants** Journal of magnetism and magnetic materials 2024 / art. 171796 <https://doi.org/10.1016/j.jmmm.2024.171796>

**Application potential of combining strain hardening cementitious composites and helical reinforcement for 3D concrete printed structures: Case study of a spiral staircase**

**Hass, Lauri; Nefs, K.; Bos, F. P.; Salet, T. A. M.** Journal of building engineering 2023 / art. 107926

<https://doi.org/10.1016/j.jobe.2023.107926> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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

**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

**At the turning point of the current techno-economic paradigm : commons-based peer production, desktop manufacturing and the role of civil society in the Perezian framework**

**Kostakis, Vasileios** TripleC 2013 / p. 173-190

**Axially asymmetric design for additive manufacturing of synchronous reluctance machines**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** 2023 IEEE International

Conference on Electric Machines and Drives (IEMDC) 2023 / 5 p <https://doi.org/10.1109/IEMDC55163.2023.10238995>

**Bending and pull-out tests on a novel screw type reinforcement for extrusion-based 3D printed concrete**

**Hass, Lauri; Bos, Freek** Second RILEM International Conference on Concrete and Digital Fabrication : Digital Concrete 2020 2020 /

p. 632-645 : ill [https://doi.org/10.1007/978-3-030-49916-7\\_64](https://doi.org/10.1007/978-3-030-49916-7_64) Journal metrics at Scopus Article at Scopus

**Betooni 3D-printimine Eesti kogemuse näitel**

director.ee 2023 [Betooni 3D-printimine Eesti kogemuse näitel](https://www.director.ee/2023/06/14/11.1)

**Betooniühingu uus juht: «Me ei ole nii rikkad, et loobuda betoonist!»**

**Kolk, Mariliis; Strandberg, Marek** Postimees 2021 / Lk. 11 <https://dea.digar.ee/article/postimees/2021/06/14/11.1>

**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](https://www.mdpi.com/journal/materials/special_issues/0K2292JW30)

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

**Kamboj, Nikhil Kumar; Rodriguez, Miguel Angel; Rahmani Ahranjani, Ramin; Prashanth, Konda Gokuldoss; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill <https://doi.org/10.3176/proc.2019.2.10>

[http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-185-190.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-185-190.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Biomimetics**

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

**Can 3D printing bring droplet microfluidics to every lab? - A systematic review**

**Gyimah, Nafisat; Scheler, Ott; Rang, Toomas; Pardy, Tamas** Micromachines 2021 / art. 339 <https://doi.org/10.3390/mi12030339>

[Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://www.mdpi.com/journal/micromachines/special_issues/0K2292JW30)

**Characterizing the bond properties of automatically placed helical reinforcement in 3D printed concrete**

**Hass, Lauri; Bos, F.P.; Salet, T.A.M.** Construction and building materials 2022 / art. 129228, 16 p. : ill

<https://doi.org/10.1016/j.conbuildmat.2022.129228> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**CNC machining of halftone and lithophane images into wood-based panels**

**Kiiman, Karmo; Luga, Üllar; Kers, Jaan** Proceedings of the 12th Meeting of the Northern European Network for Wood Science and

Engineering (WSE) : Wood Science and Engineering - a Key Factor on the Transition to Bioeconomy : September 12-13, 2016, Riga, Latvia 2016 / p. 74-79 : ill <http://www.kki.lv/dokumenti/WSE2016.pdf>

**CNC machining of halftone and lithophane images into wood-based panels [Online resource]**

**Kiiman, Karmo; Luga, Üllar; Poltimäe, Triinu; Kers, Jaan** 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 / p. 1 <http://fntdk.ut.ee/teesid-2018/>

### **Commons-based peer production and digital fabrication : the case of a RepRap-based, Lego-built 3D printing-milling machine**

**Kostakis, Vasileios**; Papachristou, Marios Telematics and informatics 2014 / p. 434-443 : ill

### **Concepts of additively manufactured electrical machines and components**

**Vaimann, Toomas; Tiismus, Hans; Kallaste, Ants** 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 6 p <https://doi.org/10.1109/EPE58302.2023.10149252>

### **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>

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

**Ghahfarokhi, Payam Shams**; Podgornovs, Andrejs; **Kallaste, Ants**; Marques Cardoso, Antonio J.; **Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / p. 62532 <https://doi.org/10.1109/ACCESS.2021.3074827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Vacuum 2023 / art. 111955 <https://doi.org/10.1016/j.vacuum.2023.111955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design and performance of laser additively manufactured core induction motor**

**Tiismus, Hans; Kallaste, Ants; Naseer, Muhammad Usman; Vaimann, Toomas; Rassõlkin, Anton** IEEE Access 2022 / p. 50137-50152 <https://doi.org/10.1109/ACCESS.2022.3173317> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design global, manufacture local : exploring the contours of an emerging productive model**

**Kostakis, Vasileios; Niaros, Vasileios**; Dafermos, George; Bauwens, Michel Futures 2015 / p. 126-135 : ill <https://doi.org/10.1016/j.futures.2015.09.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design of an additively manufactured polymer composite electrical machine**

**Sarap, Martin; Kallaste, Ants; Naseer, Muhammad Usman; Tiismus, Hans; Rjabtšikov, Viktor; Ghahfarokhi, Payam Shams; Vaimann, Toomas**; Aman, Alexander; Kutia, Mykhailo 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227413>

### **Design optimization of 3D-printed permanent magnet clutch**

**Andriushchenko, Ekaterina** 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 2022 / p. 31-32 : ill [https://www.ester.ee/record=b5457278\\*est](https://www.ester.ee/record=b5457278*est)

