

A note on Lie superalgebras

Loide, Rein-Karl; Suurvarik, Pavel Proceedings of the Estonian Academy of Sciences 2010 / 4, p. 332-337

A note on the relationship between single- and multi-experiment observability for discrete-time nonlinear control systems

Kaparin, Vadim; Kotta, Ülle; Shumsky, Alexey Ye.; Zhirabok, Alexey N. Proceedings of the Estonian Academy of Sciences 2011 / 3, p. 174-178

A setup of systemic description of fluid motion

Heinloo, Jaak Proceedings of the Estonian Academy of Sciences 2009 / 3, p. 184-189 : ill

ADCS development for student CubeSat satellites - TalTech case study

Rassõlkin, Anton; Vaimann, Toomas; Org, Peeter; Leibak, Alar; Gordon, Rauno; Priidel, Eiko Proceedings of the Estonian Academy of Sciences 2021 / p. 268-285 : ill <https://doi.org/10.3176/proc.2021.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adding waste paper to clay plaster to raise its ability to buffer moisture

Nutt, Nele; Kubjas, Ardo; Nei, Lembit Proceedings of the Estonian Academy of Sciences 2020 / p. 179-185 : ill <https://doi.org/10.3176/proc.2020.3.01> https://kirj.ee/public/proceedings_pdf/2020/issue_3/proc-2020-3-179-185.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Addressing security issues in Industry 4.0 through quantum key distribution

Auriemma, Fabio; Ejmaes, Mikkel Proceedings of the Estonian Academy of Sciences 2025 / p. 175-180 <https://doi.org/10.3176/proc.2025.2.17>

Advanced sensing materials based on molecularly imprinted polymers towards developing point-of-care diagnostics devices

Kidakova, Anna; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Sõritski, Vitali Proceedings of the Estonian Academy of Sciences 2019 / p. 158-167 : ill <https://doi.org/10.3176/proc.2019.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Algebraic formalism of differential p-forms and vector fields for nonlinear control systems on homogeneous time scales

Bartosiewicz, Zbigniew; Kotta, Ülle; Pawluszewicz, Ewa; Tõnso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2013 / p. 215-226 <https://doi.org/10.3176/proc.2013.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An approach to the inference of finite state machines based on a gravitationally-inspired search algorithm

Spitšakova, Margarita Proceedings of the Estonian Academy of Sciences 2013 / p. 39-46 <https://doi.org/10.3176/proc.2013.1.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of possible faults and diagnostic methods of the Cartesian industrial robot

Autsou, Siarhei; Rassõlkin, Anton; Vaimann, Toomas; Kudelina, Karolina Proceedings of the Estonian Academy of Sciences 2022 / p. 227-24 : ill <https://doi.org/10.3176/proc.2022.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of ship wake transformation in the coastal zone using time-frequency methods

Torsvik, Tomas; Hermann, Heiko; Didenkulova, Irina; Rodin, Artem Proceedings of the Estonian Academy of Sciences 2015 / p. 379-388 : ill https://artiklid.elnet.ee/record=b2740572*est <https://doi.org/10.3176/proc.2015.3S.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The applicability of sulfoxide Michael acceptor - 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one in constructing the carbon skeleton of 9,11-secoosterols

Rõuk, Kristi; Kõllo, Marek; Järving, Ivar; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2024 / p. 223-227 : ill <https://doi.org/10.3176/proc.2024.3.06>

Application issues of additive manufacturing in plaster mold casting of metals

Pohlak, Meelis; Sergejev, Fjodor; Tähemaa, Toivo; Saarna, Mart; Viljus, Mart; Hermaste, Aigar Proceedings of the Estonian Academy of Sciences 2025 / p. 181-185 <https://doi.org/10.3176/proc.2025.2.18>

Application of diffuse reflectance spectroscopy for quick laboratory assessment of Estonian oil shale quality

Tufail, Iram; Paris, Peeter; Jõgi, Indrek; Riisalu, Hella Proceedings of the Estonian Academy of Sciences 2020 / p. 134-142 : ill <https://doi.org/10.3176/proc.2020.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of the concept of design space in method development for the determination of contaminants in soil
Jurjeva, Jelena; Koel, Mihkel Proceedings of the Estonian Academy of Sciences 2025 / p. 71-81
<https://doi.org/10.3176/proc.2025.1.07>

Assemblage of turbulent jet flows through static particulate media

Lauk, Peep; Rebassa, Josep Hueso; Kartušinski, Aleksander; Tisler, Sergei; Tähemaa, Toivo; Polonsky, Andrei Proceedings of the Estonian Academy of Sciences 2016 / p. 284-296 : ill <https://doi.org/10.3176/proc.2016.3.05>
https://artiklid.elnet.ee/record=b2798402*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of landfill wastewater pollutants and efficiency of different treatment methods

Kuusik, Aare; Pachel, Karin; Kuusik, Argo; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2016 / p. 452-471 : ill <https://doi.org/10.3176/proc.2016.4.10> https://artiklid.elnet.ee/record=b2808652*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Behaviour of the very-low-temperature crystallization peak of linear low-density polyethylene

Poltimäe, Triinu; Tarasova, Elvira; Krumme, Andres; Lehtinen, Arja; Viikna, Anti Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 58-62 : ill

Biobearings : where mechanics meets biology

Hussainova, Irina; Ghaemi, Hossein Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 232-240 : ill

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

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid

Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Jarkovoi, Marek; Asad, Bilal; Shabbir, Noman Proceedings of the Estonian Academy of Sciences 2021 / p. 190-206 : ill <https://doi.org/10.3176/proc.2021.2.08> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A brief tutorial overview of disturbance observers for nonlinear systems : application to flatness-based control

Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 57-73 : ill <https://doi.org/10.3176/proc.2020.1.07> http://www.kirj.ee/33035/?tpl=1061&c_tpl=1064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A case study on the spatial variability of strength in a SFRSCC slab and its correlation with fibre orientation

Kartofelev, Dmitri; Goidyk, Oksana; Herrmann, Heiko Proceedings of the Estonian Academy of Sciences 2020 / p. 298-310 : ill <https://doi.org/10.3176/proc.2020.4.03> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of Estonian honeys by botanical origin

Kivima, Evelin; Seiman, Andrus; Pall, Raili; Sarapuu, Evelyn; Martverk, Kaie; Laos, Katrin Proceedings of the Estonian Academy of Sciences 2014 / p. 183-192 : ill https://artiklid.elnet.ee/record=b2673977*est <https://doi.org/10.3176/proc.2014.2.08> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterizing the biofunctionalization of gold surface with total internal reflection fluorescence (TIRF) microscopy

Ehrminger, Robin Benjamin; Kopantšuk, Sergei; Kivirand, Kairi; Min, Mart Proceedings of the Estonian Academy of Sciences 2020 / p. 27-34 : ill <https://doi.org/10.3176/proc.2020.1.02> http://www.kirj.ee/33001/?tpl=1061&c_tpl=1064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical composition of red wines made from hybrid grape and common grape (*Vitis vinifera* L.) cultivars

Pedastsaar, Priit; Vaher, Merike; Helmja, Kati; Kulp, Maria; Kaljurand, Mihkel; Karp, Kadri; Raal, Ain; Karathanos, Vaivos; Püssa, Tõnu Proceedings of the Estonian Academy of Sciences 2014 / p. 444-453 : ill https://artiklid.elnet.ee/record=b2707387*est <https://doi.org/10.3176/proc.2014.4.10> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemosystematic markers for the essential oils in leaves of *Mentha* species cultivated or growing naturally in Estonia

Orav, Anne; Kapp, Karmen; Raal, Ain Proceedings of the Estonian Academy of Sciences 2013 / p. 175-186
https://artiklid.elnet.ee/record=b2624901*est <https://doi.org/10.3176/proc.2013.3.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Coherent enterprise information modeling for 5G private network feasibility
Jairus, Tanel; Pilvik, Riivo; Kõrbe Kaare, Kati; Sadam, Arvi; Kuhi, Kristjan Proceedings of the Estonian Academy of Sciences 2024 / p. 100-107 <https://doi.org/10.3176/proc.2024.2.01>

Column water vapour : an intertechnique comparison of estimation methods in Estonia
Keernik, Hannes; Ohvril, Hanno; Jakobson, Erko; **Rannat, Kalev; Luhamaa, Andres** Proceedings of the Estonian Academy of Sciences 2014 / p. 37-47 : ill https://artiklid.elnet.ee/record=b2665209*est <https://doi.org/10.3176/proc.2014.1.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined effect of heavy metals on the activated sludge process
Lember, Erki; Retšnoi, Vitali; **Pachel, Karin; Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2018 / p. 305-314 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-305-314.pdf <https://doi.org/10.3176/proc.2018.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combustion synthesis of silicon carbide by magnesio-carbothermic reduction of amorphous and crystalline silica
Kirakosyan, Hasmik; Nazaretyan, Khachik; Beglaryan, Hayk; Ivanov, Roman; **Hussainova, Irina; Aydinyan, Sofiya** Proceedings of the Estonian Academy of Sciences 2025 / p. 260-265 <https://doi.org/10.3176/proc.2025.2.31>

Comments on mesoscopic continuum physics : evolution equation for the distribution function and open questions
Herrmann, Heiko; Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2012 / p. 71-74 : ill
https://artiklid.elnet.ee/record=b2479921*est

Comparative analysis of content and composition of essential oils of Thymus vulgaris L. from different regions of Europe
Raal, Ain; Gontova, Tetiana; Palmeos, Maie; **Orav, Anne;** Sayakova, Galiya; Koshovyi, Oleh Proceedings of the Estonian Academy of Sciences 2024 / p. 332-344 <https://doi.org/10.3176/proc.2024.4.02>

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 feasibility study of partial power converter for interfacing battery energy storage into power system of future circular collider
Chub, Andrii; Niinemägi, Joosep; Colmenero, Manuel; Aguglia, Davide Proceedings of the Estonian Academy of Sciences 2024 / p. 396-415 <https://doi.org/10.3176/proc.2024.4.08>

