

Accurate energy-efficient localization hybrid models for distributed IoT sensing

Jabberi, Maher; **Sellami, Bassem**; Hakiri, Akram; Alimi, Mohamed Adel 2024 IEEE/ACS 21st International Conference on Computer Systems and Applications (AICCSA) : proceedings : Sousse, TN, 22 October-26 October 2024 (2024) 2024
<https://doi.org/10.1109/AICCSA63423.2024.10912590> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Achieving of Magnus effect with Agros Suite

Lukin, Aleksandr; Demidova, Galina; **Rassölkin, Anton** Periodica polytechnica electrical engineering and computer science 2021 / p. 131-137 : ill <https://doi.org/10.3311/PPee.17743> [Journal metrics at Scopus](#) [Article at Scopus](#)

An integrated electroactive polymer sensor-actuator : design, model-based control, and performance characterization

Hunt, Andres; Chen, Zheng; Tan, K.; **Kruusmaa, Maarja** Smart materials and structures 2016 / art. 035016, p. 1-16 : ill
<https://doi.org/10.1088/0964-1726/25/3/035016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of keyword spotting performance across IARPA Babel languages

Hartmann, William; Karakos, Damianos; Hsiao, Roger; Zhang, Le; **Alumäe, Tanel**; Tsakalidis, Stavros; Schwartz, Richard 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 5765-5769 : ill <https://doi.org/10.1109/ICASSP.2017.7953261> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analyzing Apache Storm as core for an event processing network model

Schulze, Christin; Gerner, Christian; Tyca, Matthias; Koschel, Arne; Pakosch, Anna; **Astrova, Irina** Intelligent systems and applications : proceedings of the 2021 Intelligent Systems Conference (IntelliSys). Volume 3 2024 / p. 397 - 410
https://doi.org/10.1007/978-3-031-47715-7_27 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Application of component organized learning method for DIGSCM 4.0 hybrid courses

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

Areeba : an area efficient binary huff-curve architecture

Sajid, Asher; Rashid, Muhammad; Jamal, Sajjad Shaukat; **Imran, Malik**; Alotaibi, Saud S.; Sinky, Mohammed H. Electronics (Switzerland) 2021 / art. 1490 <https://doi.org/10.3390/electronics10121490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated identification of application-dependent safe faults in automotive systems-on-a-chips

Bagbaba, Ahmet Cagri; Augusto da Silva, Felipe; Sonza Reorda, Matteo; Hamdioui, Said; **Jenihhin, Maksim**; Sauer, Christian Electronics 2022 / art. 319 <https://doi.org/10.3390/electronics11030319> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated training set size reduction for detection of small and thin objects

Pihlak, Rene; Riid, Andri 12th International Conference on Information Systems and Advanced Technologies "ICISAT 2022" : Intelligent Information, Data Science and Decision Support System 2023 / p. 423-433 https://doi.org/10.1007/978-3-031-25344-7_39 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A case for modern build automation for intelligent systems

Grunewald, Alexander; Lange, Moritz; Tran, Kim Chi; **Astrova, Irina** Intelligent Systems and Applications : proceedings of the 2022 Intelligent Systems Conference (IntelliSys). Volume 1 2023 / p. 789-799 https://doi.org/10.1007/978-3-031-16072-1_56 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Changes in EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study

Uudeberg, Tuuli; Hinrikus, Hiie; **Päeske, Laura**; Lass, Jaanus; Bachmann, Maie 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Comparative analysis of machine learning techniques for non-intrusive load monitoring

Shabbir, Noman; Vassiljeva, Kristina; Hokmabad, Hossein Nourollahi; Husev, Oleksandr; Petlenkov, Eduard; Belikov, Juri Electronics 2024 / art. 1420 <https://doi.org/10.3390/electronics13081420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of one- two- and three-dimensional CNN models for drawing-test-based diagnostics of the Parkinson's disease

Wang, Xuechao; Huang, Junqing; Chatzakou, Marianna; **Nömm, Sven**; **Valla, Elli**; Medijainen, Kadri; Taba, Pille; Toomela, Aaro; Ruzhansky, Michael Biomedical signal processing and control 2024 / art. 105436, 8 p <https://doi.org/10.1016/j.bspc.2023.105436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Component organised learning method for digital supply chain hybrid courses

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

Comprehensive comparative analysis of impedance-source networks for DC and AC application

Husev, Oleksandr; Shults, Tatiana; **Vinnikov, Dmitri;** Chub, Andrii Electronics 2019 / 21 p. : ill <https://doi.org/10.3390/electronics8040405> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computer science students early drop-out prediction using machine learning : a case study

Maksimova, Natalja; Pentel, Avar; **Dunajeva, Olga** Learning with Technologies and Technologies in Learning 2022 / p. 523-549 https://doi.org/10.1007/978-3-031-04286-7_25 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Condition monitoring and fault detection for electrical machines using IOT

Raja, Hadi Ashraf; Vaimann, Toomas; **Rassõlkin, Anton;** Kallaste, Ants Proceedings of the Future Technologies Conference (FTC) 2022. Volume 2 2023 / p. 162-173 https://doi.org/10.1007/978-3-031-18458-1_12 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Cones with convoluted geometry that always scatter or radiate

Blåsten, Emilia L.K.; Pohjola, Valter Inverse Problems 2022 / Art. 125001 <https://doi.org/10.1088/1361-6420/ac963c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contrastive Learning for Lane Detection via cross-similarity

