

Accessibility and orbits for discrete-time nonlinear control systems

Bartosiewicz, Zbigniew; **Kotta, Ülle**; Wyrwas, Malgorzata 60th IEEE Conference on Decision and Control, CDC 2021, Austin, 13-17 December 2021 / p. 4594-4601 <https://doi.org/10.1109/CDC45484.2021.9682853> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region

Ahmadihangar, Roya; Karami, Hossein; **Husev, Oleksandr**; **Blinov, Andrei**; **Rosin, Argo**; Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of higher order Haar wavelet method for solving nonlinear evolution equations

Ratas, Mart; **Salupere, Andrus** Mathematical modelling and analysis 2020 / p. 271-288 <https://doi.org/10.3846/mma.2020.11112> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applications of the models

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 141-154 https://doi.org/10.1007/978-3-030-68150-0_7 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent

Puthiya Veetil, Sanoop Kumar; **Rebane, Kaarel**; **Yörük, Can Rüstü**; **Lopp, Margus**; **Trikkel, Andres**; **Hitch, Michael William** Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Artificial lateral line for aquatic habitat modelling: An example for Lefua echigonia

Garcia-Vega, Ana; Fuentes-Perez, Juan Francisco; Fukuda, Shinji; **Kruusmaa, Maarja**; Sanz-Ronda, Francisco Javier; **Tuhtan, Jeffrey Andrew** Ecological Informatics 2021 / art. 101388 <https://doi.org/10.1016/j.ecoinf.2021.101388> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of malicious tweets impact on stock market prices

Ishikawa, Tatsuki; **Ben Sassi, Imen**; **Ben Yahia, Sadok** Research Challenges in Information Science : 15th International Conference, RCIS 2021, Limassol, Cyprus, May 11–14, 2021 : proceedings 2021 / p. 330–346 https://doi.org/10.1007/978-3-030-75018-3_22 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Business intelligence and analytics: On-demand ETL over document stores

Souibgui, Manel; Atigui, Faten; **Ben Yahia, Sadok**; Si-Said Cherfi, Samira Research Challenges in Information Science : 14th International Conference, RCIS 2020, Limassol, Cyprus, September 23-25, 2020 : Proceedings 2020 / p. 556-561 https://doi.org/10.1007/978-3-030-50316-1_38 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Catalytic effect of oil shale ash on CO2 gasification of leached wheat straw and reed chars

Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; **Rosin, Argo** Energy 2018 / p. 906-913 <https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comprehensive instrument for identifying critical information infrastructure services

Herrera, Luis-Carlos; **Maennel, Olaf Manuel** International Journal of Critical Infrastructure Protection 2019 / p. 50-61 : ill <https://doi.org/10.1016/j.ijcip.2019.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Confined vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 103 - 119 https://doi.org/10.1007/978-3-030-68150-0_5 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Control of a three-input DC-DC converter suitable for DC motors

Alizadeh Asl, Amin; Hosseini, Seyed Hossein; **Vosoughi Kurdkandi, Naser**; Alizadeh Asl, Ramin International transactions on electrical energy systems 2022 / art. 4264649, 20 p. : ill <https://doi.org/10.1155/2022/4264649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a wireless communication network for monitoring and controlling of autonomous robots

Vu, Trieu Minh; **Tamre, Mart**; Musalimov, Victor; Kovalenko, Pavel; Monahov, Juri International journal of robotics and automation 2018 / 16 p <https://doi.org/10.2316/Journal.206.2018.3.206-4759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Direct aqueous carbonation on olivine at a CO2 partial pressure of 6.5 MPa

Li, Jiajie; Jacobs, Anthony D.; **Hitch, Michael William** Energy 2019 / p. 902-910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Discontinuity-driven mesh alignment for evolving discontinuities in elastic solids

Berezovski, Mihail; **Berezovski, Arkadi** Journal of computational physics 2020 / art. 109542, 21 p

<https://doi.org/10.1016/j.jcp.2020.109542> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electromechanical coupling of waves in nerve fibres

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert Biomechanics and modeling in mechanobiology 2018 / p. 1771–1783 : ill
<https://doi.org/10.1007/s10237-018-1055-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elliptic boundary value problems with Gaussian white noise loads