A comparative SEM study of ossicles in the Pleuronectiformes (Teleostei) of the Baltic Sea
Märss, Tiit; Wilson, Mark; Lees, Janek; Saat, Toomas; Špilev, Heli Proceedings of the Estonian Academy of Sciences 2015 / p. 495-517 : ill <https://doi.org/10.3176/proc.2015.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of multifractal parameters of surface defects and non-defects
Martsepp, Merike; Laas, Tõnu; Tökke, Siim; **Priimets, Jaanis; Mikli, Valdek** Proceedings of the Estonian Academy of Sciences 2023 / p. 115-127 : ill <https://doi.org/10.3176/proc.2023.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering
Ritasalo, Riina; **Antonov, Maksim; Veinthal, Renno;** Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill https://artiklid.elnet.ee/record=b2665219*est <https://doi.org/10.3176/proc.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Complexity in engineering and natural sciences
Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2015 / p. 249-255 https://artiklid.elnet.ee/record=b2740532*est <https://doi.org/10.3176/proc.2015.3.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computation of nonlinear eigenvalues based on the Ore determinant : preliminary results
Halás, Miroslav; **Kaldmäe, Arvo; Kotta, Ülle;** Slacka, Juraj Proceedings of the Estonian Academy of Sciences 2024 / p. 366 - 378
<https://doi.org/10.3176/proc.2024.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

A concept for performance measurement and evaluation in network industries
Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott Proceedings of the Estonian Academy of Sciences 2015 / p. 536-542 : ill https://artiklid.elnet.ee/record=b2750881*est <https://doi.org/10.3176/proc.2015.4S.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Content and composition of essential oils in some Asteraceae species
Raal, Ain; Kaur, Helen; Orav, Anne; Arak, Elmar; Kailas, Tiit; Müürisepp, Aleksander-Mati Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 55-63

Continuum mechanics and signals in nerves
Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2021 / p. 3–18 <https://doi.org/10.3176/proc.2021.1.02> https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-3-18_20210112191450.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contribution of wave set-up into the total water level in the Tallinn area
Pindsoo, Katri; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 338-348 : ill https://artiklid.elnet.ee/record=b2740558*est <https://doi.org/10.3176/proc.2015.3S.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Criteria for modelling wave phenomena in complex systems : the case of signals in nerves
Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2019 / p. 276–283 : ill <https://doi.org/10.3176/proc.2019.3.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-276-283.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Data processing and performance testing of a low-cost surface drifter design for use in coastal waters
Torsvik, Tomas Proceedings of the Estonian Academy of Sciences 2016 / p. 58-67 : ill <https://doi.org/10.3176/proc.2016.1.06> https://artiklid.elnet.ee/record=b2760716*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deformation waves in microstructured solids and dimensionless parameters
Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2013 / p. 109-115 : ill https://artiklid.elnet.ee/record=b2624195*est <https://doi.org/10.3176/proc.2013.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and development of solid state circuit breaker with residual current protection for residential prosumer DC microgrids
Jalakas, Tanel; Chub, Andrii; Roasto, Indrek; Vinnikov, Dmitri; Kurnitski, Jarek Proceedings of the Estonian Academy of Sciences 2025 / p. 281-290 <https://doi.org/10.3176/proc.2025.2S.02>

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

Detachable connecting fittings failure loads on plywood furniture
Saar, Kaarel; Kers, Jaan; Luga, Üllar; Reiska, Ahto Proceedings of the Estonian Academy of Sciences 2015 / p. 113-117 : ill <https://doi.org/10.3176/proc.2015.1S.07> https://artiklid.elnet.ee/record=b2716371*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detecting overlapping community structure : Estonian network of payments
Rendon de la Torre, Stephanie; Kalda, Jaan; Kitt, Robert; Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2019 / p. 79–88 : ill <https://doi.org/10.3176/proc.2019.1.08> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-79-88.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of surface defects in metals : a case study
Märtens, Olev; Land, Raul; Metshein, Margus; Abdullayev, Anar; Vennikas, Henri; Le Moullec, Yannick; Rist, Marek Proceedings of the Estonian Academy of Sciences 2025

Detection of the consistency of two speech signals using pitch periods

Trump, Tõnu Proceedings of the Estonian Academy of Sciences 2013 / p. 88-96 : ill <https://doi.org/10.3176/proc.2013.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development and testing of vertical take-off and landing aerial vehicle with tandem electric ducted fan motor
Pütsep, Kristjan; Nerep, Tõivo; Tiismus, Hans; Rassõlkin, Anton Proceedings of the Estonian Academy of Sciences 2023 / p. 184–193 <https://doi.org/10.3176/proc.2023.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Disturbance decoupling by measurement feedback : sensor location
Kaldmäe, Arvo; Kotta, Ülle; Shumsky, Alexey; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2016 / p. 317-329 : ill <https://doi.org/10.3176/proc.2016.4.05> https://artiklid.elnet.ee/record=b2808632*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Disturbance decoupling of multi-input multi-output discrete-time nonlinear systems by static measurement feedback
Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2012 / p. 77-88 https://artiklid.elnet.ee/record=b2497319*est

DTRON : a tool for distributed model-based testing of time critical applications
Anier, Aivo; Vain, Jüri; Tsiopoulos, Leonidas Proceedings of the Estonian Academy of Sciences 2017 / p. 75-88 : ill <https://doi.org/10.3176/proc.2017.1.08> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic modeling and stability analysis of power networks using DQ0 transformations with a unified reference frame
Belikov, Juri; Levron, Yoash Proceedings of the Estonian Academy of Sciences 2018 / p. 368-377 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-368-377.pdf <https://doi.org/10.3176/proc.2018.67.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamics of flight of the fragments with higher order Haar wavelet method
Kivistik, Lenart; Mehrparvar, Marmar; Eerme, Martin; Majak, J Proceedings of the Estonian Academy of Sciences 2024 / p. 108-115 <https://doi.org/10.3176/proc.2024.2.02>

Effect of basalt and silica additives on erosive wear resistance of cast ceramics
Baroninš, Janis; Antonov, Maksim; Ivanov, Roman; Shuliak, Volodymyr; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 144-151 : ill <https://doi.org/10.3176/proc.2016.2.05> https://artiklid.elnet.ee/record=b2768221*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of high chromium content additions in iron-bonded Ti(C,N) cermets: a hardness-toughness tradeoff
Pampori, Tabeen Halawat; Kolnes, Märt; Juhani, Kristjan; Tarraste, Marek; Kübarsepp, Jakob Proceedings of the Estonian Academy of Sciences 2025 / p. 170-174 : ill <https://doi.org/10.3176/proc.2025.2.16>

Effect of polymer layer deposition and annealing on photovoltaic properties of CuInS₂/polymer structures
Verbitsky, Anatoly; Vertsimakha, Yaroslav; Studzinsky, Sergei; Bereznev, Sergei; Golovtsov, Igor; Kois, Julia; Öpik, Andres; Lytvyn, Oksana Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 18-23 : ill

Effect of silica precursor on the synthesis of Zn₂SiO₄-based material
Rojas Hernandez, Rocio Estefania; Hussainova, Irina; Necib, Jallouli Proceedings of the Estonian Academy of Sciences 2025 / p. 217-221 <https://doi.org/10.3176/proc.2025.2.24>

Effect of Zr doping on the structural and electrical properties of spray deposited TiO₂ thin films
Oluwabi, Abayomi Titilope; Juma, Albert Owino; Oja Acik, Ilona; Mere, Arvo; Krunk, Malle Proceedings of the Estonian Academy of Sciences 2018 / p. 147–157 : ill <https://doi.org/10.3176/proc.2018.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emotional coping of nursing students during mental health nursing simulation training
Annion, Marianne; Ojasoo, Merle; Ernits, Ülle; Puusepp, Kristi Proceedings of the Estonian Academy of Sciences 2023 / p. 212-219 <https://doi.org/10.3176/proc.2023.3.03>

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](#)

Enhancement of residential PV energy storage system by supercapacitor battery – high spatial resolution data analysis

Rogowski, Szymon; Hasan, Sayeed; Chub, Andrii; Sibinski, Maciej Proceedings of the Estonian Academy of Sciences 2025 / p. 269-280 <https://doi.org/10.3176/proc.2025.2S.01>

Enhancing binding properties of imprinted polymers for the detection of small molecules

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Tretjakov, Aleksei; Söritski, Vitali Proceedings of the Estonian Academy of Sciences 2018 / p. 138–146 : ill <https://doi.org/10.3176/proc.2018.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Environment for the analysis of functional self-test quality in digital systems

Ubar, Raimund-Johannes; Kostin, Sergei; Kruus, Helena; Aarna, Margit; Devadze, Sergei Proceedings of the Estonian Academy of Sciences 2014 / p. 151-162 : ill https://artiklid.elnet.ee/record=b2673964*est <https://doi.org/10.3176/proc.2014.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Environmental performance analysis of innovative mechanical separation for recycling of waste printed circuit boards

Hosseini, Pooya; Klauson, Artur; Goljandin, Dmitri; Hendrickx, Brent; Dufflou, Joost R. Proceedings of the Estonian Academy of Sciences 2025 / p. 291-301 : ill <https://doi.org/10.3176/proc.2025.2S.03>

Erratum : Linearization of discrete-time control system by state transformation

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2021 / p. 307 <https://doi.org/10.3176/proc.2021.1.09> https://kirj.ee/wp-content/plugins/kirj/pub/Erratum-proc-3-2021-307_20210822154030.pdf

ESTCube-1 nanosatellite for electric solar wind sail in-orbit technology demonstration

Lätt, Silver; Slavinskis, Andris; Ilbis, Erik; Vahter, Andres; Liias, Paul; Vahter, Toomas; Edvard, Veigo Proceedings of the Estonian Academy of Sciences 2014 / p. 200-209 : ill https://artiklid.elnet.ee/record=b2672246*est <https://doi.org/10.3176/proc.2014.2S.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of dialysis patients' survival through combined approach of small molecule uremic markers

Holmar, Jana; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Fernström, Anders; Luman, Merike Proceedings of the Estonian Academy of Sciences 2014 / p. 227-233 : ill https://artiklid.elnet.ee/record=b2680559*est

Estonian Academy of Sciences 75

Engelbrecht, Jüri; Järv, Jaak Proceedings of the Estonian Academy of Sciences 2013 / p. 213-214