Zoljodi, Ali; Abadijoui, Sadegh; Alibeigi, Mina; **Daneshtalab, Masoud** Pattern Recognition Letters 2024 / p. 175-183 : ill <https://doi.org/10.1016/j.patrec.2024.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

COVID-19's impact on the quality of educational process and the academic performance as viewed by IT students : a case study in text mining

Dunajeva, Olga; Pentel, Avar; **Maksimova, Natalja** ICL 2021: Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021). Vol. 1 2022 / p. 417-425 https://doi.org/10.1007/978-3-030-93904-5_42 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A current spectrum-based algorithm for fault detection of electrical machines using low-power data acquisition devices

Asad, Bilal; Raja, Hadi Ashraf; **Vaimann, Toomas;** Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang Electronics 2023 / art. 1746 <https://doi.org/10.3390/electronics12071746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Curricula updates through students' participation in international competition

Valme, Daniil; Belolipetskaja, Diana; **Rassõlkin, Anton;** Leoste, Janika; **Rüütman, Tiia** Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 352-364 https://doi.org/10.1007/978-3-031-67059-6_31 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Data fusion for ITS : a systematic literature review

Ounoughi, Chahinez; Ben Yahia, Sadok Information Fusion 2023 / p. 267-291 <https://doi.org/10.1016/j.inffus.2022.08.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Data-driven approaches based microwave filter tuning - a review

Sekhri, Even; Tamre, Mart; Kapoor, Rajiv Advances in Artificial-Business Analytics and Quantum Machine Learning : Select Proceedings of the 3rd International Conference, Com-IT-Con 2023, Volume 2 2024 / p. 273-286 https://doi.org/10.1007/978-981-97-4860-0_22 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Deep learning based audio-visual emotion recognition in a smart learning environment

Dunajeva, Olga; Pentel, Avar; **Ivleva, Natalja;** Juštšenko, Valeria Towards a Hybrid, Flexible and Socially Engaged Higher Education : proceedings of the 26th International Conference on Interactive Collaborative Learning (ICL2023), vol. 1 2024 / p. 420-431 https://doi.org/10.1007/978-3-031-51979-6_44 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design optimization of permanent magnet clutch with Ārtap framework

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

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

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

Development support for intelligent systems : test, evaluation, and analysis of microservices

Perbandt, Charline von; Tyca, Matthias; Koschel, Arne; **Astrova, Irina** Intelligent systems and applications : proceedings of the 2021 Intelligent Systems Conference (IntelliSys). Volume 1 2022 / p. 857-875 https://doi.org/10.1007/978-3-030-82193-7_58 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Digital twin of wind generator to simulate different turbine characteristics using IoT

Raja, Hadi Ashraf; Kudelina, Karolina; Rjabtšikov, Viktor; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang Proceedings of the Future Technologies Conference (FTC) 2023. Vol. 1 2023 / p. 123-132 https://doi.org/10.1007/978-3-031-47454-5_9 [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

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

Distributed largest eigenvalue detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 3519-3523 : ill <https://doi.org/10.1109/ICASSP.2017.7952811> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Distributed largest eigenvalue-based spectrum sensing using diffusion LMS

Ainomäe, Ahti; Bengtsson, Mats; **Trump, Tõnu** IEEE transactions on signal and information processing over networks 2018 / p. 362-377 : ill <https://doi.org/10.1109/TSPN.2017.2705483> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A dual-buck-boost DC-DC/AC universal converter

Ong, Yao Rong; Cao, Shuyu; Lee, Sze Sing; Lim, Chee Shen; Chen, Max M.; **Vosoughi Kurdkandi, Naser;** Barzegarkhoo, Reza; Siwakoti, Yam P. Electronics (Switzerland) 2022 / art. 1973 <https://doi.org/10.3390/electronics11131973> [Journal metrics at scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An empirical modeling for the baseline energy consumption of an NB-IoT radio transceiver

Khan, Sikandar Muhammad Zulqarnain; Alam, Muhammad Mahtab; Le Moullec, Yannick; Kuusik, Alar; Päränd, Sven; Verikoukis, Christos IEEE Internet of Things Journal 2021 / p. 14756-14772 : ill <https://doi.org/10.1109/JIOT.2021.3072769> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing university visitor satisfaction : a human-robot interaction study on the design and perception of a guiding robot assistant

Leoste, Janika; Marmor, Kristel; Hollstein, Thomas; Hinkelmann, Heiko; **Leoste, Leo Benjamin** Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 223-234 https://doi.org/10.1007/978-3-031-67059-6_20 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Estimating sparse signals using integrated wideband dictionaries

Butsenko, Maksim; Swärd, Johan; Jakobsson, Andreas IEEE Transactions on Signal Processing 2018 / p. 4170-4181 : ill <https://doi.org/10.1109/TSP.2018.2835426> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimating sparse signals using integrated wide-band dictionaries

Butsenko, Maksim; Swärd, Johan; Jakobsson, Andreas 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 4426-4430 : ill <https://doi.org/10.1109/ICASSP.2017.7952993> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluating maritime cluster economic impact : the maritime cluster impact index

Nõmmela, Kaidi; Kõrbe Kaare, Kati Reliability and Statistics in Transportation and Communication : selected papers from the 21st International Multidisciplinary Conference on Reliability and Statistics in Transportation and Communication, RelStat2021, 14-15 October 2021, Riga, Latvia 2022 / p. 556-565 https://doi.org/10.1007/978-3-030-96196-1_51 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evaluation of semantic parsing frameworks for automated knowledge base construction