### **Design optimization of permanent magnet clutch with Ārtap framework**

**Andriushchenko, Ekaterina**; Kaska, Jan; **Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton** Periodica polytechnica electrical engineering and computer science 2021 / p. 106-112 <https://doi.org/10.3311/PPee.17007> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Design procedure and preliminary analysis for the introduction of axial asymmetry in the synchronous reluctance machines**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** 2023 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/WEMDCD55819.2023.10110903>

### **Determining the thermal conductivity of additively manufactured metal specimens**

**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas** 2022 29th International Workshop on Electric Drives: Advances in Power Electronics for Electric Drives (IWED) 2022 / 4 p <https://doi.org/10.1109/IWED54598.2022.9722591>

### **Development of the reconfigurable continuous track robot**

**Valme, Daniil** 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. 15-16 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

## Digiehituse tulevikutegija on Kerdo Kütt

EhitusEST 2021 / lk. 34-35 : fot [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est) <https://digikogu.taltech.ee/en/Item/6cf35e3f-60cd-4067-aaaa-29cc49606c70>

## A Digital ecosystem for personal manufacturing : an architecture for cloud-based distributed manufacturing operating systems

Vedešin, Anton; Dogru, John Mehmet Ulgar; Liiv, Innar; Draheim, Dirk; Ben Yahia, Sadok MEDES '19 : A Digital Ecosystem for Personal Manufacturing : An Architecture for Cloud-based Distributed Manufacturing Operating Systems : proceedings 2019 / p. 224–228 : ill <https://doi.org/10.1145/3297662.3365792>

## Direct conductor cooling of outer-rotor machine enabled by additive manufacturing

Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas 2023 IEEE International Conference on Electric Machines and Drives (IEMDC) 2023 / 4 p <https://doi.org/10.1109/IEMDC55163.2023.10238858>

## Doktoritöö: 3D-printimine avab elektrimasinate ehitamisel uue horisoni [Võrguväljaanne]

Alvela, Ain novaator.err.ee 2022 [Doktoritöö: 3D-printimine avab elektrimasinate ehitamisel uue horisoni](https://doi.org/10.1145/3297662.3365792) <https://digikogu.taltech.ee/et/Item/1a6cde04-f268-42c1-95d7-b9a43dd70046>

## EBSO 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>

## Eddy current loss reduction prospects in laser additively manufactured soft magnetic cores

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton 2022 International Conference on Electrical Machines (ICEM) 2022 / p. 1511-1516 <https://doi.org/10.1109/ICEM51905.2022.9910679>

## Eesti Maaülikoolis valiti parim 3D Fusion tootedisainer

goodnews.ee 2024 [Eesti Maaülikoolis valiti parim 3D Fusion tootedisainer](https://www.goodnews.ee/et/Item/1a6cde04-f268-42c1-95d7-b9a43dd70046)

## Eesti sai esimese 3D-metallprinteri

Ehitaja 2015 / lk. 34

## The effect of build direction on the thermal conductivity of additively manufactured AIS10Mg and silicon-steel samples

Sarap, Martin; Kallaste, Ants; Shams Ghahfarokhi, Payam; Tiismus, Hans; Vaimann, Toomas 2022 International Conference on Electrical Machines (ICEM) 2022 / p. 538-543 <https://doi.org/10.1109/ICEM51905.2022.9910944>

## 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](#)

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

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

## The effect of printing direction on the strength characteristics of a 3D printed concrete wall section

Põldaru, Mattias; Tammkõrv, Karl; Tuisk, Tanel; Kiviste, Mihkel; Puust, Raido Buildings 2023 / art. 2917 <https://doi.org/10.3390/buildings13122917> [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> [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](#)

### **Electrochemical merits of selective laser melted Mo/MoS<sub>2</sub> composite in aqueous solutions**

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

### **Electron beam melting of (FeCoNi)<sub>86</sub>Al<sub>7</sub>Ti<sub>7</sub> high-entropy alloy**

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

### **Elektrimootorite 3D-printimine ei ole ulme**

**Vaimann, Toomas**; **Kallaste, Ants** Director. Inseneeria 2021 / lk. 74-78 : fot <https://director.ee/2021/02/03/elektrimootorite-3d-printimine-ei-ole-ulme/> [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

### **Enamate dimensioonidega printerid**

Laas, Peeter Studioosus 2013 / lk. 28 [https://www.ester.ee/record=b1558644\\*est](https://www.ester.ee/record=b1558644*est)

### **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](#)

### **Evaluation of 3D-printed magnetic materials for additively-manufactured electrical machines**

Selema, Ahmed; Beretta, Margherita; Van Coppenolle, Matty; **Tiismus, Hans**; **Kallaste, Ants**; Ibrahim, Mohamed N.; Rombouts, Marleen; Vleugels, Jozef; Kestens, Leo A.I.; Sergeant, Peter Journal of magnetism and magnetic materials 2023 / art. 170426, 12 p. : ill <https://doi.org/10.1016/j.jmmm.2023.170426> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluation of geometrical precision and surface roughness quality for the additively manufactured radio frequency quadrupole prototype**

Torims, Toms; Cherif, A.; Delerue, Nicholas; Foppa Pedretti, M.; Gruber, Samira; Krogere, Dagnija; Lopez, Elena Torres; **Otto, Tauno**; Pikurs, Guntis; Pozzi, Matteo; Ratkus, A.; Thielmann, Michael; Vedani, Maurizio; Vretenar, Maurizio; Wagenblast, Philipp C. 13th International Particle Accelerator Conference (IPAC'22) 12 - 17 June 2022, Bangkok, Thailand 2023 / art. 012089 <https://doi.org/10.1088/1742-6596/2420/1/012089> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Evaluation of 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>