Evaluation of the ACR MRI phantom for quality assurance tests of 1.5 T MRI scanners in Estonian hospitals

Kaljuste, Doris; Nigul, Mait Proceedings of the Estonian Academy of Sciences 2014 / p. 240-246 : ill https://artiklid.elnet.ee/record=b2680567*est

An exact solution of truss vibration problems

Lahe, Andres; Braunbrück, Andres; Klauson, Aleksander Proceedings of the Estonian Academy of Sciences 2019 / p. 244–263 : ill <https://doi.org/10.3176/proc.2019.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 https://artiklid.elnet.ee/record=b2820942*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental concept study of a small engine silencer unit based on microperforated elements

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri Proceedings of the Estonian Academy of Sciences 2024 / p. 159-167 : ill., fot <https://doi.org/10.3176/proc.2024.2.09> https://www.ester.ee/record=b2355998*est

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 study of eddy viscosity for breaking waves on sloping bottom and comparisons with empirical and numerical predictions

Oldekop, Nelly; Liiv, Toomas; Laanearu, Janek Proceedings of the Estonian Academy of Sciences 2019 / p. 299–312 : ill <https://doi.org/10.3176/proc.2019.3.07> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-299-312.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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
https://artiklid.elnet.ee/record=b2824306*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Exponential distribution of wave-driven near-bed water speeds under short-crested waves: a case study in the eastern Gulf of Riga, the Baltic Sea

Eelsalu, Maris; Piho, Laura; Aigars, Juris; Kelpšaitė-Rimkienė, Loreta; Kondrat, Vitalijus; **Kruusmaa, Maarja; Parnell, Kevin Ellis; Ristolainen, Asko**; Šakurova, Ilona; Skudra, Māris; Viška, Maija; **Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2025 / p. 23-42 : map, ill <https://doi.org/10.3176/proc.2025.1.03>

Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions

Mural, Zorjana; Kolnes, Märt; Afshari, Hossein; Kollo, Lauri; Link, Joosep; **Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill <https://doi.org/10.3176/proc.2016.2.02> https://artiklid.elnet.ee/record=b2768229*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Factors influencing participation in shared decision making in the oncological setting

Aasmäe, Birgit; Lubi, Kadi Proceedings of the Estonian Academy of Sciences 2023 / p. 196-205
<https://doi.org/10.3176/proc.2023.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fast iterative circuits and RAM-based mergers to accelerate data sort in software/hardware systems

Sklyarov, Valery; Skliarova, Iuliia; **Rjabov, Artjom; Sudnitsõn, Aleksander** Proceedings of the Estonian Academy of Sciences 2017 / p. 323-335 : ill <https://doi.org/10.3176/proc.2017.3.07> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feedback linearization of discrete-time nonlinear control systems : computational aspects

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 11-26 <https://doi.org/10.3176/proc.2020.1.03>
http://kirj.ee/32996/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feedback linearization of possibly non-smooth systems

Kaldmäe, Arvo; Kotta, Ülle; Shumsky, Alexey; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 109-123 <https://doi.org/10.3176/proc.2017.2.01> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820923*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Finding a class of 2-groups

Tamberg, Tatjana Proceedings of the Estonian Academy of Sciences 2010 / 4, p. 370-374 https://artiklid.elnet.ee/record=b2184973*est

Foreword

Õpik, Andres Proceedings of the Estonian Academy of Sciences 2012 / p. 149

Foreword

Õpik, Andres Proceedings of the Estonian Academy of Sciences 2015 / p. 69-70 [Journal metrics at Scopus](#) [Article at Scopus](#)

Foreword

Salupere, Andrus; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences 2015 / p. 201-202 ; Vol. 64, 3S, p. 323-324

Foreword

Õpik, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 115–116
http://www.kirj.ee/public/proceedings_pdf/2018/issue_2/proc-2018-2-115-116.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Foreword

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2022 / p. 1-2 : portr <https://doi.org/10.3176/proc.2022.1.04>

Foreword

Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2021 / p. 373 <https://doi.org/10.3176/proc.2021.4.01>

Foreword

Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2024 / lk. 99 <https://doi.org/10.3176/proc.2024.2.03>
https://www.ester.ee/record=b2355998*est

Foreword : [selected papers of the 9th International DAAAM Baltic Conference "Industrial Engineering"]

Foreword : [selected papers of the 19th Biennial Conference on Electronics and Embedded Systems 2024 (BEC 2024), that took place on October 2-4, 2024, in Tallinn, Estonia]

Le Moullec, Yannick; Ellervee, Peeter Proceedings of the Estonian Academy of Sciences 2025 / p. 267-268
<https://doi.org/10.3176/proc.2025.2S.04>

Foreword : [selected papers presented at the conference Modern Materials and Manufacturing 2025 (MMM2025), 6-8 May 2025 in Tallinn]

Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2025 / p. 91 <https://doi.org/10.3176/proc.2025.2.10>

Foreword : [special issue on biomedical engineering]

Fridolin, Ivo Proceedings of the Estonian Academy of Sciences 2014 / p. 199

Free vibration analysis of a functionally graded material beam : evaluation of the Haar wavelet method

Kirs, Maarjus; Karjust, Kristo; Aziz, Imran; Õunapuu, Erko; Tungel, Ernst Proceedings of the Estonian Academy of Sciences 2018 / p. 1-9 : ill <https://doi.org/10.3176/proc.2017.4.01> http://www.ester.ee/record=b2355998*est [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](#)

From scrap to product : the effect of recycled tungsten carbide and alumina content on the mechanical properties of oxide-carbide duplex ceramic composite

Kariminejad, Arash; Klimczyk, Piotr; Antonov, Maksim; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2025 / p. 192-197 <https://doi.org/10.3176/proc.2025.2.20>

F-seminorms on generalized double sequence spaces defined by modulus functions

Kolk, Enno; Raidjõe, Annemai Proceedings of the Estonian Academy of Sciences 2014 / p. 121-132
<https://doi.org/10.3176/proc.2014.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Functions' algebra in nonlinear control : computational aspects and software

Belikov, Juri; Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle; Shumsky, Alexey Ye.; Tõnso, Maris; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 89-107 <https://doi.org/10.3176/proc.2017.1.06> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gas sensing capability of spray deposited Al-doped ZnO thin films

Eensalu, Jako Siim; Katerski, Atanas; Mere, Arvo; Krunks, Malle Proceedings of the Estonian Academy of Sciences 2018 / p. 124-130 : ill <https://doi.org/10.3176/proc.2018.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A geometric approach to position tracking control of a nonholonomic planar rigid body : case study of an underwater vehicle

Simha, Ashutosh; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2020 / p. 215-227 : ill
<https://doi.org/10.3176/proc.2020.3.05> https://kirj.ee/public/proceedings_pdf/2020/issue_3/proc-2020-3-215-227.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Global linearization approach to nonlinear control systems : a brief tutorial overview

Belikov, Juri; Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2017 / p. 243-263
<https://doi.org/10.3176/proc.2017.3.01> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2824300*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth of Scenedesmus obliquus under artificial flue gas with a high sulphur concentration neutralized with oil shale ash

Podkuiko, Lara; Olt, Jüri; Kikas, Timo Proceedings of the Estonian Academy of Sciences 2017 / p. 151-158 : ill
<https://doi.org/10.3176/proc.2017.2.03> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820929*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Highlights in the research into complexity of nonlinear waves

Engelbrecht, Jüri; Berezovski, Arkadi; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2010 / p. 61-65
<https://doi.org/10.3176/proc.2010.2.01>

Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach

Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; Taleb, Masoud; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill https://artiklid.elnet.ee/record=b2768206*est <https://doi.org/10.3176/proc.2016.2.06>

Hot and cold regions during accumulative roll bonding of Al/Al₂O₃ nanofibre composites

Pramono, Agus; Kollo, Lauri; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 132-137 : ill https://artiklid.elnet.ee/record=b2768216*est <https://doi.org/10.3176/proc.2016.2.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Human-robot interaction : a conceptual framework for safety/risk analysis

Matsulevitš, Johannes; Majak, Jüri; Eerme, Martin; Sarkans, Martinš; Dunajeva, Olga; Kristjuhan-Ling, Kadri; Raamets, Tõnis; Kekšin, Vjatšeslav Proceedings of the Estonian Academy of Sciences 2025 / p. 137-142 <https://doi.org/10.3176/proc.2025.2.09>

Impact of laser fading on physico-mechanical properties and fibre morphology of multicomponent denim fabrics

Mandre, Nele; Plamus, Tiia; Linder, Angelika; Krumme, Andres; Rohumaa, Anti Proceedings of the Estonian Academy of Sciences 2023 / p. 145-153 <https://doi.org/10.3176/proc.2023.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 person-centredness under structural constraints: a case of HPV vaccination

Lubi, Kadi; Varsamaa, Merilin; Kala, Liis; Torop, Agnessa; Sildver, Kaire; Rooden, Mare Proceedings of the Estonian Academy of Sciences 2023 / p. 303-312 <https://doi.org/10.3176/proc.2023.3.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implications of the theory of turbulent mixing for wave propagation in media with fluctuating coefficient of refraction

Kalda, Jaan; Kree, Mihkel Proceedings of the Estonian Academy of Sciences 2015 / p. 285-290 : ill https://artiklid.elnet.ee/record=b2740540*est

Indoor climate conditions and hygrothermal loads in historic wooden apartment buildings in cold climates

Arumägi, Endrik; Kalamees, Targo; Kallavus, Urve Proceedings of the Estonian Academy of Sciences 2015 / p. 146-156 : ill https://artiklid.elnet.ee/record=b2727447*est <https://doi.org/10.3176/proc.2015.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of accelerated weathering on the mechanical and physical properties of wood-plastic composites

Kallakas, Heikko; Poltimäe, Triinu; Süld, Tiia-Maaja; Kers, Jaan; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2015 / p. 94-104 : ill <https://doi.org/10.3176/proc.2015.1S.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of cellulose content on thermal properties of poly(lactic) acid/cellulose and low-density polyethylene/cellulose composites