Lasanen, Sari; **Roininen, Lassi**; Huttunen, Janne M.J. Stochastic processes and their applications 2018 / 21 p.
<https://doi.org/10.1016/j.spa.2017.11.007> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing D-bar reconstructions for electrical impedance tomography with conformal maps

Hyvönen, Nuutti; **Päivärinta, Lassi Juhani**; Tamminen, Janne Pertti Olavi Inverse problems & imaging 2018 / p. 373-400 : ill
<https://doi.org/10.3934/ipi.2018017> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Environmentally adaptive fish or no-fish classification for river video fish counters using high-performance desktop and embedded hardware

Soom, Jürgen; Pattanaik, Vishwajeet; Leier, Mairo; Tuhtan, Jeffrey Andrew Ecological Informatics 2022 / art. 101817, 14 p. : ill
<https://doi.org/10.1016/j.ecoinf.2022.101817> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation number of vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 121-139 https://doi.org/10.1007/978-3-030-68150-0_6
Article collection metrics at Scopus Article at Scopus

Harnessing cloud scalability to hadoop clusters

Koschel, Arne; Heine, Felix; **Astrova, Irina** Information Systems 15th European, Mediterranean, and Middle Eastern Conference, EMCIS 2018 : Limassol, Cyprus, October 4–5, 2018 : proceedings 2019 / p. 59-71 https://doi.org/10.1007/978-3-030-11395-7_6
Conference proceeding at Scopus Article at Scopus

High-level axioms for graphical linear algebra

Paixao, Joao; Rufino, Lucas; **Sobocinski, Pawel Maria** Science of computer programming 2022 / art. 102791 ; 26 p
<https://doi.org/10.1016/j.scico.2022.102791> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-strength fuel pellets made of flour milling and coal slack wastes

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071>
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel

Pramano, Agus; Dhoska, Klodian; Markja, Irida; **Kommel, Lembit** Pollack periodica 2019 / p. 67–74
<https://doi.org/10.1556/606.2019.14.1.7> Journal metrics at Scopus Article at Scopus

Improving healthcare processes with smart contracts

Kormiltsõn, Aleksandr; Udokwu, Chibuzor; Karu, Kalev; **Thangalimodzi, Kondwani; Norta, Alexander** Business Information Systems : 22nd International Conference, BIS 2019, Seville, Spain, June 26–28, 2019 : proceedings. Part I 2019 / p. 500-513
https://doi.org/10.1007/978-3-030-20485-3_39 Conference proceeding at Scopus Article at Scopus Article at WOS

Integration of blockchain technology into a land registration system for immutable traceability : a casestudy of Georgia

Lazuashvili, Nino; Norta, Alexander; Draheim, Dirk Business Process Management : Blockchain and Central and Eastern Europe Forum :BPM 2019 Blockchain and CEE Forum : Vienna, Austria, September 1–6, 2019 : proceedings 2019 / p. 219-233
https://doi.org/10.1007/978-3-030-30429-4_15 Article collection metrics at Scopus Article at Scopus Article at WOS

Intrinsic conditions for extended observer forms for nonlinear systems

Simha, Ashutosh; Respondek, Witold; **Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle** 2018 IEEE Conference on Decision and Control (CDC), 17-19 Dec. 2018, 17-19 Dec. 2018 : proceedings 2018 / p. 1373-1378 <https://doi.org/10.1109/CDC.2018.8619122>
Conference Proceedings at Scopus Article at Scopus Article at WOS

Inverse problems for a generalized subdiffusion equation with final overdetermination

Kinash, Nataliia; Janno, Jaan Mathematical modelling and analysis 2019 / p. 236–262 <https://doi.org/10.3846/mma.2019.016> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

IOCBIO Kinetics : an open-source software solution for analysis of data traces

Vendelin, Marko; Laasmaa, Martin; Kalda, Mari; Branovets, Jelena; Karro, Niina; Barsunova, Karina; Birkedal Nielsen, Rikke PLoS computational biology 2020 / art. e1008475 <https://doi.org/10.1371/journal.pcbi.1008475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low-temperature waste heat enabling abandoning coal in Espoo district heating system

Hiltunen, Pauli; Syri, Sanna Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Malicious accounts detection from online social networks : a systematic review of literature