Verrev, Martin Intelligent systems design and applications 22nd International Conference on Intelligent Systems Design and Applications (ISDA 2022) held December 12-14, 2022 - Volume 1 2023 / p. 554-563 https://doi.org/10.1007/978-3-031-27440-4_53 <https://link.springer.com/book/10.1007/978-3-031-27440-4> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

An experimental study of building blocks of lattice-based NIST post-quantum cryptographic algorithms

Imran, Malik; Abideen, Zain Ul; Pagliarini, Samuel Nascimento Electronics 2020 / art. 1953, 26 p. : ill <https://doi.org/10.3390/electronics9111953> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Exploring challenges in remote communication : comparing teleconferencing software and telepresence robots usage in

higher education

Talisainen, Aleksei; Leoste, Janika; Virkus, Sirje Proceedings of the Future Technologies Conference (FTC) 2024, Volume 2 2024 / p. 287 - 300 https://doi.org/10.1007/978-3-031-73122-8_18 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Extraction of the index of refraction by embedding multiple small inclusions

Alsaedi, Ahmed; Alzahrani, Faris; **Challa, Durga Prasad;** Kirane, Mokhtar; Sini, Mourad Inverse problems 2016 / art. 045004, p. 1-18 : ill <http://iopscience.iop.org/0266-5611/32/4/045004> <https://doi.org/10.1088/0266-5611/32/4/045004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility study of interleaving approach for Quasi-Z-Source inverter

Stepenko, Serhii; Husev, Oleksandr; Vinnikov, Dmitri; Fesenko, Artem; **Matiuskin, Oleksandr** Electronics 2020 / art. 277, 11 p. : ill <https://doi.org/10.3390/electronics9020277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

FESDA : fog-enabled secure data aggregation in smart grid IoT network

Saleem, Ahsan; Khan, Abid; Malik, Saif Ur Rehman; Pervaiz, Haris; **Malik, Hassan;** Alam, Masoom; Jindal, Anish IEEE Internet of Things Journal 2020 / p. 6132-6142 <https://doi.org/10.1109/JIOT.2019.2957314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food recognition and food waste estimation using convolutional neural network

Lubura, Jelena; Pezo, Lato; Sandu, Mirela Alina; **Voronova, Viktoria;** Donsi, Francesco; Šic Žlabur, Jana; Ribic, Bojan; Peter, Anamarija; Šuric, Jona; Brandic, Ivan; **Klōga, Marija** Electronics 2022 / art. 3745 <https://doi.org/10.3390/electronics11223746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Forecasting of wind speed and power through FFNN and CFNN using HPSOBA and MHP SO-BAACs techniques

Ellahi, Manzoor; Usman, Muhammad Rehan; Arif, Waqas; Usman, Hafiz Fuad; Khan, Waheed A.; Satrya, Gandeve Bayu; **Daniel, Kamran; Shabbir, Noman** Electronics 2022 / art. 4193 <https://doi.org/10.3390/electronics11244193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fractional-order modeling and control of ionic polymer-metal composite actuator

Tepljakov, Aleksei; Vunder, Veiko; **Petlenkov, Eduard;** Nakshatharan, S Sunjai; Punning, Andres; **Kaparin, Vadim; Belikov, Juri;** Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geodesic equations for guided wave helical path separation for a pipe bend

Rasgado Moreno, Carlos Omar; Ratassepp, Madis Mechanical systems and signal processing 2023 / art. 110820 <https://doi.org/10.1016/j.ymssp.2023.110820> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Guest editorial : implementation issues in system-on-chip

Ellervee, Peeter; Nurmi, Jari Journal of signal processing systems 2017 / p. 269-270 <https://doi.org/10.1007/s11265-017-1242-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gunshot acoustic event identification and shooter localization in a WSN of asynchronous multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Kaugerand, Jaanus; Preden, Jürjo-Sören Multidimensional systems and signal processing 2018 / p. 563-595 : ill <https://doi.org/10.1007/s11045-017-0479-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hierarchical optimization configuration strategy of synchronous condenser in high penetration wind power sending systems

Sun, Zhenglong; Qiao, Jianhua; Meng, Xin; Pan, Chao; Li, Zewei; **Belikov, Juri;** Levron, Yoash Electronics (Switzerland) 2024 / art. 4359 <https://doi.org/10.3390/electronics13224359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Higher education teachers' perceptions about teaching and learning related qualities of telepresence robots

Leoste, Janika; Virkus, Sirje; **Talisainen, Aleksei** ROBOT2022 : Fifth Iberian Robotics Conference : Advances in Robotics. Vol. 1 2022 / p. 526-537 https://doi.org/10.1007/978-3-031-21065-5_43 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of a transdisciplinary STEAM teacher training course on the integration of robotics in early childhood education

Rossi, Matti; Saimon, Musa; **Leoste, Janika;** Fenyvesi, Kristof; Lavicza, Zsolt Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 114-125 : ill https://doi.org/10.1007/978-3-031-67059-6_11 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Implementation of e-birth registration systems : potential and challenges the case study of Iran

Shahin, Mahtab; Eskandri, Fatemeh; Ahmed, Rozha Kamal; Draheim, Dirk ICT systems and sustainability : proceedings of ICT4SD 2021, Volume 1 2022 / p. 861-872 : ill https://doi.org/10.1007/978-981-16-5987-4_85 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Implementation of electronic records management systems : potential and challenges a case study of the Water and Power Development Authority (WAPDA) in Pakistan