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

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

### **Experimental measurements and numerical modelling of additively manufactured Fe-Si cores**

Stella, Marco; Faba, Antonio; Fulginei, F. Riganti; Quercio, Michele; Scorretti, Riccardo; Bertolini, Vittorio; Sabino, Luis Gustavo; **Tiismus, Hans**; **Kallaste, Ants**; Cardelli, Ermanno Journal of magnetism and magnetic materials 2024 / art. 171752 <https://doi.org/10.1016/j.jmmm.2024.171752>

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

### **Feedstock preparation, microstructures and mechanical properties for laser-based additive manufacturing of steel matrix composites**

Chen, Hongyu; Kosiba, Konrad; Suryanarayana, Challapalli; Lu, Tiwen; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss** International materials reviews 2023 / p. 1192-1244 <https://doi.org/10.1080/09506608.2023.2258664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

## **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>

## **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>

## **Hüdrograafia hariduse uued horisonidid ja võimalused**

arileht.delfi.ee 2023 [Hüdrograafia hariduse uued horisonidid ja võimalused](https://arileht.delfi.ee/2023/07/11/hydrograafia-hariduse-uued-horisonidid-ja-voimalused)

## **Hysteresis loss evaluation of additively manufactured soft magnetic core**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas** 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1657-1661  
<https://doi.org/10.1109/ICEM49940.2020.9270836>

## **Hysteresis measurements and numerical losses segregation of additively manufactured silicon steel for 3D printing electrical machines**

**Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton;** Lukichev, Dmitry Applied sciences 2020 / art. 6515, 15 p <https://doi.org/10.3390/app10186515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Ida-Tallinna Keskhaigla arendab taastusravi koos Tehnikaülikooliga [Võrguväljaanne]**

Liiviste, Priit pealinn.ee 2021 ["Ida-Tallinna Keskhaigla arendab taastusravi koos Tehnikaülikooliga."](https://liiviste.priit.ee/2021/07/11/ida-tallinna-keskhaigla-arendab-taastusravi-koos-tehnika-uelikooliga/)

## **Idufirma Filaret toodab suitsukonidest 3D printimiseks materjali [Võrguväljaanne]**

digi.geenius.ee 2022 [Idufirma Filaret toodab suitsukonidest 3D printimiseks materjali](https://digi.geenius.ee/2022/07/11/idufirma-filaret-toodab-suitsukonidest-3d-printimiseks-materjali/)

## **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](#)

## **Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions**

Alinejadian, Navid; Kazemi, Sayed Habib; **Grossberg-Kuusik, Maarja; Kollo, Lauri;** Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Materials today chemistry 2022 / art. 101219 <https://doi.org/10.1016/j.mtchem.2022.101219> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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](#)

## **Increasing of rapid prototyping performance by 3D printing technologies**

**Sonk, Kaimo; Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit** Journal of machine engineering 2009 / 1S, p. 121-129

## **Influence of powder characteristics on processability of AlSi12 alloy fabricated by selective laser melting**

Baitimerov, Rustam; Lykov, Pavel; Zherebtsov, Dmitry; 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 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>

## **Inseneride ja arstide loodud nutikorsett tõhustab vildakselguse ravi [Võrguväljaanne]**

postimees.ee 2022 [Inseneride ja arstide loodud nutikorsett tõhustab vildakselguse ravi](https://postimees.ee/2022/07/11/inseneride-ja-arstide-loodud-nutikorsett-tohustab-vildakselguse-ravi/)

## **Intellectual property protection of 3D printing using secured streaming**

Sepp, Paula-Mai; **Vedešin, Anton; Dutt, Pawan Kumar** The future of law and eTechnologies 2016 / p. 81-109 : ill  
[http://dx.doi.org/10.1007/978-3-319-26896-5\\_5](http://dx.doi.org/10.1007/978-3-319-26896-5_5)

### 20 000 vandaalikindlat mesilast

Mente et Manu 2018 / lk. 6 : fot <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/> [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)  
[https://artiklid.elnet.ee/record=b2836001\\*est](https://artiklid.elnet.ee/record=b2836001*est)

### Kolledž kutsub kasutama kõige moodsamaid seadmeid

Põhjarannik 2016 / lk. 3

### 3D-printitud jahuti muudab elektrimasinad töökindlamaks ja tõhusamaks

**Sarap, Martin** novaator.err.ee 2023 [3D-printitud jahuti muudab elektrimasinad töökindlamaks ja tõhusamaks](#)

### 3D-printimine teel tööstusesse

Puusild, Harro; **Strandberg, Marek** Äripäev 2016 / lk. 34-35

### 3D printimine avab elektrimasinate tootmisel ennenägematuid võimalusi

**Vaimann, Toomas** Elektriala 2023 / lk. 22-23 : portr., fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### 3D-printerid leiavad tee kooli

Lees, Merike Äripäev 2015 / Tööstus, Lk. 18-22 <https://dea.digar.ee/article/aptoostus/2015/04/28/17.1>

### 3D-printimise tavatu turvaauk

**Strandberg, Marek** Inseneeria 2016 / lk. [8] : ill [https://artiklid.elnet.ee/record=b2762497\\*est](https://artiklid.elnet.ee/record=b2762497*est)

### 3D-printimise võimalused on meditsiinis piiratud

Kolk, Mariliis Postimees 2021 / Lk. 8-9 : ill <https://dea.digar.ee/article/ak/2021/05/15/6.2>