Šumigin, Dmitri; Tarasova, Elvira; Krumme, Andres; Viikna, Anti Proceedings of the Estonian Academy of Sciences 2012 / p. 237-244 : ill https://artiklid.elnet.ee/record=b2535727*est

The influence of fibre orientation in self-compacting concrete on 4-point bending strength

Herrmann, Heiko; Goidyk, Oksana; Naar, Hendrik; Tuisk, Tanel; Braunbrück, Andres Proceedings of the Estonian Academy of Sciences 2019 / p. 337-346 : ill http://www.kirj.ee/32397/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.3.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of guar gum/furcellaran and guar gum/carrageenan stabilizer systems on the rheological and sensorial properties of ice cream during storage

Klesment, Tiina; Stekolštšikova, Jelena; Laos, Katrin Proceedings of the Estonian Academy of Sciences 2014 / p. 193-198 : ill https://artiklid.elnet.ee/record=b2673982*est <https://doi.org/10.3176/proc.2014.2.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of hollow glass microspheres on the mechanical and physical properties and cost of particle reinforced polymer composites

Aruniit, Aare; Kers, Jaan; Majak, Jüri; Krumme, Andres; Tall, Kaspar Proceedings of the Estonian Academy of Sciences 2012 / p. 160-165 : ill https://artiklid.elnet.ee/record=b2535363*est

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](#)

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](#)

An international hands-on IoT education platform towards Industry 5.0

Sell, Raivo; Czekalski, Piotr; Tokarz, Krzysztof; Kuaban, Godlove Suila; Nikitenko, Agris; Berkolds, Karlis; Lipka, Lukas Proceedings of the Estonian Academy of Sciences 2025 / p. 198-204 <https://doi.org/10.3176/proc.2025.2.21>

Inverse problem to identify a space-dependent diffusivity coefficient in a generalized subdiffusion equation from final data

Janno, Jaan; Kasemets, Kairi; Kinash, Nataliia Proceedings of the Estonian Academy of Sciences 2022 / p. 3-15 <https://doi.org/10.3176/proc.2022.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ionic liquids as solvents for making composite materials from cellulose

Elhi, Fred; Aid, Tiina; Koel, Mihkel Proceedings of the Estonian Academy of Sciences 2016 / p. 255-266 : ill <https://doi.org/10.3176/proc.2016.3.09> https://artiklid.elnet.ee/record=b2798397*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kinetic modelling of wet oxidation treated debarking water

Kindsigo, Merit; Hautaniemi, Marjaana; Kallas, Juha Proceedings of the Estonian Academy of Sciences 2010 / 3, lk. 233-242 : ill

Lean in universities: assessing practicality across university functions

Kristjuhan-Ling, Kadri; Mahmood, Kashif Proceedings of the Estonian Academy of Sciences 2025 / p. 160-164 <https://doi.org/10.3176/proc.2025.2.14> <http://https://kirj.ee/proceedings-of-the-estonian-academy-of-sciences-publications/?filter%5Byear%5D=2025&filter%5Bissue%5D=1821&filter%5Bpublication%5D=16483&v=a57b8491d1d8>

Legacy of Nikolai Alumäe : theory of shells

Engelbrecht, Jüri; Kutser, Mati Proceedings of the Estonian Academy of Sciences 2015 / p. 139-145 https://artiklid.elnet.ee/record=b2727446*est <https://doi.org/10.3176/proc.2015.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lessons learnt from the first public buildings in Estonia intended to be passive houses

Raide, Indrek; Kalamees, Targo; Muring, Tõnu Proceedings of the Estonian Academy of Sciences 2015 / p. 157-167 : ill https://artiklid.elnet.ee/record=b2727449*est <https://doi.org/10.3176/proc.2015.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Life cycle analysis of electrical motor-drive system based on electrical machine type

Rassõlkin, Anton; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas; Heidari, Hamidreza; Asad, Bilal Proceedings of the Estonian Academy of Sciences 2020 / p. 162-177 : ill <https://doi.org/10.3176/proc.2020.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Life cycle assessment of laboratory-scale chitosan production: comparison of high-pressure processing-assisted and conventional methods

Bashiri, Bashir; Pinheiro, Ana Cristina De Aguiar Saldanha; Tappi, Silvia; Rocculi, Pietro; Kaleda, Aleksei; Vilu, Raivo Proceedings of the Estonian Academy of Sciences 2025 / p. 1-14 : ill <https://doi.org/10.3176/proc.2025.1.01>

Lightweight CNN-based Microfluidic Droplet Classification for Portable Imaging Flow Cytometry

Afrin, Fariha; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas Proceedings of the Estonian Academy of Sciences 2025 / p. 302-311 <https://doi.org/10.3176/proc.2025.2S.05>

Linear inequalities via least squares

Übi, Evald Proceedings of the Estonian Academy of Sciences 2013 / p. 238-248 https://artiklid.elnet.ee/record=b2651803*est
<https://doi.org/10.3176/proc.2013.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linearization by input-output injections on homogeneous time scales

Ciulkin, Monika; Kaparin, Vadim; Kotta, Ülle; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2014 / p. 387-397 https://artiklid.elnet.ee/record=b2707375*est <https://doi.org/10.3176/proc.2014.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linearization of discrete-time control system by state transformation

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2021 / p. 62–79 <https://doi.org/10.3176/proc.2021.1.09>
https://kirj.ee/wp-content/plugins/kirj/pub/proc-1-2021-62-79_20210630094644.pdf?v=a57b8491d1d8 [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 analysis of multi-surface TPMS lattices for bone applications

Hussainova, I.; Rezapourian, M. Proceedings of the Estonian Academy of Sciences 2025 / p. 222-227
<https://doi.org/10.3176/proc.2025.2.25>

Mechanical and physical properties of industrial hemp-based insulation materials

Kallakas, Heikko; Närep, Merili; Närep, Aivo; Poltimäe, Triinu; Kers, Jaan Proceedings of the Estonian Academy of Sciences 2018 / p. 183-192 : ill <https://doi.org/10.3176/proc.2018.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Men's perceptions of the supportive use of health communication tools during the ante- und postnatal period

Trei, Hanna-Maria; Lubi, Kadi; Haage, Barbara Proceedings of the Estonian Academy of Sciences 2023 / p. 259-266
<https://doi.org/10.3176/proc.2023.3.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metabolism of copper and possibilities for its regulation

Palumaa, Peep Proceedings of the Estonian Academy of Sciences 2023 / p. 382-392 <https://doi.org/10.3176/proc.2023.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for the measurement and estimation of pedestrian and cycle traffic at level crossings

Jairus, Tanel; Metlitski, Stanislav; Kask, Mihkel; Kõrbe Kaare, Kati Proceedings of the Estonian Academy of Sciences 2025 / p. 126-131 <https://doi.org/10.3176/proc.2025.2.07>

Model checking of emergent behaviour properties of robot swarms

Juurik, Silver; Vain, Jüri Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 48-54 : ill
https://www.researchgate.net/publication/228525009_Model_checking_of_emergent_behaviour_properties_of_robot_swarms

Model matching problem for discrete-time nonlinear systems

Belikov, Juri; Halas, Miroslav; Kotta, Ülle; Moog, Claude Proceedings of the Estonian Academy of Sciences 2015 / p. 457-472 : ill
https://artiklid.elnet.ee/record=b2750720*est <https://doi.org/10.3176/proc.2015.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 stormwater runoff, quality, and pollutant loads in a large urban catchment

Maharjan, Bharat; Pachel, Karin; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2017 / p. 225-242 : ill
<https://doi.org/10.3176/proc.2017.3.02> http://www.estser.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2824298*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Modified particle swarm optimization algorithm based on gravitational field interactions

Spitšakova, Margarita Proceedings of the Estonian Academy of Sciences 2016 / p. 15-27 : ill <https://doi.org/10.3176/proc.2016.1.01>

Modified transfer matrix method for steady-state forced vibration : a system of bar elements

Lahe, Andres; Braunbrück, Andres; Klauson, Aleksander Proceedings of the Estonian Academy of Sciences 2020 / p. 143–161 : ill <https://doi.org/10.3176/proc.2020.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified transfer matrix method for steady-state forced vibration : a system of beam elements

Lahe, Andres Proceedings of the Estonian Academy of Sciences 2020 / p. 235-256 : ill <https://doi.org/10.3176/proc.2020.3.07> https://kirj.ee/wp-content/plugins/kirj/pub/proc-2020-3-235-256_20200717112033.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modular smart control system architecture for the mobile robot platform

Sell, Raivo; Väljaots, Eero; 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](#)

Molecular scale organized polyconjugated polymer-heteropolyacid composites

Kulak, Anatoly; Kokorin, Alexander; Kulak, Tamara; Meissner, Dieter Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 12-17 : ill

Molecularly imprinted polymers : a new approach to the preparation of functional materials

Õpik, Andres; Menaker, Anna; Reut, Jekaterina; Sõritski, Vitali Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 3-11 : ill

Monitoring of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and polychlorinated biphenyls in Estonian food

Roots, Ott; Kiviranta, Hannu; Pitsi, Tagli; Rantakokko, Panu; Ruokojärvi, Päivi; Simm, Mart; Vokk, Raivo; Järv, Leili Proceedings of the Estonian Academy of Sciences 2011 / 3, p. 193-200 : ill https://artiklid.elnet.ee/record=b2424643*est

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](#)

New face of the Proceedings of the Estonian Academy of Sciences

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2008 / p. 1 : portr

Newton observer for a nonlinear flux-controlled AMB system

Mystkowski, Arkadiusz; Kotta, Ülle; Kaparin, Vadim Proceedings of the Estonian Academy of Sciences 2018 / p. 61-72 : ill <https://doi.org/10.3176/proc.2018.1.03> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear dispersive wave equations for microstructured solids

Berezovski, Arkadi Proceedings of the Estonian Academy of Sciences 2015 / p. 203-211 https://artiklid.elnet.ee/record=b2740520*est <https://doi.org/10.3176/proc.2015.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear wave motion and complexity

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2010 / p. 66-71 <https://doi.org/10.3176/proc.2010.2.02>

Novel droop control strategy for indirect battery management in DC nanogrids

Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei Proceedings of the Estonian Academy of Sciences 2024 / p. 345-355 <https://doi.org/10.3176/proc.2024.4.03>