Butt, Sidra Azmat; Pappel, Ingrid; Oolu, Karin ICT Analysis and Applications : 23-24 July 2020, Panaji, Goa, India : proceedings of ICT4SD 2020. Vol. 2 2021 / p. 629–639 https://doi.org/10.1007/978-981-15-8354-4_63 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Implementation of series resonance-based fault current limiter for enhanced transient stability of grid-connected photovoltaic farm

Demin, Slava; Barbie, Eli; Heistrene, Leena; Belikov, Juri; Petlenkov, Eduard; Levron, Yoash; Baimel, Dmitry Electronics (Switzerland) 2024 / art. 2987 <https://doi.org/10.3390/electronics13152987> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved diagnostic approach for BRB detection and classification in inverter-driven induction motors employing sparse stacked autoencoder (SSAE) and lightGBM

Khan, Muhammad Amir; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants Electronics (Switzerland) 2024 / art. 1292 <https://doi.org/10.3390/electronics13071292> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved fractional open circuit voltage MPPT methods for PV systems

Baimel, Dmitry; Tapuchi, Saad; Levron, Yoash; Belikov, Juri Electronics 2019 / art. 321 <https://doi.org/10.3390/electronics8030321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved PWM-based sinewave generation : example of the impedance measurement

Abdullayev, Anar; Annus, Paul; Krivošei, Andrei; Metshein, Margus; Märtens, Olev; Rist, Marek Automatic control and computer sciences 2023 / p. 449–458 <https://doi.org/10.3103/S0146411623050024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvements on the carrier-based control method for a three-level T-type, quasi-impedance-source inverter

Barrero-Gonzalez, Fermin; Roncero-Clemente, Carlos; Milanés-Montero, Maria Isabel; Husev, Oleksandr Electronics 2019 / art. 677, 12 p. : ill <https://doi.org/10.3390/electronics8060677> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving court efficiency through ICT integration : identifying essential areas of improvement

Ahmed, Rozha Kamal; Muhammed, Khder H.; Reitsakas, Aleksander; Pappel, Ingrid; Draheim, Dirk ICT Analysis and Applications : proceedings of ICT4SD 2019. Vol. 2 2020 / p. 449–461 : ill https://doi.org/10.1007/978-981-15-0630-7_44 [Article collection at Scopus](#) [Article at Scopus](#)

Improving IoT security with explainable AI : quantitative evaluation of explainability for IoT botnet detection

Kalakoti, Rajesh; Bahsi, Hayretin; Nömm, Sven IEEE Internet of Things Journal 2024 / p. 18237 - 18254 <https://doi.org/10.1109/IJOT.2024.3360626> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-phase matrix profile : a novel method for the detection of major depressive disorder

Uudeberg, Tuuli; Belikov, Juri; Päeske, Laura; Hinrikus, Hiie; Liiv, Innar; Bachmann, Maie Biomedical Signal Processing and Control 2024 / art. 105378 <https://doi.org/10.1016/j.bspc.2023.105378> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interpretable machine learning for SME financial distress prediction

Medianovskiy, Kyrilo; Malakauskas, Aidas; Lakstutiene, Ausrine; Ben Yahia, Sadok 12th International Conference on Information Systems and Advanced Technologies "ICISAT 2022" : Intelligent Information, Data Science and Decision Support System 2023 / p. 454 - 464 https://doi.org/10.1007/978-3-031-25344-7_42 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Inverse problems for a generalized fractional diffusion equation with unknown history

Janno, Jaan Inverse problems 2024 / art. 125015 <https://doi.org/10.1088/1361-6420/ad92a3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-vitro investigation of flow profiles in arteries using the photoplethysmograph

Pilt, Kristjan; May, James M.; Kyriacou, Panayiotis A. Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2021 / p. 7211–7214 <https://doi.org/10.1109/EMBC46164.2021.9629713> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Leader selection in cooperative network based on MDL subspace algorithm for cognitive radio

Ulp, Sander; Trump, Tõnu Conference Record of The Fifteenth Asilomar Conference on Signals, Systems & Computers : November 6-9, 2016, Pacific Grove, California 2017 / p. 704–708 : ill <https://doi.org/10.1109/ACSSC.2016.7869136> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Learning content revisited : basis for creating a system of educational (pedagogical) activities

Rüütman, Tiia; Läänemets, Urve; Kaja, Kadi Towards a hybrid, flexible and socially engaged higher education : proceedings of the

26th international conference on interactive collaborative learning (icl2023), volume 4 2024 / p. 342-352 https://doi.org/10.1007/978-3-031-53022-7_9 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Machine learning based emotion recognition in a digital learning environment

Ivleva, Natalja; Pentel, Avar; Dunajeva, Olga; Juštšenko, Valeria Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1 2023 / p. 405-412 https://doi.org/10.1007/978-3-031-26876-2_38 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Machine learning techniques for wireless-powered ambient backscatter communications : enabling intelligent iot networks in 6g era

Jameel, Furqan; **Sharma, Navuday**; Khan, Muhammad Awaiz; Khan, Imran; **Alam, Muhammad Mahtab**; Alam, Muhammad Mahtab; Mavromoustakis, Constandinos X. Internet of Things / 2020 https://doi.org/10.1007/978-3-030-44907-0_8 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Maritime investment appraisal: The case of waste heat recovery systems installation