### 3D-printitud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?

aripaev.ee 2023 [3D-printitud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?](#)

### 3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter

Aunap, S. Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-22 [https://www.ester.ee/record=b4750061\\*est](https://www.ester.ee/record=b4750061*est)

### 3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter

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

### 3D-printimine töötab teha mootoritele uuenduskuuri

**Tiismus, Hans** novaator.err.ee 2023 [3D-printimine töötab teha mootoritele uuenduskuuri](#) <https://digikogu.taltech.ee/et/Item/1a6cde04-f268-42c1-95d7-b9a43dd70046> [https://www.ester.ee/record=b5511687\\*est](https://www.ester.ee/record=b5511687*est)

### Kui prindiks äkki... uue maja?!

Veldre, Tõnu saartehaal.postimees.ee 2024 [Kui prindiks äkki... uue maja?!](#)

### Kuidas printida metalli?

Einama, Kaido Director. Inseneeria 2018 / lk. 102-107 : fot [http://www.ester.ee/record=b1519314\\*est](http://www.ester.ee/record=b1519314*est)  
[https://artiklid.elnet.ee/record=b2832919\\*est](https://artiklid.elnet.ee/record=b2832919*est)

### 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/>

### Kundas uuritakse, kuidas tsementi rohelisemaks muuta

postimees.ee 2023 [Kundas uuritakse, kuidas tsementi rohelisemaks muuta](#)

### Kutsehariduskeskus asub kõigile 3D-printimist õpetama

Mutso, Lauri parnu.postimees.ee 2022 [Kutsehariduskeskus asub kõigile 3D-printimist õpetama](#)

### Laser additively manufactured magnetic core design and process for electrical machine applications

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Lind, Liina;** Virro, Indrek; **Rassõlkin, Anton; Dedova, Tatjana** Energies 2022 / art. 3665 <https://doi.org/10.3390/en15103665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting

Baskaran, Jagadeesh; Muthukannan, Duraiselvam; **Shukla, Riddhi Hirenkumar; Prashanth, Konda Gokuldoss** Vacuum 2024 / art. 113065 <https://doi.org/10.1016/j.vacuum.2024.113065>

### Masinad, mis prindivad mudeleid : [ruumilisest printimisest]

Melioranski, Martin; **Otto, Tauno** Eesti Ekspress 2007 / 17. mai, Homme 4, lk. 44-45

<https://ekspres.delfi.ee/artikkel/69113595/masinad-mis-prindivad-mudeleid>

### **Material properties for 3D printing electrical machines**

**Tiismus, Hans** 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. 139-140  
[https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

### **Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO<sub>3</sub> 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](#)

### **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

### **Metabolism control in 3D-printed living materials improves fermentation**

Butelmann, Tobias; Priks, Hans; Parent, Zoel; Johnston, Trevor G.; Tamm, Tarmo; Nelson, Alshakim; **Lahtvee, Petri-Jaan; Kumar, Rahul, 1978-** ACS Applied Bio Materials 2021 / p. 7195-7203 <https://doi.org/10.1021/acsabm.1c00754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metallic coatings through additive manufacturing: a review**

**Mohanty, Shalini; Prashanth, Konda Gokuldoss** Materials 2023 / art. 2325 : ill <https://doi.org/10.3390/ma16062325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Metallid 3D-sse**

**Veinthal, Renno; Kollo, Lauri; Pohlak, Meelis** Äripäev 2015 / Tööstus, lk. 36-38

### **Metallobjectide 3D-printimine - uued võimalused ja väljakutsed**

**Pohlak, Meelis; Veinthal, Renno** Eesti Päevaleht 2015 / Metallileht, lk. 2

### **Microstructural and mechanical behaviour of friction welded SS316L components fabricated by selective laser melting**

Dinesh, Lanka; Damodaram, R.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials today communications 2023 / art. 107430 <https://doi.org/10.1016/j.mtcomm.2023.107430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting**

Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 <https://doi.org/10.1016/j.jmrt.2023.07.124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process**

Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav**; Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill <https://doi.org/10.1016/j.matchar.2021.111289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure and tribological behavior of Al-12Si – Nano graphene composite fabricated by laser metal deposition process**

Yang, Zhilu; Ma, Pan; Zhang, Nan; Yang, Dongye; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 2311-2322 <https://doi.org/10.1016/j.jmrt.2023.10.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion**

Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 <https://doi.org/10.1016/j.jallcom.2023.171430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modified initial design procedure for synchronous reluctance motor**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** 2022 International Conference on Electrical Machines (ICEM) 2022 / p. 1969-1975 <https://doi.org/10.1109/ICEM51905.2022.9910594>

### **Mo(Si,Al)<sub>2</sub> by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi<sub>2</sub>**

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



### **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](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

### **Nooruse kool tegi algust Tehnoloogiakooliga**

Kesküla, Marili saartehaal.postimees.ee 2023 [Nooruse kool tegi algust Tehnoloogiakooliga](#)

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

### **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](#)

### **Numerical investigation of properties of small size Axial Flux Permanent Magnet Motors**

**Stepien, Mariusz; Mikos, Jan; Kallaste, Ants; Rassõlkin, Anton** 2019 20th International Symposium on Power Electronics (Ee 2019) : Novi Sad, Serbia, 23 – 26 October 2019 2019 / 4 p <https://doi.org/10.1109/PEE.2019.8923235>

### **Nutikad naised teevad suitsukonidest biolagunevat plastmaterjali [Võrguväljaanne]**

Ramler, Gerli 2022 [Nutikad naised teevad suitsukonidest biolagunevat plastmaterjali](#)