Novel method for producing electrospun composite nanofibre yarns

Viirsalu, Mihkel; Savest, Natalja; Plamus, Tiia; Vassiljeva, Viktoria; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 169-174 : ill <https://doi.org/10.3176/proc.2018.2.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel method for rapid assessment of the performance and complexity of small wastewater treatment plants

Kõrgmaa, Vallo; Tenno, Taavo; Pachel, Karin; Iital, Arvo Proceedings of the Estonian Academy of Sciences 2019 / p. 32-42 : ill <https://doi.org/10.3176/proc.2019.1.03> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-32-42.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical modeling of fragment flight dynamics

Kivistik, Lenart; Mehrparvar, Marmar; Eerme, Martin; Dieves, Veiko; Majak, Jüri Proceedings of the Estonian Academy of Sciences 2025 / p. 120-125 <https://doi.org/10.3176/proc.2025.2.06>

Numerical simulation of grid-generated turbulent particulate flow by three-dimensional Reynolds stress
Kartušinski, Aleksander; Rudi, Ülo; Stock, David; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Šablinski, Aleksandr
Proceedings of the Estonian Academy of Sciences 2013 / p. 161-174 : ill <https://doi.org/10.3176/proc.2013.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of the propagation of ship-induced Riemann waves of depression into the Venice Lagoon
Rodin, Artem; Soomere, Tarmo; Parnell, Kevin Ellis; Zaggia, Luca Proceedings of the Estonian Academy of Sciences 2015 / p. 22-35 : ill https://artiklid.elnet.ee/record=b2717480*est <https://doi.org/10.3176/proc.2015.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical study of upward particulate pipe flows at a constant Reynolds number
Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor; Šablinski, Aleksandr Proceedings of the Estonian Academy of Sciences 2013 / p. 97-108 : ill <https://doi.org/10.3176/proc.2013.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Observable space of the nonlinear control system on a homogeneous time scale
Kaparin, Vadim; Kotta, Ülle; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2014 / p. 11-25
https://artiklid.elnet.ee/record=b2665198*est <https://doi.org/10.3176/proc.2014.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at Scopus](#) [Article at WOS](#)

Observer-based residual generation for nonlinear discrete-time systems
Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2018 / p. 325-336
<https://doi.org/10.3176/proc.2018.4.01> http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-325-336.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ocean acidification research in Estonia: challenges and opportunities
Pajusalu, Liina; Dupont, Sam; Lainela, Silvie; Martin, Georg Proceedings of the Estonian Academy of Sciences 2019 / p. 22-31 : ill
<https://doi.org/10.3176/proc.2019.1.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-22-31.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Off-line determination of trace silver in water samples and standard reference materials by cloud point extraction-atomic absorption spectrometry
Kilinc, Ersin; Lepane, Viia; Viitak, Anu; Gumgum, Bahattin Proceedings of the Estonian Academy of Sciences 2009 / 3, p. 190-196

On approximation by Blackman- and Rogosinski-type operators in Banach space
Kivinukk, Andi; Saksa, Anna Proceedings of the Estonian Academy of Sciences 2016 / p. 205-219
<http://dx.doi.org/10.3176/proc.2016.3.01> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2798392*est

On approximation processes defined by a cosine operator function
Kivinukk, Andi; Saksa, Anna; Zeltser, Maria Proceedings of the Estonian Academy of Sciences 2017 / p. 214-224
<https://doi.org/10.3176/proc.2017.2.11> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820949*est

On chaos control in hierarchical multi-agent systems
Kälo, Rommi; Eerme, Martin; Reedik, Vello Proceedings of the Estonian Academy of Sciences 2015 / p. 17-21 : ill
https://artiklid.elnet.ee/record=b2717478*est <https://doi.org/10.3176/proc.2015.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On conformal geospatial transformations with complex polynomials
Lippus, Jüri; Oja, Tõnu Proceedings of the Estonian Academy of Sciences 2012 / p. 65-70 : ill
https://www.kirj.ee/public/proceedings_pdf/2012/issue_1/Proc-2012-1-65-70.pdf

On determinability of idempotent medial commutative quasigroups by their endomorphism semigroups
Leibak, Alar; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2011 / 2, p. 81-87

On dispersion properties of surface motions in the Gulf of Finland
Soomere, Tarmo; Viidebaum, Mikk; Kalda, Jaan Proceedings of the Estonian Academy of Sciences 2011 / 4, lk. 269-279 : ill

On endomorphisms of groups of order 32 with maximal subgroups $C_4 \times C_2 \times C_2$
Puusemp, Piret; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2014 / p. 105-120
https://artiklid.elnet.ee/record=b2673949*est <https://doi.org/10.3176/proc.2014.2.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On endomorphisms of groups of order 32 with maximal subgroups $C_8 \times C_2$
Puusemp, Piret; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2014 / p. 355-371
<https://doi.org/10.3176/proc.2014.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On endomorphisms of groups of order 32 with maximal subgroups C24 or C42

Puusemp, Piret; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2016 / p. 1-14

<https://doi.org/10.3176/proc.2016.1.04> https://artiklid.elnet.ee/record=b2760708*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On endomorphisms of groups of order 36

Leibak, Alar; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2016 / p. 237-254

<https://doi.org/10.3176/proc.2016.3.06> https://artiklid.elnet.ee/record=b2798395*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On endomorphisms of groups of orders 37-47

Leibak, Alar; Puusemp, Peeter Proceedings of the Estonian Academy of Sciences 2017 / p. 137-150

<https://doi.org/10.3176/proc.2017.2.04> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820926*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On mechanical aspects of nerve pulse propagation and the Boussinesq paradigm

Peets, Tanel; Tamm, Kert Proceedings of the Estonian Academy of Sciences 2015 / p. 331-337 : ill

https://artiklid.elnet.ee/record=b2740556*est <https://doi.org/10.3176/proc.2015.3S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On mechanisms of electromechanophysiological interactions between the components of signals in axons

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2020 / p. 81-96 : ill

<https://doi.org/10.3176/proc.2020.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On modelling wave motion in microstructured solids

Randrüüt, Merle; Salupere, Andrus; Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2009 / 4, p. 241-246 : ill

On periodic waves governed by the extended Korteweg-de Vries equation

Braun, Manfred; Randrüüt, Merle Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 133-138 : ill

https://artiklid.elnet.ee/record=b2160578*est

On perturbative solutions for nonlinear waves in homogeneous materials

Ravasoo, Arvi Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 145-149

On submersivity assumption for nonlinear control systems on homogeneous time scales

Kotta, Ülle; Rehák, Branislav; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2011 / 1, 25-37

On the acceleration of convergence by regular matrix methods

Aasma, Ants Proceedings of the Estonian Academy of Sciences 2008 / 1, p. 3-17

On the complexity of signal propagation in nerve fibres

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert; Laasmaa, Martin; Vendelin, Marko Proceedings of the Estonian Academy of Sciences 2018 / p. 28-38 : ill

<https://doi.org/10.3176/proc.2017.4.28> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2835629*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the differentiation of a composite function with a generalized vector argument on homogeneous time scales

Kaparin, Vadim; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2017 / p. 309-322 : tab

<https://doi.org/10.3176/proc.2017.3.04> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2824309*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the effect of finite-time correlations on the turbulent mixing in smooth chaotic compressible velocity fields

Ainsaari, Siim; Kalda, Jaan Proceedings of the Estonian Academy of Sciences 2014 / p. 1-7 : ill

https://artiklid.elnet.ee/record=b2717475*est <https://doi.org/10.3176/proc.2015.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of the rheological boundary conditions on the fibre orientations in the production of steel fibre reinforced concrete elements

Herrmann, Heiko; Lees, Aarne Proceedings of the Estonian Academy of Sciences 2016 / p. 408-413 : ill

<https://doi.org/10.3176/proc.2016.4.08> https://artiklid.elnet.ee/record=b2808646*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the phenomenological modelling of physical phenomena

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2024 / p. 264-278 : ill

<https://doi.org/10.3176/proc.2024.3.10>

On the propagation of solitary waves in Mindlin-type microstructured solids

Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 118-125 : ill

On the properties of forward and backward shifts of vector fields

Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle; Mullari, Tanel; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2022 / p. 314-325 <https://doi.org/10.3176/proc.2022.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the transformation of a nonlinear discrete-time input-output system into the strong row-reduced form

Bartosiewicz, Zbigniew; Belikov, Juri; Kotta, Ülle; Tõnso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2016 / p. 220-236 <https://doi.org/10.3176/proc.2016.3.02> https://artiklid.elnet.ee/record=b2798394*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 reinforcement content of powder metallurgy hardfacings in abrasive wear conditions

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill https://artiklid.elnet.ee/record=b2768203*est <https://doi.org/10.3176/proc.2016.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Output signal based combination of two NLMS adaptive filters - transient analysis

Trump, Tõnu Proceedings of the Estonian Academy of Sciences 2011 / 4, p. 258-268 : ill

An overview of smart workplace solutions and potential improvement areas

Kelpman, Karolin; Karjust, Kristo; Majak, Jüri Proceedings of the Estonian Academy of Sciences 2025 / p. 155-159 <https://doi.org/10.3176/proc.2025.2.13>

Overview of the development of cybersecurity in data transmission protocols used in industry

Ponomar, Sergei; Sarkans, Martinš Proceedings of the Estonian Academy of Sciences 2025 / 6, p. 143-148 <https://doi.org/10.3176/proc.2025.2.11>

Parameterization of run-up characteristics for long bell-shaped solitary waves propagating in a bay of parabolic cross-section

Didenkulov, Oleg; Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2015 / p. 234-239 : ill <https://doi.org/10.3176/proc.2015.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A parametric framework for the development of bioelectrical applications : application to a bio-impedance signal simulator

Muhammad, Yar; Annus, Paul; Le Moullec, Yannick; Rang, Toomas Proceedings of the Estonian Academy of Sciences 2016 / p. 345-357 : ill <https://doi.org/10.3176/proc.2016.4.03> [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 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](#)

Photoplethysmographic signal rising front analysis for the discrimination of subjects with increased arterial ageing