Olaniyi, Eunice Omolola; Prause, Gunnar Klaus Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 603-612 https://doi.org/10.1007/978-3-030-68476-1_56 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Mathematical and physical modelling of the dynamic electrical bioimpedance

Giannoukos, Georgios; Min, Mart International journal of circuits, systems and signal processing 2014 / p. 600-606 : ill <https://www.naun.org/main/NAUN/circuitssystemsignal/2014/a542005-049.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Maturity Model for Automatization of Service Provision and Decision-Making Processes in Municipalities

Pappel, Ingmar; **Gelashvili, Teona; Pappel, Ingrid** Proceedings of Sixth International Congress on Information and Communication Technology 2022 / p. 399-409 : ill https://doi.org/10.1007/978-981-16-1781-2_37 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections

Must, Indrek; **Anton, Mart**; Viidalepp, Erki; Põldsalu, Inga; Punning, Andres; Aabloo, Alvo Smart Materials and Structures 2013 / art. 104015 <https://doi.org/10.1088/0964-1726/22/10/104015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Middleware for exchange and validation of context data and information

Preden, Jürjo-Sören; Llinas, James; **Mötus, Leo** Context-enhanced information fusion : boosting real-world performance with domain knowledge 2016 / p. 205-230 : ill https://doi.org/10.1007/978-3-319-28971-7_9 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A modified dynamic model of single-sided linear induction motors considering longitudinal and transversal effects

Heidari, Hamidreza; Rassölkin, Anton; Razzaghi, Arash; **Vaimann, Toomas**; **Kallaste, Ants**; **Andriushchenko, Ekaterina**; **Belahcen, Anouar**; Lukichev, Dmitry Electronics 2021 / art. 933, 14 p. : ill <https://doi.org/10.3390/electronics10080933> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modified technique of parameter identification of a permanent magnet synchronous motor with PWM inverter in the presence of dead-time effect and measurement noise

Mamatov, Aleksandr; Lovlin, Sergey; **Vaimann, Toomas**; **Rassölkin, Anton**; Vakulenko, Sergei; Abramian, Andrei Electronics 2019 / art. 1200, 19 p <https://doi.org/10.3390/electronics8101200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New high-gain transformerless DC/DC boost converter system

Ahmed, Hassan Yousif; **Abdelrahim Abdelghafour, Omar Mohamed**; Ali, Ziad M. Electronics 2022 / art. 734 <https://doi.org/10.3390/electronics11050734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new modulated finite control set-model predictive control of quasi-Z-source inverter for PMSM drives

Ahmed, Abdelsalam A.; **Bakeer, Abualkasim Ahmed Ali**; Alhelou, Hassan Haes; Siano, Pierluigi; Mossa, Mahmoud A. Electronics (Switzerland) 2021 / art. 2814 <https://doi.org/10.3390/electronics10222814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Object segmentation for autonomous driving using iseAuto data

Gu, Junyi; Bellone, Mauro; Sell, Raivo; Lind, Artjom Electronics (Switzerland) 2022 / Art. 1119 <https://doi.org/10.3390/electronics11071119> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On measuring confounding bias in mixed multidimensional data : case of coerced multiple linear regression adjustment

Arakkal Peious, Sijo; Kaushik, Minakshi; Shah, Syed Attique; **Sharma, Rahul**; **Suran, Shweta**; **Draheim, Dirk** ICT for Intelligent Systems : proceedings of ICTIS 2024. Vol. 6 2024 / p. 329-342 https://doi.org/10.1007/978-981-97-6684-0_27 [Conference proceedings at Scopus](#) [Article at Scopus](#)

On safety aspects of ammonia as marine fuel

Finger, Georg; **Prause, Gunnar Klaus** RelStat-2023 : Reliability and Statistics in Transportation and Communication : selected papers 2024 / p. 57-65 https://doi.org/10.1007/978-3-031-53598-7_5 [Conference proceedings at Scopus](#) [Article at Scopus](#)

On the design of base tables in the SQL databases of some existing software

Eessaar, Erki Software engineering perspectives in systems : proceedings of 11th Computer Science On-line Conference 2022, Vol. 1 2022 / p. 309-324 https://doi.org/10.1007/978-3-031-09070-7_26 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On the naming of database objects in the SQL databases of some existing software

Eessaar, Erki Software engineering research in system science : proceedings of 12th Computer Science On-line Conference 2023 2023 / p. 534 - 550 https://doi.org/10.1007/978-3-031-35311-6_51 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Ontology integration : approaches and challenging issues

Osman, Ines; **Ben Yahia, Sadok**; Diallo, Gayo Information Fusion 2021 / p. 38-63 : ill <https://doi.org/10.1016/j.inffus.2021.01.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Operating wireless sensor nodes without energy storage : experimental results with transient computing

Ahmed, Faisal; **Ahmed, Tauseef**; Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul** Electronics 2016 / art. 89, p. 1-14 : ill <https://doi.org/10.3390/electronics5040089> [Journal metrics at scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The opinions of basic school students regarding the use of telepresence robots for teaching and learning

Leoste, Janika; **Kangur, Katrin**; **Talisainen, Aleksei**; **Muoni, Karin**; **Marmor, Kristel**; **Budagov, Fuad**; Strömberg-Järvis, Kadri; Rebane, Anne-Mari; Rossi, Matti Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 89-100 https://doi.org/10.1007/978-3-031-67059-6_9 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Optimal control of automatic manipulator for elimination of galvanic line load oscillation