### **Nutikas ortoos hakkab jälgima oma kandjat**

Mente et Manu 2021 / lk. 12 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Nutikorsett aitab vildakselgsust ravida**

Imeline Teadus 2022 / lk. 23 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

### **Open source 3D printing as a means of learning : an educational experiment in two high schools in Greece**

**Kostakis, Vasileios; Niaros, Vasileios; Giotitsas, Christos** Telematics and informatics 2015 / p. 118-128 : ill  
<https://doi.org/10.1016/j.tele.2014.05.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines**

**Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Kallaste, Ants; Cardoso, Antonio J. Marques; Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / art. 9364970, p. 36368-36381 : ill  
<https://doi.org/10.1109/ACCESS.2021.3062618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimization of a 3D-printed permanent magnet coupling using genetic algorithm and Taguchi method**

**Andriushchenko, Ekaterina; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton; Heidari, Hamidreza; Tiismus, Hans** Electronics 2021 / art. 494, 16 p. : ill <https://doi.org/10.3390/electronics10040494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The outsidership dilemma of a healthtech start-up entering the US market**

**Hammoda, Basel Osama Sayed Ahmed** Cases on entrepreneurship and diversity 2024 / p. 67-81  
<https://doi.org/10.4337/9781803923857.00012>

### **Paul hakkab inseneriks**

Tomusk, Ilmar 2024 [https://www.ester.ee/record=b5685615\\*est](https://www.ester.ee/record=b5685615*est)

### **Performance evaluation of additive manufacturing based test samples for studies of defects in electrical insulation**

**Shafiq, Muhammad; Taklaja, Paul; Kiitam, Ivar; Tiismus, Hans; Palu, Ivo; Kütt, Lauri** 2021 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2021 / 6 | <https://doi.org/10.1109/ICECET52533.2021.9698476>

### **Performance of additively manufactured prototype transformer core**

**Tiismus, Hans** 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. 41-42 : ill [https://www.ester.ee/record=b5457278\\*est](https://www.ester.ee/record=b5457278*est)

### **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](#)

### **Physical confinement impacts cellular phenotypes within living materials**

**Priks, Hans; Butelmann, Tobias; Illarionov, Aleksandr;** Johnston, Trevor G.; Fellin, Christopher; **Tamm, Tarmo;** Nelson, Alshakim; **Kumar, Rahul, 1978-; Lahtvee, Petri-Jaan** ACS Applied Bio Materials 2020 / p. 4273 - 4281  
<https://doi.org/10.1021/acsabm.0c00335> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Piret Mägi aitab muuta 3D-printimist keskkonnasõbralikumaks**

**Helme, Kristi** Mente et Manu 2016 / lk. 16-18 : fot [https://artiklid.elnet.ee/record=b2756902\\*est](https://artiklid.elnet.ee/record=b2756902*est)

### **Preliminary design analysis of an axial flux yokeless stator switched reluctance machine**

**Hussain, Shahid; Kallaste, Ants; Naseer, Muhammad Usman; Sarap, Martin; Tiismus, Hans; Vaimann, Toomas** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413130>

### **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](#)

### **Production and properties of additively manufactured electrical machine cores = Kihltisandus meetodil valmistatud elektrimasinate magnetsüdamikud ja nende omadused**

**Tiismus, Hans** 2022 <https://doi.org/10.23658/taltech.49/2022> <https://digikogu.taltech.ee/et/Item/1a6cde04-f268-42c1-95d7-b9a43dd70046>  
[https://www.ester.ee/record=b5511687\\*est](https://www.ester.ee/record=b5511687*est)

### **Prototype induction motor core preparation with laser additive manufacturing**

**Tiismus, Hans** 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. 35-36 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **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](#)

### **Recent trends in additive manufacturing and topology optimization of reluctance machines**

**Hussain, Shahid; Kallaste, Ants; Vaimann, Toomas** Energies 2023 / art. 3840 <https://doi.org/10.3390/en16093840> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Recycling of PA-12 in additive manufacturing and the improvement of its mechanical properties**

**Mägi, Piret; Krumme, Andres; Pohlak, Meelis** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 9-14 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.9>

### **A review on additive manufacturing possibilities for electrical machines**

**Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton** Energies 2021 / art. 1940  
<https://doi.org/10.3390/en14071940> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review on development of bio-inspired implants using 3D printing**

**Raheem, Ansheed A.; Hameed, Pearlin; Prashanth, Konda Gokuldoss;** Manivasagam, Geetha Biomimetics 2021 / art. 65  
<https://doi.org/10.3390/biomimetics6040065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Robotically placed reinforcement using the automated screwing device – an application perspective for 3D concrete printing**

**Hass, Lauri;** Bos, Freek Third RILEM International Conference on Concrete and Digital Fabrication : Digital Concrete 2022 2022 / p. 417 - 423 [https://doi.org/10.1007/978-3-031-06116-5\\_62](https://doi.org/10.1007/978-3-031-06116-5_62) [Article collection metrics at Scopus](#) [Article at Scopus](#)

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

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

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

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

**Selective laser manufacturing of Ti-based alloys and composites : impact of process parameters, application trends, and future prospects**

Singh, Nirmal Kumar; Hameed, Pearlin; Ummethala, Raghunandan; Manivasagam, Geetha; Prashanth, Konda Gokuldoss; Eckert, Juergen H. Materials Today Advances 2020 / Art. 100097 <https://doi.org/10.1016/j.mtadv.2020.100097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of a novel 13Ni400 maraging steel : material characterization and process optimization**