Pilt, Kristjan; Meigas, Kalju; Kõõts, Kristina; Viigimaa, Margus Proceedings of the Estonian Academy of Sciences 2014 / p. 221-226 : ill

Plasma-transferred arc-welded composite hardfacings with ZrB₂ and TiC reinforcements

Melakh, Liudmyla; Surzhenkov, Andrei; Juhani, Kristjan; Viljus, Mart; Traksmaa, Rainer; Vedel, Dmytro Proceedings of the Estonian Academy of Sciences 2025 / p. 165-169 <https://doi.org/10.3176/proc.2025.2.15>

Plasmochemical process for the production of niobium and tantalum nanopowders

Grabis, Janis; Munter, Rein; Blagoveshchenskiy, Yuri; Gorkunov, Valeri; Yamshchikov, Leonid Proceedings of the Estonian Academy of Sciences 2012 / p. 137-145 : ill

Polycrystalline CuIn₃Se₅ thin film photoabsorber deposited by the pulsed laser deposition technique

Tverjanovich, Andrey; Bereznev, Sergei; Borisov, Evgeny N.; Kim, Dongsoo; Kois, Julia; Laes, Kristjan; Volobujeva, Olga; Öpik, Andres; Mellikov, Enn; Tveryanovich, Yuri S. Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 24-28 : ill

Polynomial accessibility condition for the multi-input multi-output nonlinear control system

Kotta, Ülle; Tõnso, Maris; Kawano, Yu Proceedings of the Estonian Academy of Sciences 2014 / p. 136-150

https://artiklid.elnet.ee/record=b2673962*est <https://doi.org/10.3176/proc.2014.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A polynomial approach to a nonlinear model matching problem

Belikov, Juri; Halas, Miroslav; **Kotta, Ülle;** Moog, Claude Proceedings of the Estonian Academy of Sciences 2016 / p. 330-344 : ill

<https://doi.org/10.3176/proc.2016.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Popov form and the explicit equations of inverse systems

Bartosiewicz, Zbigniew; **Kotta, Ülle;** Pawluszewicz, Ewa; Tõnso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2018 / p. 432-355 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-342-355.pdf

<https://doi.org/10.3176/proc.2018.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Possible agricultural use of digestate

Kuusik, Argo; Pachel, Karin; Kuusik, Aare; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2017 / p. 64-74 : ill

<https://doi.org/10.3176/proc.2017.1.10> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2816061*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictive smart thermostat controller for heating, ventilation, and air-conditioning systems

Soudari, Mallikarjun; **Kaparin, Vadim;** Srinivasan, Seshadhri; Seshadhri, Subathra; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2018 / p. 291-299 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_3/proc-2018-3-291-299.pdf

<https://doi.org/10.3176/proc.2018.3.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictive tools for the isothermal hardening of strip steel parts in molten salt

Jaason, Karli; Peetsalu, Priidu; Saarna, Mart; Beilmann, Jüri Proceedings of the Estonian Academy of Sciences 2016 / p. 152-158 : ill https://artiklid.elnet.ee/record=b2768223*est <https://doi.org/10.3176/proc.2016.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Õpik, Andres Proceedings of the Estonian Academy of Sciences 2009 / p. 1-2

Preface

Engelbrecht, Jüri; Herrmann, Heiko; Van, Peter Proceedings of the Estonian Academy of Sciences 2008 / 3, p. 117

Preface

Penjam, Jaan Proceedings of the Estonian Academy of Sciences 2013 / p. 1-2

Preface : [BALTMATTRIB 2015]

Kulu, Priit Proceedings of the Estonian Academy of Sciences 2016 / p. 89 https://artiklid.elnet.ee/record=b2768201*est

Preparation of nanostructured carbon materials

Perez-Caballero, Fernando; Peikolainen, Anna-Liisa; Koel, Mihkel Proceedings of the Estonian Academy of Sciences 2008 / 1, p. 48-53 : ill

Principal component analysis of HPLC-MS/MS patterns of wheat (Triticum aestivum) varieties

Levandi, Tuuli; Püssa, Tõnu; **Vaher, Merike;** Ingver, Anne; Koppel, Reine; **Kaljurand, Mihkel** Proceedings of the Estonian Academy of Sciences 2014 / p. 86-92 : ill https://artiklid.elnet.ee/record=b2665228*est <https://doi.org/10.3176/proc.2014.1.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Proceedings of the Estonian Academy of Sciences celebrates volume 70

Järv, Jaak; **Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 1-2 : phot

<https://doi.org/10.3176/proc.2021.1.05> https://kirj.ee/wp-content/plugins/kirj/pub/proc-1-2021-1-2_20210218113638.pdf

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 and modification

Snatkin, Aleksei; Eiskop, Tanel; Karjust, Kristo; Majak, Jüri Proceedings of the Estonian Academy of Sciences 2015 / p. 567-580 : ill https://artiklid.elnet.ee/record=b2750888*est <https://doi.org/10.3176/proc.2015.4S.04> [Journal metrics at Scopus](#) [Article at Scopus](#)

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 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](#)

Properties of chitin extracted from Estonian mushrooms

Baumgartner, Stephanie; Viirsalu, Mihkel; Krumme, Andres; Mendez, James Proceedings of the Estonian Academy of Sciences 2019 / p. 333-336 : ill http://www.kirj.ee/32362/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.3.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Protective coatings for the graphite facing in calcium-aluminothermal processes

Obabkov, Nikolai; Gorkunov, Valeri; Munter, Rein; Beketov, Askold Proceedings of the Estonian Academy of Sciences 2008 / 1, p. 54-60 : ill https://artiklid.elnet.ee/record=b2381778*est

Quantification of changes in the beach volume by the application of an inverse of the Bruun Rule and laser scanning technology

Eelsalu, Maris; Soomere, Tarmo; Julge, Kalev Proceedings of the Estonian Academy of Sciences 2015 / p. 240-248 : ill
https://artiklid.elnet.ee/record=b2740531*est <https://doi.org/10.3176/proc.2015.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantum of V_{IIa} , $I_{IIa}=1$, $V_{Ia}=1$ over the harmonic oscillator in semiclassical approximation

Paal, Eugen; Virkepu, Jüri Proceedings of the Estonian Academy of Sciences 2010 / 4, p. 347-354

Rapid semi-quantitative determination of aspen lignin in lignocellulosic products

Kallavus, Urve; Kärner, Kristi; Kärner, Kärt; Elomaa, Matti Antero Proceedings of the Estonian Academy of Sciences 2015 / p. 105-112 : ill <https://doi.org/10.3176/proc.2015.1S.06> https://artiklid.elnet.ee/record=b2716368*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raytraced images for testing the reconstruction of fibre orientation distributions

Eik, Marika; Hermann, Heiko Proceedings of the Estonian Academy of Sciences 2012 / p. 128-136 : ill

RC bridge management optimisation considering condition assessment uncertainties

Sein, Sander; Campos Matos, Jose; Idnurm, Juhan; Kiisa, Martti; Coelho, Mario Proceedings of the Estonian Academy of Sciences 2021 / p. 172-189 : ill <https://doi.org/10.3176/proc.2021.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 of tantalum pentoxide with aluminium and calcium : thermodynamic modelling and scale skilled tests

Munter, Rein; Parshin, Anatoli; Yamshchikov, Leonid; Plotnikov, Vladimir; Gorkunov, Valeri; Kober, Viktor Proceedings of the Estonian Academy of Sciences 2010 / 3, lk. 243-252 : ill

Regime shifts in the surface-level average air flow over the Gulf of Finland during 1981-2010

Keevallik, Sirje; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2014 / p. 428-437 : ill
https://artiklid.elnet.ee/record=b2707382*est <https://doi.org/10.3176/proc.2014.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Remarks on the realization of time-varying systems

Kotta, Ülle; Moog, Claude; Tõnso, Maris Proceedings of the Estonian Academy of Sciences 2018 / p. 208-216
http://www.kirj.ee/public/proceedings_pdf/2018/issue_3/proc-2018-3-207-216.pdf <https://doi.org/10.3176/proc.2018.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reminiscences about 20 years of cooperation on biomedical engineering between Finland and the Baltic States

Malmivuo, Jaakko Proceedings of the Estonian Academy of Sciences 2014 / p. 211-212 : phot
https://artiklid.elnet.ee/record=b2680541*est

Removal of heavy metals and total organic carbon from wastewater using powdered activated carbon

Lember, Erki; Pachel, Karin; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2019 / p. 100–110 : ill

<https://doi.org/10.3176/proc.2019.1.10> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-100-110.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Removal of mechanical additives from the surface of cast niobium

Gorkunov, Valeri; Kogtev, Mihhail; Munter, Rein Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 241-246 : ill

Removal of radionuclides from Estonian groundwater using aeration, oxidation, and filtration

Lumiste, Liie; Munter, Rein; Sutt, Johannes; Kivimäe, Tiit; Eensalu, Toivo Proceedings of the Estonian Academy of Sciences 2012 / p. 58-64 : ill

Removing the input derivatives in the generalized bilinear state equations

Mullari, Tanel; Kotta, Ülle; Kotta, Palle; Tõnso, Maris; Zinober, Alan Proceedings of the Estonian Academy of Sciences 2009 / 2, p. 98-107 <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=b053956e3600449843044b1022ebefc6d5d19df8>

Risk assessment approach for a virtual enterprise of small and medium-sized enterprises

Mahmood, Kashif; Sevtšenko, Eduard; Karaulova, Tatjana; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2018 / p. 17-27 : ill <https://doi.org/10.3176/proc.2017.4.27> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Risk assessment of machinery supported by the Bayesian approach

Sivitski, Alina; Põdra, Priit Proceedings of the Estonian Academy of Sciences 2025 / p. 92-97 <https://doi.org/10.3176/proc.2025.2.01>

Road condition estimation using deep learning with hyperspectral images : detection of water and snow

Valme, Daniil; Galindos, Javier; Chamara Liyanage, Dhanushka; Chamara Liyanage, Dhanushka Proceedings of the Estonian Academy of Sciences 2024 / p. 77-91 <https://doi.org/10.3176/proc.2024.1.09>