Autsou, Siarhei; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Demidova, Galina**; Saroka, Viktor; Karpovich, Dzmitry; **Kallaste, Ants** Periodica polytechnica electrical engineering and computer science 2021 / 15 p. : ill <https://doi.org/10.3311/PPee.15893> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

Pair-programming with a telepresence robot

Leoste, Janika; **Põial, Jaanus**; **Marmor, Kristel**; Fenyvesi, Kristof; Häkkinen, Päivi Robotics in education : proceedings of the RiE 2023 conference 2023 / p. 143 - 154 https://doi.org/10.1007/978-3-031-38454-7_13 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Performance of a distributed apriori algorithm using the serverless functions of the Apollo framework

Shahin, Mahtab; Shah, Syed Attique; Sharma, Rahul; **Ghasempouri, Tara**; Poveda, Juan Aznar; Fahringer, Thomas; **Draheim, Dirk** Machine Learning Methods in Systems : proceedings of 13th Computer Science On-line Conference 2024 2024 / 12 p <https://link.springer.com/book/9783031705946> https://doi.org/10.1007/978-3-031-70595-3_37 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Positive-energy D-bar method for acoustic tomography : a computational study

de Hoop, M. V.; Lassas, Matti; Santacesaria, M.; Siltanen, Samuli; **Tamminen, Janne Pertti Olavi** Inverse problems 2016 / art. 025003, p. 1-35 : ill <https://doi.org/10.1088/0266-5611/32/2/025003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

PPCSA: Partial Participation-Based Compressed and Secure Aggregation in Federated Learning

Moustafa, Ahmed; Asad, Muhammad; Shaukat, Saima; **Norta, Alexander** Advanced Information Networking and Applications : Proceedings of the 35th International Conference on Advanced Information Networking and Applications (AINA-2021), Volume 2 2021 / p. 345-357 https://doi.org/10.1007/978-3-030-75075-6_28 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Preface

Auer, Michael E.; **Rüütman, Tiia**; Pachatz, Wolfgang Learning in the Age of Digital and Green Transition Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1 2023 / p. vi-ix <https://link.springer.com/book/10.1007/978-3-031-26876-2> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface

Shkarlet, Serhiy; Palagin, Alexander; Morozov, Anatoliy; **Vinnikov, Dmitri**; Stoianov, Nikolai; Zhelezniak, Mark; Kazymyr, Volodymyr Mathematical Modeling and Simulation of Systems : Selected Papers of 17th International Conference, MODS, November 14-16, 2022, Chernihiv, Ukraine 2023 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-30251-0> [Conference Proceedings at Scopus](#)

Preface

Auer, Michael E.; **Rüütman, Tiia**; Pachatz, Wolfgang Learning in the age of digital and green transition: proceedings of the 25th international conference on interactive collaborative learning (ICL2022), Volume 2 2023 / p. v-ix

<https://link.springer.com/book/10.1007/978-3-031-26190-9> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Preface

Kazymyr, Volodymyr; Morozov, Anatoliy; Palagin, Alexander; Shkarlet, Serhiy; Stoianov, Nikolai; **Vinnikov, Dmitri**; Zhelezniak, Mark Mathematical Modeling and Simulation of Systems : Selected Papers of 18th International Conference, MODS, November 13-15, 2023, Chernihiv, Ukraine 2024 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-67348-1> [Conference proceedings at Scopus](#)

[Article at Scopus](#)

Preface

Shkarlet, Serhiy; Morozov, Anatoliy; Palagin, Alexander; **Vinnikov, Dmitri**; Stoianov, Nikolai; Zhelezniak, Mark; Kazymyr, Volodymyr Mathematical Modeling and Simulation of Systems : Selected Papers of 16th International Scientific-practical Conference, MODS, 2021 June 28–July 01, Chernihiv, Ukraine 2022 / p. ix-x <https://doi.org/10.1051/mmnp/2018041> [Conference Proceedings at Scopus](#)

[Article at Scopus](#)

Preparing Master's degree students for doctoral studies - a lecturer's perspective : results of a case study of problem-based learning (PBL)

Nutt, Nele; Karu, Katrin; **Raamets, Jane** Towards a Hybrid, Flexible and Socially Engaged Higher Education : Proceedings of the 26th International Conference on Interactive Collaborative Learning (ICL2023), Volume 2 2024 / p. 355-365 https://doi.org/10.1007/978-3-031-52667-1_34 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Janno, Jelizaveta; **Körbe Kaare, Kati** Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021), Vol. 1 2022 / p. 492-503

https://doi.org/10.1007/978-3-030-93904-5_49 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The prospect of inclusive pedagogy in efficiency-centric governance paradigm : business and entrepreneurship teachers' perspectives

Niine, Tarvo; **Küttim, Merle**; **Semm, Kristin** Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 2 2023 / p. 684-694 https://doi.org/10.1007/978-3-031-26190-9_72 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Quasi-Z source T-type power converter for PV based commercial and industrial nanogrids with active functions strategy

Barrero-Gonzalez, Fermin; Roncero-Clemente, Carlos; Milanes-Montero, Maria Isabel; Gonzalez-Romera, Eva; Romero-Cadaval, Enrique; **Husev, Oleksandr** Electronics 2020 / art. 1233, 18 p. : ill <https://doi.org/10.3390/electronics9081233> [Journal metrics at Scopus](#)