Patil, Viraj Vishwas; Mohanty, Chinmaya P.; Prashanth, Konda Gokuldoss Journal of materials research and technology 2023 / p. 3979-3995 <https://doi.org/10.1016/j.jmrt.2023.10.193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of AlCoCrFeMnNi high entropy alloy : effect of heat treatment**

Fang, Yacheng; Ma, Pan; Wei, Shuimiao; Zhang, Zhiyu; Yang, Dongye; Yang, Hong; Wan, Shiguang; Prashanth, Konda Gokuldoss; Jia, Yandong Journal of materials research and technology 2023 / p. 7845-7856 <https://doi.org/10.1016/j.jmrt.2023.09.121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of aluminum and its alloys**

Wang, Zhi; Ummethala, Raghunandan; Singh, Neera; Prashanth, Konda Gokuldoss Materials 2020 / art. 4564 : ill <https://doi.org/10.3390/ma13204564> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of ceramic composites**

Aydinyan, Sofiya; Liu, Le; Minasyan, Tatevik; Hussainova, Irina XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 22

**Selective laser melting of Cu-Ni-Sn : a comprehensive study on the microstructure, mechanical properties, and deformation behavior**

Zhao, Chao; Wang, Zhi; Li, Daoxi; Kollo, Lauri; Luo, Zongqiang; Zhang, Weiwen; Prashanth, Konda Gokuldoss International journal of plasticity 2021 / art. 102926 <https://doi.org/10.1016/j.ijplas.2021.102926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of Ti6Al4V : effect of laser re-melting**

Karimi, Javad; Suryanarayana, Challapalli; Okulov, Ilya; Prashanth, Konda Gokuldoss Materials Science and Engineering : A 2021 / art. 140558 <https://doi.org/10.1016/j.msea.2020.140558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of Ti6Al4V : effect of remelting**

Karimi, Javad; Prashanth, Konda Gokuldoss APICAM2019 program : [abstracts] 2019 / p. [5] <https://www.apicam2019.com.au/LiteratureRetrieve.aspx?ID=200067>

**Selective laser melting of Ti-B-Si system produced by SHS [Online resource]**

Aydinyan, Sofiya; Liu, Le; Hussainova, Irina Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L06 [http://2018.cimtec-congress.org/abstracts\\_focused\\_session\\_cb-10](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

**Selective laser melting of TiC-based cermet : HIP studies**

Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Transactions of the Indian Institute of Metals 2023 / p. 565-570 : ill <https://doi.org/10.1007/s12666-022-02684-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

**Selective laser sintered bio-inspired silicon-wollastonite scaffolds for bone tissue engineering**

Kamboj, Nikhil Kumar; Kazantseva, Jekaterina; Rahmani Ahranjani, Ramin; Rodriguez, Miguel Angel; Hussainova, Irina Materials Science and Engineering : C 2020 / art. 111223 <https://doi.org/10.1016/j.msec.2020.111223>

**Selective laser sintering of combustion synthesized titanium diboride based composites**

Liu, Le; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina European Powder Metallurgy Association : proceedings : 14 –

18 October 2018, Bilbao, Spain 2018 / art. 3987459 [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

### **Sliding mean value subtraction-based DC drift correction of B-H curve for 3D-printed magnetic materials**

**Asad, Bilal; Tiismus, Hans; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams** Energies 2021 / art. 284, 10 p <https://doi.org/10.3390/en14020284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SLM-processed MoS<sub>2</sub>/MoS<sub>3</sub> nanocomposite for energy conversion/storage applications**

**Alinejadian, Navid; Kazemi, Sayed Habib; Odnevall Wallinder, Inger** Scientific reports 2022 / art. 5030 <https://doi.org/10.1038/s41598-022-08921-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Smart cyber-physical system for pattern recognition of illegal 3D designs in 3D printing**

**Vedešin, Anton; Dogru, John Mehmet Ulgar; Liiv, Innar; Ben Yahia, Sadok; Draheim, Dirk** Smart Applications and Data Analysis : Third International Conference, SADASC 2020, Marrakesh, Morocco, June 25-26, 2020 : proceedings 2020 / p. 74-85 [https://doi.org/10.1007/978-3-030-45183-7\\_6](https://doi.org/10.1007/978-3-030-45183-7_6) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Smart cyber-physical system for personal manufacturing = Tark küberfüüsikaline süsteem personaalseks tootmiseks**

**Vedešin, Anton** 2020 [https://www.ester.ee/record=b5386400\\*est](https://www.ester.ee/record=b5386400*est) <https://digikogu.taltech.ee/et/Item/4dec3f85-ca80-4b07-ba18-0bec34669868>

### **SmartIC teaduse teekaardil - uus metalli 3D-printimise süsteem**

**Otto, Tauno** Mente et Manu 2017 / lk. 38 [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) [https://artiklid.elnet.ee/record=b2830875\\*est](https://artiklid.elnet.ee/record=b2830875*est)

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

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

### **Strong and ductile titanium via additive manufacturing under a reactive atmosphere**

**Dong, Yangping; Wang, Dawei; Li, Qizhen; Luo, Xiaoping; Zhang, Jian; Prashanth, Konda Gokuldoss; Wang, Pei; Eckert, Jürgen; Mädler, Lutz; Okulov, Ilya V.; Yan, Ming** Materials today advances 2023 / art. 100347 <https://doi.org/10.1016/j.mtadv.2023.100347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Structural analysis of selective laser melted copper-tin alloy**