Robust state controller via reflection coefficient assignment

Nurges, Ülo Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 38-47 https://artiklid.elnet.ee/record=b2284199*est

ROS middle-layer integration into Unity3D as an interface option for propulsion drive simulations of autonomous vehicles

Kuts, Vladimir; Rassõlkin, Anton; Jegorov, Sergei; Rjabtšikov, Viktor Proceedings of the Estonian Academy of Sciences 2021 / p. 392-398 : ill <https://doi.org/10.3176/proc.2021.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Shock wave propagation in nonlinear microstructured wool felt

Stulov, Anatoli; Erofeev, Vladimir Proceedings of the Estonian Academy of Sciences 2015 / p. 361-367 : ill

https://artiklid.elnet.ee/record=b2740570*est <https://doi.org/10.3176/proc.2015.3S.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Signals in nerves from the philosophical viewpoint

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2022 / p. 369-375 : ill <https://doi.org/10.3176/proc.2022.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Significant impact of the Rh blood group and gender on influenza infection in Estonia

Kärdi, Liina; Nutt, Anu; Suurväli, Jaanus; Siimut, Siim Erik; Põdersoo, Diivi; Saar, Tiiu; Tiivel, Toomas, geenit.; Rüütel Boudinot, Sirje Proceedings of the Estonian Academy of Sciences 2016 / p. 195-204 : ill <https://doi.org/10.3176/proc.2016.3.04> https://artiklid.elnet.ee/record=b2798391*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation based feasibility analysis of autonomously movable robot arm

Vaher, Kristo; Mahmood, Kashif; Otto, Tauno; Riives, Jüri Proceedings of the Estonian Academy of Sciences 2021 / p. 422-428 : ill <https://doi.org/10.3176/proc.2021.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of solitary wave propagation in carbon fibre reinforced polymer

Lints, Martin; Salupere, Andrus; Dos Santos, Serge Proceedings of the Estonian Academy of Sciences 2015 / p. 297-303 : ill <https://doi.org/10.3176/proc.2015.3.14> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Situational awareness in autonomous shuttle buses

Kalda, Krister; Koskinen, Kari M.; Sarv, Lill; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2025 / p. 212-216 <https://doi.org/10.3176/proc.2025.2.23> https://kirj.ee/wp-content/plugins/kirj/pub/proc-2-2025-212-216_20250519131011.pdf?v=a57b8491d1d8

Software-based self-test generation for microprocessors with high-level decision diagrams

Jasnetski, Artjom; Ubar, Raimund-Johannes; Tšertov, Anton; Brik, Marina Proceedings of the Estonian Academy of Sciences 2014 / p. 48-61 : ill https://artiklid.elnet.ee/record=b2665215*est <https://doi.org/10.3176/proc.2014.1.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some approximate Gauss–Newton-type methods for nonlinear ill-posed problems

Kangro, Inga; Kangro, Raul; Vaarmann, Otu Proceedings of the Estonian Academy of Sciences 2013 / p. 227-237

https://artiklid.elnet.ee/record=b2651797*est <https://doi.org/10.3176/proc.2013.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some comments on the theory of short fibre reinforced materials

Herrmann, Heiko; Eik, Marika Proceedings of the Estonian Academy of Sciences 2011 / 3, p. 179-183 : ill

Spark plasma sintering of layered γ -Al₂O₃/graphene reinforced nanocomposites

Saffarshamshirgar, Ali; Ivanov, Roman; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2019 / p. 140–144

: ill <https://doi.org/10.3176/proc.2019.2.04> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-140-144.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Specific statistical properties of the strength of links and nodes of the Estonian network of payments

Rendon de la Torre, Stephanie; Kalda, Jaan; Kitt, Robert Proceedings of the Estonian Academy of Sciences 2019 / p. 235–243 :

ill <https://doi.org/10.3176/proc.2019.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spectral asymmetry index and Higuchi's fractal dimension for detecting microwave radiation effect on electroencephalographic signal

Bachmann, Maie; Lass, Jaanus; Suhhova, Anna; Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p.

234-239 : ill https://artiklid.elnet.ee/record=b2680563*est

Stability and stabilizability of linear time-delay systems on homogeneous time scales

Belikov, Juri; Bartosiewicz, Zbigniew Proceedings of the Estonian Academy of Sciences 2017 / p. 124-136

<https://doi.org/10.3176/proc.2017.2.02> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820925*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Static state feedback linearizability : relationship between two methods

Mullari, Tanel; Kotta, Ülle; Tõnso, Maris Proceedings of the Estonian Academy of Sciences 2011 / 2, p. 121-135

https://artiklid.elnet.ee/record=b2413961*est

Statistical characteristics of coefficients of a cubic approximation of isotherms of surface active substance films

Averbukh, Elena; Talipova, Tatyana; Kurkin, Andrey; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2014 / p.

417-427 : ill <https://doi.org/10.3176/proc.2014.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Statistics of different public forecast products of temperature and precipitation in Estonia

Keevallik, Sirje; Spirina, Natalja; Sula, Eva-Maria; Vau, Inga Proceedings of the Estonian Academy of Sciences 2014 / p. 174-182 :

ill <https://doi.org/10.3176/proc.2014.2.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure and curing mechanism of resol phenol-formaldehyde prepolymer resins

Christjanson, Peep; Pehk, Tõnis; Paju, Jane Proceedings of the Estonian Academy of Sciences 2010 / 3, lk. 225-232 : ill

Structure formation and characteristics of chromium carbide-iron-titanium cermets

Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer Proceedings of the Estonian Academy of Sciences

2016 / p. 138-143 : ill <https://doi.org/10.3176/proc.2016.2.09> https://artiklid.elnet.ee/record=b2768217*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure of phenol-formaldehyde polycondensates

Paju, Jane; Pehk, Tõnis; Christjanson, Peep Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 45-52

Study of submerged and plasma arc welded composite hardfacings with a novel Cr₃C₂-Ni reinforcement

Bendikiene, Regita; Surženkov, Andrei; Tkachivskyi, Dmytro; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer; Antonov,

Maksim; Kulu, Priit Proceedings of the Estonian Academy of Sciences 2019 / p. 150–157 : ill <https://doi.org/10.3176/proc.2019.2.06> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-150-157.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Suitability analysis of using industrial robots in manufacturing

Kangru, Tavo; Riives, Jüri; Mahmood, Kashif; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2019 / p. 383–

388 : ill http://www.kirj.ee/32687/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synchronizing physical factory and its digital twin through an IIoT middleware : a case study

Kuts, Vladimir; Modoni, Gianfranco E.; Otto, Tauno; Sacco, Marco; Tähemaa, Toivo; Bondarenko, Yevhen; Wang, Ruxin

Proceedings of the Estonian Academy of Sciences 2019 / p. 364–370 : ill http://www.kirj.ee/32660/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis of 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one, a D-ring precursor of 9,11-secoosterols
Kõllo, Marek; Rõuk, Kristi; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2022 / p. 307-313 : ill
<https://doi.org/10.3176/proc.2022.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tailoring the microstructure and tribological properties in commercially pure aluminium processed by High Pressure Torsion Extrusion
Omranpour Shahreza, Babak; Kommel, Lembit; Sergejev, Fjodor; Ivanisenko, Yulia; Antonov, Maksim Proceedings of the Estonian Academy of Sciences 2021 / p. 540-548 : ill <https://doi.org/10.3176/proc.2021.4.23> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Technology for the removal of radionuclides from natural water and waste management : state of the art
Munter, Rein Proceedings of the Estonian Academy of Sciences 2013 / p. 122-132 https://artiklid.elnet.ee/record=b2624277*est
<https://doi.org/10.3176/proc.2013.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Temperature extremes and detection of heat and cold waves at three sites in Estonia
Keevallik, Sirje; Vint, Kairi Proceedings of the Estonian Academy of Sciences 2015 / p. 473-479 : ill
https://artiklid.elnet.ee/record=b2750721*est <https://doi.org/10.3176/proc.2015.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ten years of the renewed Proceedings of the Estonian Academy of Sciences
Engelbrecht, Jüri; Järv, Jaak Proceedings of the Estonian Academy of Sciences 2018 / p. 303-304 : phot
http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-303-304.pdf https://www.eester.ee/record=b2355998*est
https://artiklid.elnet.ee/record=b2868162*est

Tensor series expansion of a spherical function for the use in constitutive theory of materials containing orientable particles
Herrmann, Heiko; Beddig, Miriam Proceedings of the Estonian Academy of Sciences 2018 / p. 73-92 : ill
<https://doi.org/10.3176/proc.2018.1.04> http://www.eester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Testing marine data assimilation in the northeastern Baltic using satellite SST products from the Copernicus Marine Environment Monitoring Service
Zujev, Mihhail; Elken, Jüri Proceedings of the Estonian Academy of Sciences 2018 / p. 217-230 : ill
<https://doi.org/10.3176/proc.2018.3.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The concepts of Lie derivative for discrete-time systems
Mullari, Tanel; Kotta, Ülle; Bartosiewicz, Zbigniew; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2012 / p. 253-265 : ill

The ecological state of Lake Peipsi (Estonia/Russia) : improvement, stabilization or deterioration?
Blank, Kätlin; **Loigu, Enn**; Laugaste, Reet; Haberman, Jutta Proceedings of the Estonian Academy of Sciences 2017 / p. 18-28 : ill
<https://doi.org/10.3176/proc.2017.1.02> http://www.eester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2816053*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of modality on linear low-density polyethylene crystallization behaviour at high and very high supercoolings
Märtson, Triin; Krumme, Andres; Gavrilkina, Veronika; Viikna, Anti Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 53-57 : ill https://artiklid.elnet.ee/record=b1452126*est

The effect of water and zinc loading on LPG catalytic cracking for light olefin production using Response Surface Methodology
Barghi, Bijan; Niidu, Allan; Karimzadeh, Ramin Proceedings of the Estonian Academy of Sciences 2021 / p. 135-147 : ill
<https://doi.org/10.3176/proc.2021.2.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Estonian H1N1 influenza 2009 outbreak was highly underestimated
Saar, Regina; Põdersoo, Diivi; Järvelaid, Mari; Tuubel, Linda; **Suurväli, Jaanus; Nutt, Anu; Saaremäe, Merle**; Saar, Tiiu; **Rüütel Boudinot, Sirje** Proceedings of the Estonian Academy of Sciences 2012 / p. 320-329 : ill