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

Reconstruction of an order of derivative and a source term in a fractional diffusion equation from final measurements

Janno, Jaan; **Kinash, Natalia** Inverse problems 2018 / art. 025007, 19 p. : ill <https://doi.org/10.1088/1361-6420/aaa0f0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regional capabilities to tackle climate change : setting a research agenda for big data driven tools

Bzhalava, Levan; Makkonen, Teemu Networks, Markets & People : Communities, Institutions and Enterprises Towards Post-humanism Epistemologies and AI Challenges, Volume 5 2024 / p. 30-37 https://doi.org/10.1007/978-3-031-74704-5_4 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Reinforcing innovation and competitiveness of SMEs by new maritime clustering initiatives in South Baltic Sea region

Meyer, Christopher; **Philipp, Robert**; Gerlitz, Laima Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 633–648 https://doi.org/10.1007/978-3-030-68476-1_59 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Reliability of electroencephalogram-based individual markers - case study

Uudeberg, Tuuli; **Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** 2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2020 / p. 276 - 279 <https://doi.org/10.1109/EMBC44109.2020.9175274> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ring-oscillator with multiple transconductors for linear analog-to-digital conversion

Alvero-Gonzalez, Leidy Mabel; Medina, Victor; **Kampus, Vahur**; Paton, Susana; Hernandez, Luis; Gutierrez, Eric Electronics (Switzerland) 2021 / art. 1408 <https://doi.org/10.3390/electronics10121408> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Risk assessment of logistics hub development along green transport corridors : the case of Paldiski port

Kitzmann, Harald; Falko, Sergei; **Prause, Gunnar Klaus** Reliability and statistics in transportation and communication : Selected Papers from the 19th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'19, 16-19 October 2019, Riga, Latvia 2020 / p. 341-350 https://doi.org/10.1007/978-3-030-44610-9_34 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Robust design optimization of electrical machines and devices : editorial

Orosz, Tamas; Panek, David; **Rassölkin, Anton**; Kuczmann, Miklos Electronics 2022 / art. 1427
<https://doi.org/10.3390/electronics11091427> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust detectors for cognitive radio system

Trump, Tõnu; **Khan, Imtiyaz** EURASIP journal on wireless communications and networking 2015 / p. 1-16 : ill
<https://doi.org/10.1186/s13638-015-0487-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust stability testing function for a complex interval family of fractional-order polynomials

Ghorbani, Majid; Rezaei, Hossein; **Tepljakov, Aleksei**; **Petlenkov, Eduard** Journal of the Franklin Institute 2022 / p. 10038 - 10057
<https://doi.org/10.1016/j.jfranklin.2022.09.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runtime contention and bandwidth-aware adaptive routing selection strategies for networks-on-chip

Samman, Faizal; **Hollstein, Thomas**; Glesner, Manfred IEEE transactions on parallel and distributed systems 2013 / p. 1411-1421 : ill
<https://doi.org/10.1109/TPDS.2012.200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Russian river shipping : evolution and perspectives

Molotov, Mikhail; Philipp, Robert; **Prause, Gunnar Klaus** Reliability and Statistics in Transportation and Communication : selected papers from the 21st International Multidisciplinary Conference on Reliability and Statistics in Transportation and Communication, RelStat2021, 14-15 October 2021, Riga, Latvia 2022 / p. 259–269 https://doi.org/10.1007/978-3-030-96196-1_23 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Safety system assessment case study of automated vehicle shuttle

Pikner, Heiko; **Sell, Raivo**; **Majak, Jüri**; **Karjust, Kristo** Electronics (Switzerland) 2022 / art. 1162
<https://doi.org/10.3390/electronics11071162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The scarcity and competence gaps of teaching logistics in top European business schools

Niine, Tarvo; **Küttim, Merle**; **Nuus, Rasmus**; **Tuisk, Tarmo** Towards a Hybrid, Flexible and Socially Engaged Higher Education : Proceedings of the 26th International Conference on Interactive Collaborative Learning (ICL2023), Volume 2 2024 / p. 270–277
https://doi.org/10.1007/978-3-031-52667-1_27 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Service design for trans-national smart supply chains

Gerasimova, Vera; **Philipp, Robert**; **Prause, Gunnar Klaus** Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 377-388 https://doi.org/10.1007/978-3-030-68476-1_35 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Significant factors extraction : a combined logistic regression and apriori association rule mining approach

Shahin, Mahtab; Burtl, Markus; **Heidari Iman, Mohammad Reza**; **Ghasempouri, Tara**; **Sharma, Rahul**; Shah, Syed Attique; Draheim, Dirk Machine Learning Methods in Systems : proceedings of 13th Computer Science On-line Conference 2024 ; Vol. 4 2024 / p. 295-311 <https://link.springer.com/book/9783031705946> https://doi.org/10.1007/978-3-031-70595-3_30 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Single channel EEG analysis for detection of depression

Bachmann, Maie; **Lass, Jaanus**; **Hinrikus, Hiie** Biomedical signal processing and control 2017 / p. 391-397 : ill
<https://doi.org/10.1016/j.bspc.2016.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small and medium-sized seaports on the digital track : tracing digitalisation across the South Baltic region by innovative auditing procedures

Philipp, Robert; Gerlitz, Laima; Moldabekova, Aisulu Reliability and statistics in transportation and communication : Selected Papers from the 19th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'19, 16-19 October 2019, Riga, Latvia 2020 / p. 351-362 https://doi.org/10.1007/978-3-030-44610-9_35 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Smart city and smart port concepts : a conceptualisation for digital small and medium-sized port-city innovation ecosystems