**Rahmani, Ramin; Resende, Pedro R.; Couto, Ruben; Lopes, Sérgio Ivan; Kumar, Rahul, 1993-; Maurya, Himanshu Singh; Karimi, Javad; Afonso, Alexandre M.; Hussain, Abrar; Abrantes, Joao C. C.** Journal of alloys and metallurgical systems 2024 / art. 100097 <https://doi.org/10.1016/j.jalms.2024.100097>

### **Survey on 3D technologies : case study on 3D scanning, processing and printing with a model**

**Abdelmomen, Mohamed; Dengiz, Ozan Fuat; Tamre, Mart** 2020 21st International Conference on Research and Education in Mechatronics (REM) 2020 <https://doi.org/10.1109/REM49740.2020.9313881>

### **Synthesis of porous bio-ceramic(Silicon and Calcium silicate) implants by selective laser melting for local delivery of Vancomycin**

**Kamboj, Nikhil Kumar; Hussainova, Irina; Rodríguez Barbero, M. A.; Rodrigo, S.; Prashanth, Konda Gokuldoss** 43rd International Conference & Exposition on Advanced Ceramic Ceramics and Composites : abstract book 2019 / p. 190 [https://ceramics.org/wp-content/uploads/2018/09/ICACC19\\_Abstacts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC19_Abstacts_WebFinal.pdf)

### **Taibukad tulevikuortoosid prinditakse täpselt patsiendi kehaosa järgi**

**Imeline** Teadus 2020 / lk. 21 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

### **TalTech arendab betooni 3D-printimist**

**Põldaru, Mattias** Mente et Manu 2021 / lk. 46 : fot [Mente et Manu 1/2021 https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **TalTechi teadlaste prinditud luu päästis noore naise jala amputeerimisest [Võrguväljaanne]**

**Himma, Marju** novaator.err.ee 2019 / fot [TalTechi teadlaste prinditud luu päästis noore naise jala amputeerimisest](https://www.ester.ee/record=b1242496*est)

### **Teadus ja igapäevaelu : teadussaavutuste rakendamine praktikas**

**Alvela, Ain** Tehnikamaailm 2024 / lk. 68-73 : ill., fot., portr [https://www.ester.ee/record=b1073050\\*est](https://www.ester.ee/record=b1073050*est)

### **Teaduse aastapreemiad: prinditud elektrimasinate poole**

**Sirp** 2022 / lk. 12 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/teaduse-aastapreemiad/>

### **Technologies for additive manufacturing of electrical machines**

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton; Belahcen, Anouar** 2019 20th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices (EDM) 2019 / p. 651-655 : ill <https://doi.org/10.1109/EDM.2019.8823462>

### **Tehnikaülikool kutsub Ukraina lapsi tasuta linnalaagrisse [Võrguväljaanne]**

Liiviste, Priit pealinn.ee 2022 ["Tehnikaülikool kutsub Ukraina lapsi tasuta linnalaagrisse"](#)

### **Tehnikaülikool printis välja 3D koopia prorektor Kolki ajust**

Alliksaar, Kaisa Eesti Päevaleht 2013 / lk. 4 <https://epl.delfi.ee/artikkel/66412890/tehnikaulikool-printis-valja-3d-koopia-prorektor-kolki-ajust>

### **Tehnikaülikoolis loodav nutikas ortoos hakkab jälgima oma kandjat [Võrguväljaanne]**

mu.ee 2021 ["Tehnikaülikoolis loodav nutikas ortoos hakkab jälgima oma kandjat"](#)

### **Temperature-induced wear micro-mechanism transition in additively deposited nickel alloys with different solid lubricants**

**Kumar, Rahul, 1993-; Hussainova, Irina; Antonov, Maksim;** Maurya, Himanshu Singh; Rodríguez Ripoll, Manel Wear 2024 / art. 205452 <https://doi.org/10.1016/j.wear.2024.205452>

### **The effect of Zinc Oxide on DLP hybrid composite manufacturability and mechanical-chemical resistance**

Baroninš, Janis; **Antonov, Maksim;** Abramovskis, Vitalijs; Rautmane, Aija; Lapkovskis, Vjaceslavs; Bockovs, Ivans; Goel, Saurav; Kumar Thakur, Vijay; Shishkin, Andrei Polymers 2023 / art. 4679, p. 1–19 <https://doi.org/10.3390/polym15244679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of UV-C radiation on the durability of 3D printed plastic parts in disinfectant devices**

**Tähemaa, Toivo; Sarkans, Martinš; Sarand, Inga; Pohlak, Meelis; Niidas, Aadu; Saarna, Mart** IOP conference series : materials science and engineering 2021 / art. 012046, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012046>

### **The impact resistance of highly densified metal alloys manufactured from gas-atomized pre-alloyed powders**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Prashanth, Konda Gokuldoss** Coatings 2021 / art. 216, 14 p. : ill <https://doi.org/10.3390/coatings11020216> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The political economy of 3D printing**

**Kostakis, Vasileios;** Fountouklis, Michalis Re-public journal 2012

### **3D measurement setup for angle measurement multi-element photo-detector**

**Dhoska, Klodian; Kübarsepp, Toomas; Hermaste, Aigar** 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 256-258 : ill

### **3D printed metal and metal-ceramic cellular lattice structures for wear and thermoacoustic applications = 3D printitud metall- ja metall-keramiilised kärgvõre struktuurid triboloogilistele- ja termoakustilistele rakendustele**

**Holovenko, Yaroslav** 2019 <https://digi.lib.tu.ee/i/?12289>

### **3D printing as a means of learning and communication: The 3DUcation project revisited**

**Pantazis, Alexandros; Priavolou, Christina** Telematics and informatics 2017 / p. 1465-1476 : ill <https://doi.org/10.1016/j.tele.2017.06.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **3D printing of electrical machines is a cutting-edge research in TalTech [Electronic resource]**