Ben Sassi, Imen; Ben Yahia, Sadok International Journal of General Systems 2021 / p. 741–814
<https://doi.org/10.1080/03081079.2021.1976773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping the types of modularity in open-source hardware

Gavras, Kosmas; **Kostakis, Vasileios** Design Science 2021 / e13 <https://doi.org/10.1017/dsj.2021.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical waves in myelinated axons

Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri Biomechanics and modeling in mechanobiology 2022 / p. 1285–1297
<https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L

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

A method for assessment of the general circulation model quality using the K-means clustering algorithm : a case study with GETM v2.5

Raudsepp, Urmas; Maljutenko, Ilja Geoscientific model development 2022 / p. 535–551 <https://doi.org/10.5194/gmd-15-535-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal methods at WOS](#) [Article at WOS](#)

Method for evaluating information security level in organisations

Seeba, Mari; **Mäses, Sten**; Matulevičius, Raimundas Research Challenges in Information Science : 16th International Conference, RCIS 2022 : Barcelona, Spain, May 17–20, 2022 : proceedings 2022 / p. 644–652 : ill https://doi.org/10.1007/978-3-031-05760-1_39 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253–261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of processes in nerve fibres at the interface of physiology and mathematics

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Biomechanics and modeling in mechanobiology 2020 / p. 2491–2496
<https://doi.org/10.1007/s10237-020-01350-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nemo-Nordic 2.0 : operational marine forecast model for the Baltic Sea

Kärnä, Tuomas; Ljungemyr, Patrik; Falahat, Saeed; Ringgaard, Ida; Axell, Lars; Korabel, Vasily; Murawski, Jens; **Maljutenko, Ilja**; Lindenthal, Anja; Jandt-Scheelke, Simon; **Verjovkina, Svetlana**; Lorkowski, Ina; **Lagemaa, Priidik**; She, Jun; Tuomi, Laura; Nord, Adam; Huess, Vibeke Geoscientific Model Development 2021 / p. 5731 - 5749 <https://doi.org/10.5194/gmd-14-5731-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of ultrasonic time reversal on defects in carbon fibre reinforced polymer

Lints, Martin; Salupere, Andrus; Dos Santos, Serge Wave motion 2020 / art. 102526, 10 p. : ill
<https://doi.org/10.1016/j.wavemoti.2020.102526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain

Ordóñez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos Energy 2019 / p. 625–634 <https://doi.org/10.1016/j.energy.2019.05.209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On solitonic solutions for the hyperelastic rod equation

Salupere, Andrus; Rätsep, Margus Wave motion 2019 / 8 p <https://doi.org/10.1016/j.wavemoti.2019.102404> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On solutions of a Boussinesq-type equation with displacement-dependent nonlinearity: A soliton doublet to the memory of Alexander Samsonov

Peets, Tanel; Tamm, Kert; Simson, Päivo; Engelbrecht, Jüri Wave motion 2019 / p. 10-17

<https://doi.org/10.1016/j.wavemoti.2018.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An open 3D CFD model for the investigation of flow environments experienced by freshwater fish

Khan, Ali Hassan; Hussmann, Karla Ruiz; Powalla, Dennis; Hoerner, Stefan; Kruusmaa, Maarja; Tuhtan, Jeffrey Andrew

Ecological Informatics 2022 / art. 101652, 12 p. : ill <https://doi.org/10.1016/j.ecoinf.2022.101652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of renewable energy for buildings with energy storages and 15-minute power balance

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Preface

Danaila, Ionut; Kaplanski, Felix; Sazhin, Sergei Vortex Ring Models 2021 / p. vii <https://link.springer.com/content/pdf/bfm:978-3-030-68150-0/1?pdf=chapter%20toc> [Article collection metrics at Scopus](#) [Article at Scopus](#)

Preface

Jallouli, Rim; Tobji, Mohamed Anis Bach; Mcheick, Hamid; Piho, Gunnar Digital Economy. Emerging Technologies and Business Innovation : 6th International Conference on Digital Economy, ICDEc 2021, Tallinn, Estonia, July 15–17, 2021 : proceedings 2021 / p. v–vi <https://link.springer.com/content/pdf/bfm:978-3-030-92909-1/1> [Collection metrics at Scopus](#) [Article at Scopus](#)