The role of silicon in the hot dip galvanizing process
Sepper, Sirli; Peetsalu, Priidu; Kulu, Priit; Saarna, Mart; Mikli, Valdek Proceedings of the Estonian Academy of Sciences 2016 / p. 159-165 : ill https://artiklid.elnet.ee/record=b2768226*est <https://doi.org/10.3176/proc.2016.2.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The strong Popov form of nonlinear input-output equations
Bartosiewicz, Zbigniew; Pawluszewicz, Ewa; Wyrwas, Małgorzata; **Kotta, Ülle; Tönso, Maris** Proceedings of the Estonian Academy of Sciences 2018 / p. 193-206 <https://doi.org/10.3176/proc.2018.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The wear of PVD coated elements in oscillation motion at high temperature

Michalczewski, Remigiusz; Kalbarczyk, Marek; Slomka, Zbigniew; **Liu, Le; Antonov, Maksim; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2021 / p. 500-507 : ill <https://doi.org/10.3176/proc.2021.4.18> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Theorem on the differentiation of a composite function with a vector argument

Kaparin, Vadim; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2010 / 3, p. 195-200
https://artiklid.elnet.ee/record=b2163022*est

Thermal annealing of sequentially deposited SnS thin films

Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Aragon, Rebeca; **Kerm, Karin; Naidu, Revathi; Mikli, Valdek; Volobujeva, Olga** Proceedings of the Estonian Academy of Sciences 2015 / p. 488-494 : ill
<https://doi.org/10.3176/proc.2015.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal properties of calcium-aluminate based materials

Kulu, Priit; Goljandin, Dmitri; Traksmäa, Rainer; Kaljuvee, Tiit; Gregor, Andre Proceedings of the Estonian Academy of Sciences 2021 / p. 508-515 : ill <https://doi.org/10.3176/proc.2021.4.19> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermodynamic behaviour of proton exchange membrane fuel cell under different thermal treatment regimes

Kesküül, Konon; Podgurski, Vitali Proceedings of the Estonian Academy of Sciences 2024 / p. 361-365
<https://doi.org/10.3176/proc.2024.4.05>

TiAlN coatings tribology for textile machinery parts

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim Proceedings of the Estonian Academy of Sciences 2021 / p. 163-171 : ill <https://doi.org/10.3176/proc.2021.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Time-efficient automated analysis for fibre orientations in steel fibre reinforced concrete

Pastorelli, Emiliano; Herrmann, Heiko Proceedings of the Estonian Academy of Sciences 2016 / p. 28-36 : ill
<https://doi.org/10.3176/proc.2016.1.02> https://artiklid.elnet.ee/record=b2760711*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TiO₂:Sm³⁺ based luminescent oxygen sensitive probes in LDPE packaging material

Tikk, Taavi; Paara, Tõnis; Eltermann, Marko; **Krumme, Andres**; Jaaniso, Raivo; Kiisk, Valter; Lange, Sven Proceedings of the Estonian Academy of Sciences 2017 / p. 450-454 : ill <https://doi.org/10.3176/proc.2017.4.16> https://artiklid.elnet.ee/record=b2830833*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tone bursts in exponentially graded materials characterized by parametric plots

Ravasoo, Arvi Proceedings of the Estonian Academy of Sciences 2013 / p. 258-266 <https://doi.org/10.3176/proc.2013.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tool life in stainless steel AISI 304 : applicability of Colding's tool life equation for varying tool coatings

Johansson, Daniel; Leemet, Tõnu; Allas, Jaanus; Madissoo, Marten; **Adoberg, Eron**; Schultheiss, Fredrik Proceedings of the Estonian Academy of Sciences 2016 / p. 172-176 : ill https://artiklid.elnet.ee/record=b2768232*est <https://doi.org/10.3176/proc.2016.2.13> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards a tighter symbiosis of natural sciences and engineering

Järv, Jaak; **Engelbrecht, Jüri; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2014 / p. 1
https://artiklid.elnet.ee/record=b2665193*est

Towards identification of areas of reduced risk in the Gulf of Finland, the Baltic Sea

Soomere, Tarmo; Viikmäe, Bert; Delpeche, Nicole; Myrberg, Kai Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 156-165 : ill

Traceability of temperature measurements in Estonia

Vendt, Riho; Vabson, Viktor; **Kübarsepp, Toomas**; Noorma, Mart Proceedings of the Estonian Academy of Sciences 2013 / p. 116-121 : ill

Tracks of surface drifters from a major fairway to marine protected areas in the Gulf of Finland

Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 226-233 : ill https://artiklid.elnet.ee/record=b2740528*est <https://doi.org/10.3176/proc.2015.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformation of an irregular wave field along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill
<https://doi.org/10.3176/proc.2013.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformation of nonlinear discrete-time state equations into the observer form : extension to non-reversible case

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2021 / p. 235-247 <https://doi.org/10.3176/proc.2021.3.03>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformation of nonlinear discrete-time state equations into the observer form : revision

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2023 / p. 1-5 <https://doi.org/10.3176/proc.2023.1.01>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Travelling water waves along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 166-171 : ill

Tribological and circular economy aspects of polypropylene/cotton fibre hybrid composite

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Kumar, Rahul, 1993-; Kamboj, Nikhil Kumar; Rahmani Ahranjani, Ramin; Viljus, Mart; Ahmad, Tahir; Krumme, Andres; Krasnou, Illia Proceedings of the Estonian Academy of Sciences 2022 / p. 186-193 : ill <https://doi.org/10.3176/proc.2022.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribology of alumina materials for the circular economy of manufacturing textile industries

Hussain, Abrar; Podgurski, Vitali; Goljandin, Dmitri; Antonov, Maksim; Viljus, Mart Proceedings of the Estonian Academy of Sciences 2021 / lk. 215-220 : ill <https://doi.org/10.3176/proc.2021.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uncommon reaction in 4-formyl phenols - substitution of the formyl group

Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2024 / p. 1-5
<https://doi.org/10.3176/proc.2024.1.01>

Use case of Autonomous Vehicle shuttle and passenger acceptance analysis

Kalda, Krister; Sell, Raivo; Soe, Ralf-Martin Proceedings of the Estonian Academy of Sciences 2021 / p. 429-436 : ill
<https://doi.org/10.3176/proc.2021.4.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

User-centred design in industrial collaborative automated systems

Pizzagalli, Simone Luca; Kuts, Vladimir; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2021 / p. 436-443 : ill
<https://doi.org/10.3176/proc.2021.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Value-centric business development : descriptive and prescriptive research into five different companies

Kukuškin, Merili; Otto, Tauno; Howard, Thomas J. Proceedings of the Estonian Academy of Sciences 2015 / p. 543-557 : ill
https://artiklid.elnet.ee/record=b2750884*est <https://doi.org/10.3176/proc.2015.4S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variations in extreme wave heights and wave directions in the north-eastern Baltic Sea

Räämet, Andrus; Soomere, Tarmo; Zaitseva-Pärnaste, Inga Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 182-192 : ill

Water-column mass losses during the emptying of a large-scale pipeline by pressurized air

Laanearu, Janek; Hou, Qingzhi; Annus, Ivar; Tijsseling, Arris S. Proceedings of the Estonian Academy of Sciences 2015 / p. 8-16 : ill https://artiklid.elnet.ee/record=b2717477*est <https://doi.org/10.3176/proc.2015.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Article at WOS](#)

Wave regime differences along the eastern coast of the Baltic Proper

Kelpšaitė, Loreta; Herrmann, Heiko; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 225-231 : ill

Waves in materials with microstructure : numerical simulation

Berezovski, Mihhail; Berezovski, Arkadi; Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2010 / p. 99-107 : ill <https://doi.org/10.3176/proc.2010.2.07>

Waves, oscillations and optics in biomedical engineering : research in the Department of Biomedical Engineering 1994-2014

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 200-210 : phot https://artiklid.elnet.ee/record=b2680530*est

Wear of potential tool materials for aluminium alloys friction stir welding at weld temperatures

Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt Proceedings of the Estonian Academy of Sciences 2019 / p.

198–206 : ill <https://doi.org/10.3176/proc.2019.2.12> http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-198-206.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr₃C₂-Ni spray powder
Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Viljus, Mart; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill https://artiklid.elnet.ee/record=b2768209*est <https://doi.org/10.3176/proc.2016.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

WebMathematica-based tools for discrete-time nonlinear control systems
Tõnso, Maris; Rennik, Heli; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2009 / 4, p. 224-240

Verification of modelled locations of coastal areas exposed to current-driven pollution in the Gulf of Finland by using surface drifters
Viikmäe, Bert; Torsvik, Tomas; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 405-416 : ill https://artiklid.elnet.ee/record=b2740578*est <https://doi.org/10.3176/proc.2015.3S.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Virtual factory model development for AI-driven optimization in manufacturing
Raamets, Tõnis; Karjust, Kristo; Hermaste, Aigar; Kelpman, Karolin Proceedings of the Estonian Academy of Sciences 2025 / p. 228-233 <https://doi.org/10.3176/proc.2025.2.26>

Virtual labs for higher education in industrial engineering
Terkaj, Walter; Kleine, Kari; Kuts, Vladimir Proceedings of the Estonian Academy of Sciences 2024 / p. 142–149 <https://doi.org/10.3176/proc.2024.2.07>

A workflow for extended reality-based learning in engineering education
Kuts, Vladimir; Otto, Tauno; Boychuk, Rostyslav; Mahmood, Kashif; Pizzagalli, Simone Luca Proceedings of the Estonian Academy of Sciences 2025 / p. 103-108 <https://doi.org/10.3176/proc.2025.2.03>

Workplace performance analysis : methods and a system
Lavin, Jaak; Riives, Jüri; Kaganski, Sergei; Lemmik, Rivo; Paavel, Marko; Koov, Kaspar Proceedings of the Estonian Academy of Sciences 2015 / p. 558-566 : ill https://artiklid.elnet.ee/record=b2750887*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)