**Kallaste, Ants; Vaimann, Toomas** Research in Estonia 2021 / 1 p. : ill <https://researchinestonia.eu/2021/10/14/3d-printing-of-electrical-machines-is-a-cutting-edge-research-in-taltech/>

### **3D printing of plain and gradient cermets with efficient use of raw materials**

**Antonov, Maksim; Ivanov, Roman;** Holovenko, Yaroslav; **Goljandin, Dmitri;** Rahmani Ahranjani, Ramin; **Kollo, Lauri;** **Hussainova, Irina** Cermets : aggregated book 2023 / p. 83–90 <https://doi.org/10.4028/b-j9Oly>

### **3D printing of plain and gradient cermets with efficient use of raw materials**

**Antonov, Maksim; Ivanov, Roman; Holovenko, Yaroslav; Goljandin, Dmitri; Rahmani Ahranjani, Ramin; Kollo, Lauri; 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. 239-245 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.239> <https://www.scientific.net/KEM.799.239> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **3D printing of pure molybdenum structures by Selective Laser Melting (SLM)**

**Alinejadian, Navid; Prashanth, Konda Gokuldoss; Kollo, Lauri** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 14 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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

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

### **Tulge 3D-printimist õppima!**

**Sakk, Monica** Õpetajate Leht 2015 / lk. 7 <https://dea.digar.ee/?a=d&d=opetajateleht20150828.1.7>

### **Töötav elektrimootor otse printerist – jah, see on võimalik!**

**Vaimann, Toomas** Õhtuleht 2022 / Lk. 19 <https://dea.digar.ee/article/ohuleht/2022/03/12/14>

### **Ukrainlane 3D-prindib sõjas vigastada saanutele implantaate**

Alvela, Ain Postimees 2022 / Lk. 7 [Eestis doktorikraadi saanud ukrainlane 3D-prindib sõjas viga saanutele implantaate](https://dea.digar.ee/article/postimees/2022/11/29/9.1)  
<https://dea.digar.ee/article/postimees/2022/11/29/9.1>

### **Use of selective laser melting for manufacturing the porous stack of a thermoacoustic engine**

**Auriemma, Fabio; Holovenko, Yaroslav** 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. 246-251 : ill  
<https://www.scientific.net/KEM.799.246> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.246>  
Conference proceeding at Scopus Article at Scopus

### **Using functional requirements to determine optimal additive manufacturing technology**

**Sonk, Kaimo; Hermaste, Aigar; Sarkans, Martinš; Paavel, Marko** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 79-84 : ill <http://innomet.ttu.ee/daaam/>

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

**Sarap, Martin; Kallaste, Ants; Ghahfarokhi, Payam Shams; Tiismus, Hans; Vaimann, Toomas** Machines 2022 / art. 251  
<https://doi.org/10.3390/machines10040251> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Uudne ja soodne metalli 3D-printer**

Mente et Manu 2018 / lk. 34 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) <http://dea.digar.ee/publication/AKmenteetmanu>  
[https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2018/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html) [https://artiklid.elnet.ee/record=b2868931\\*est](https://artiklid.elnet.ee/record=b2868931*est)

### **Uued võimalused 3D-printimise valdkonnas - metallide printimine peagi võimalik ka Eestis**

**Jõelet, Marek; Kollo, Lauri; Pohlak, Meelis; Veinthal, Renno** Inseneria 2015 / lk. 32-35 : ill  
[https://artiklid.elnet.ee/record=b2725592\\*est](https://artiklid.elnet.ee/record=b2725592*est)

### **Wear behavior of selective laser melted 06Cr15Ni4CuMo steel**

Maya, Jayaraman; Sivaprasad, Katakam; Ravisankar, B.; Prashanth, Konda Gokuldoss Transactions of the Indian Institute of Metals 2024 <https://doi.org/10.1007/s12666-023-03216-5>

### **Wear resistance of (Diamond-Ni)-Ti6Al4V gradient materials prepared by combined selective laser melting and spark plasma sintering techniques**

**Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri** Advances in tribology 2019 / art. 5415897, 12 p. : ill  
<https://doi.org/10.1155/2019/5415897> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Singh, Shalini; Palani, Iyamperumal Anand; Paul, Christ Prakash; Funk, Alexander; Prashanth, Konda Gokuldoss 3D Printing and Additive Manufacturing 2023 <https://doi.org/10.1089/3dp.2021.0296>

### **Ülikool peibutab tehnikaimega : [TTÜs tutvustati tulevastele üliõpilastele kolmemõõtmelisi mudeleid printivat seadet : masinaehituse instituudi assistendi Annes Suti kommentaaridega]**

Tuul, Harry; Sutt, Annes Äripäev 2006 / 28. märts, lk. 20 : fot <https://www.aripaev.ee/uudised/2006/03/27/ulikool-peibutab-tehnikaimega>

### **Η ανάδυση του ορόπμου κινήματος και η τρισδιάστατη εκτύπωση**

**Kostakis, Vasileios** δράσεις κοινωνικής αυτο-οργάνωσης και διαδίκτυο : προς μια έννοια οργάνωσης 2.0 2013 / p. [5]

### **Реконструктор человеческих тел : как выживает технологичный бизнес в Украине**

Moroz, Dmitri rus.postimees.ee 2022 [Реконструктор человеческих тел: как выживает технологичный бизнес в Украине](https://postimees.ee/2022/03/12/14)

### **Реконструктор человеческих тел [Online resources]**

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