Premature failure of an additively manufactured material

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

A public, blockchain-based distributed smart-contract platform enabling mobile lite wallets using a proof-of-stake consensus algorithm

Norta, Alexander; Dai, Patrick; Mahi, Neil; Earls, Jordan Business Information Systems Workshops : BIS 2018 : International Workshops, Berlin, Germany, July 18–20, 2018 : Revised Papers 2019 / p. 368-380 https://doi.org/10.1007/978-3-030-04849-5_33 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Realisation of energy performance targets of an old apartment building renovated to nZEB

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill <https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstruction of an orthotropic thermal conductivity from non-local heat flux measurements

Huntul, M.J.; Hussein, M.S.; Lesnic, D.; Ivancho, M.I.; Kinash, Nataliia International journal of Mathematical modelling and numerical optimisation 2020 / p. 102-122 <https://doi.org/10.1504/IJMMNO.2020.104327> [Journal metrics at Scopus](#) [Article at Scopus](#)

A review on realtime simulation and analysis methods of microgrids

Ahmadihangar, Roya; Rosin, Argo; Nabavi Niaki, Ali; Palu, Ivo; Korõtko, Tarmo International transactions on electrical energy systems 2019 / art. e12106, 16 p. : ill <https://doi.org/10.1002/2050-7038.12106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust FOPID stabilization for Smith Predictor structures

Ghorbani, Majid; Tepļakov, Aleksei; Petlenkov, Eduard 61st IEEE Conference on Decision and Control, CDC 2022, Cancun, 6 December - 9 December 2022, proceedings 2022 / p. 1696-1701 <https://doi.org/10.1109/CDC51059.2022.9993283> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Scalable and imbalance-resistant machine learning models for anti-money laundering : a two-layered approach

Tertychnyi, Pavlo; Slobozhan, Ivan; Ollikainen, Madis; Dumas, Marlon Enterprise Applications, Markets and Services in the Finance Industry : 10th International Workshop, FinanceCom 2020, Helsinki, Finland, August 18, 2020, Revised Selected Papers 2020 / p. 43-58 https://doi.org/10.1007/978-3-030-64466-6_3 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A scalable knowledge graph embedding model for next point-of-interest recommendation in Tallinn city

Ounoughi, Chahinez; Mouakher, Amira; Sherzad, Muhammad Ibraheem; Ben Yahia, Sadok Research Challenges in Information Science : 15th International Conference, RCIS 2021, Limassol, Cyprus, May 11–14, 2021 : proceedings 2021 / p. 435–451 https://doi.org/10.1007/978-3-030-75018-3_29 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Short-term wind energy forecasting using deep learning-based predictive analytics

Shabbir, Noman; Kütt, Lauri; Jawad, Muhammad; **Husev, Oleksandr** CMC-Computers, Materials & Continua 2022 / p. 1017-1033 <https://doi.org/10.32604/cmc.2022.024576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; **Latšov, Eduard; Siirde, Andres** Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Smart contracts and void declarations of intent

Hoffmann, Thomas Advanced Information Systems Engineering Workshops : CAiSE 2019 International Workshops, Rome, Italy, June 3-7, 2019 : proceedings 2019 / p. 168-175 https://doi.org/10.1007/978-3-030-20948-3_15 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Solution combustion synthesis of nanostructured molybdenum carbide

Kirakosyan, Hasmik; Nazaretyan, K.T.; Mnatsakanyan, R.A.; **Aydinyan, Sofiya;** Kharatyan, Suren Journal of nanoparticle research 2018 / art. 214, 11 p. : ill <https://doi.org/10.1007/s11051-018-4312-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solving nonlinear PDEs using the higher order Haar wavelet method on nonuniform and adaptive grids

Ratas, Mart; Salupere, Andrus; Majak, Jüri Mathematical modelling and analysis 2021 / p. 147-169 <https://doi.org/10.3846/mma.2021.12920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Span(Graph) : a canonical feedback algebra of open transition systems

Di Lavore, Elena; Gianola, Alessandro; **Roman Garcia, Mario;** Sabadini, Nicoletta; **Sobocinski, Pawel Maria** Software and systems modeling 2022 / p. 495-520 : ill <https://doi.org/10.1007/s10270-023-01092-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Steady inviscid vortex rings

Danaila, Ionut; **Kaplanski, Felix;** Sazhin, Sergei Vortex Ring Models 2021 / p. 17-49 https://doi.org/10.1007/978-3-030-68150-0_2 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Systematic support for full knowledge management lifecycle by advanced semantic annotation across information system boundaries

Pattanaik, Vishwajeet; Norta, Alexander; Felderer, Michael; **Draheim, Dirk** Information Systems in the Big Data Era : CAiSE Forum 2018, Tallinn, Estonia, June 11-15, 2018 : proceedings 2018 / p. 66-73 https://doi.org/10.1007/978-3-319-92901-9_7 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Zonal modeling of air distribution impact on the long-range airborne transmission risk of SARS-CoV-2

Aganovic, Amar; Cao, Guangyu; **Kurnitski, Jarek;** Melikov, Arsen Kriko; Wargocki, Pawel Applied mathematical modelling 2022 / p. 800-821 <https://doi.org/10.1016/j.apm.2022.08.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia

Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** Energy 2022 / art. 124156 <https://doi.org/10.1016/j.energy.2022.124156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Testing generic strong accessibility of nonlinear control systems via polynomial (quadratic) immersion

Carravetta, Francesco; Sarafrazi, Mohammad Amin; Bartosiewicz, Zbigniew; **Kotta, Ülle** 61st IEEE Conference on Decision and Control, CDC 2022, Cancun, 6 December - 9 December 2022, proceedings 2022 / p. 1841-1846 <https://doi.org/10.1109/CDC51059.2022.9992952> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Testing the applicability of digital decision support on a nationwide EHR

Metsallik, Janek; Ross, Peeter Digital Economy. Emerging Technologies and Business Innovation : 6th International Conference on Digital Economy, ICDEc 2021, Tallinn, Estonia, July 15-17, 2021 : proceedings 2021 / p. 134-146 https://doi.org/10.1007/978-3-030-92909-1_9 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

The Baltic Sea Model Intercomparison Project (BMIP) - a platform for model development, evaluation, and uncertainty assessment

Gröger, Matthias; Placke, Manja; Meier, H. E. Markus; Börgel, Florian; Brunnabend, Sandra-Esther; Dutheil, Cyril; Gräwe, Ulf; Hieronymus, Magnus; Neumann, Thomas; **Väli, Germo** Geoscientific model development 2022 / p. 8613-8638 <https://doi.org/10.5194/gmd-15-8613-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Three-dimensional CFD analysis of liquid slug acceleration and impact in a voided pipeline with end orifice

He, Junling; Hou, Qingzhi; Lian, Jijian; Tijsseling, Arris S.; Bozkus, Zafer; **Laanearu, Janek;** Lin, Lei Engineering Applications of Computational Fluid Mechanics 2022 / p. 1444-1463 <https://doi.org/10.1080/19942060.2022.2095440> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Time-domain identification of one noninteger order plus time delay models from step response measurements

Alagoz, Baris Baykant; **Tepljakov, Aleksei**; Ates, Abdullah; **Petlenkov, Eduard**; Yeroglu, Celaeddin International journal of modeling, simulation, and scientific computing 2019 / art. 1941011, 22 p. : ill <https://doi.org/10.1142/S1793962319410113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards a Cross-Border Reference Architecture for the Once-Only Principle in Europe : An Enterprise Modelling Approach

Tepandi, Jaak; Grandry, Eric; Fieten, Sander; **Draheim, Dirk**; **Piho, Gunnar** The Practice of Enterprise Modeling : 12th IFIP Working Conference, PoEM 2019, Luxembourg, Luxembourg, November 27–29, 2019 : proceedings 2019 / p. 103-117 https://doi.org/10.1007/978-3-030-35151-9_7 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations

Adámek, V.; **Berezovski, Arkadi**; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140 <https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Viscous vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 51-86 https://doi.org/10.1007/978-3-030-68150-0_3 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Viscous vortex rings with elliptical cores

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 87 - 102 https://doi.org/10.1007/978-3-030-68150-0_4 [Article collection metrics at Scopus](#) [Article at Scopus](#)

The vortex ring problem

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 1-15 https://doi.org/10.1007/978-3-030-68150-0_1 [Article collection metrics at Scopus](#) [Article at Scopus](#)