Meyer, Christopher; Gerlitz, Laima; Prause, Gunnar Klaus RelStat-2023 : Reliability and Statistics in Transportation and Communication : selected papers 2024 / p. 41-53 https://doi.org/10.1007/978-3-031-53598-7_4 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Socio-Economic aspects of free public transport

Tuisk, Tarmo; Prause, Gunnar Klaus Reliability and Statistics in Transportation and Communication : Selected Papers from the 18th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'18, 17-20 October 2018, Riga, Latvia 2019 / p. 3-13 https://doi.org/10.1007/978-3-030-12450-2_1 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Special session: in-field ML-assisted intermittent fault localization and management in RISC-V SoCs

Selg, Hardi; Shibin, Konstantin; Tsertov, Anton; Jenihhin, Maksim; Ellervee, Peeter; Raik, Jaan 2024 IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT) 2024 <https://doi.org/10.1109/DFT63277.2024.10753541> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Static state feedback linearization of nonlinear control systems on homogeneous time scales

Bartosiewicz, Zbigniew; **Kotta, Ülle; Tönso, Maris**; Wyrwas, Małgorzata Mathematics of control, signals, and systems 2015 / p. 523-550 <https://doi.org/10.1007/s00498-015-0150-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of electrode locations for joint acquisition of impedance- and electro-cardiography signals

Metshein, Margus; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry; **Annus, Paul; Land, Raul; Märtsens, Olev** 2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) Oct 31 - Nov 4, 2021 : virtual conference 2021 / p. 7264-7267 : ill <https://doi.org/10.1109/EMBC46164.2021.9629504> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A systematic literature review on applicability of robot assistants in higher education

Budagov, Fuad; Leoste, Janika; Meeran, Mohammad Tariq; Robal, Tarmo Methodologies and Intelligent Systems for Technology Enhanced Learning : MIS4TEL 2024 2024 / p. 21-32 https://doi.org/10.1007/978-3-031-73538-7_3 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Zero-memory-overhead clipping-based fault tolerance for LSTM deep neural networks

Parchekani, Bahram; Nazari, Samira; **Ahmadiilvani, Mohammad Hasan; Azarpeyvand, Ali; Raik, Jaan; Ghasempouri, Tara; Daneshtalab, Masoud** 37th IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems, Harwell, Oxfordshire, Didcot, UK, October 8th - 10th, 2024 2024 / 4 p. : ill <https://doi.org/10.1109/DFT63277.2024.10753533> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Telepresence robots in higher education - the current state of research

Leoste, Janika; Kikkas, Kaido; Tammemäe, Kalle; Rebane, Martin; Laugasson, Edmund; Hakk, Kristiina Robots in education : RiE 2022 2022 / p. 124-134 https://doi.org/10.1007/978-3-031-12848-6_12 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

TermX—bridging the Gap: implementing CTS2 and FHIR compatible terminology server

Ivanova, Marina; Bossenko, Igor; Piho, Gunnar Proceedings of Ninth International Congress on Information and Communication Technology, ICICT 2024, London. Volume 1 2024 / p. 277-287 : ill https://doi.org/10.1007/978-981-97-4581-4_20 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The 2016 BBN Georgian telephone speech keyword spotting system

Alumäe, Tanel; Karakos, Damianos; Hartmann, William 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 5755-5759 : tab <https://doi.org/10.1109/ICASSP.2017.7953259> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The role of reverse logistics in the transition to a circular economy

Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton**; Shepelev, Vladimir Reliability and Statistics in Transportation and Communication : Selected Papers from the 18th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'18, 17-20 October 2018, Riga, Latvia 2019 / p. 363-373 https://doi.org/10.1007/978-3-030-12450-2_35 [Conference proceedings at Scopus](#) [Article at Scopus](#)

The socio-economic impact of green shipping: a holistic view from the Baltic Sea region

Prause, Gunnar Klaus; Reinhold, Karin; Järvis, Marina; Olaniyi, Eunice Omolola; Tint, Piia Reliability and Statistics in Transportation and Communication : Selected Papers from the 18th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'18, 17-20 October 2018, Riga, Latvia 2019 / p. 615-624 https://doi.org/10.1007/978-3-030-12450-2_59 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Topological review of quasi-switched boost inverters

Barath, Jayakumar Geetha Nataraj; Soundarajan, Ayyasamy; Stepenko, Serhii; **Husev, Oleksandr; Vinnikov, Dmitri**; Nguyen, Minh-Khai Electronics 2021 / art. 1485 <https://doi.org/10.3390/electronics10121485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards early public health emergency anticipating with emerging non-health data per se

Semassel, Imed Eddine; **Ben Yahia Sadok** 12th International Conference on Information Systems and Advanced Technologies "ICISAT 2022" : Intelligent Information, Data Science and Decision Support System 2023 / p. 530 - 546 https://doi.org/10.1007/978-3-031-25344-7_49 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Transnational RIS3 observatory model for smart specialisation monitoring on regional, national and european level

Meyer, Christopher Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 749-757 https://doi.org/10.1007/978-3-030-68476-1_69 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Tremor-related feature engineering for machine learning based Parkinson's disease diagnostics

Valla, Elli; Nõmm, Sven; Medijainen, Kadri; Taba, Pille; Toomela, Aaro Biomedical signal processing and control 2022 / art. 103551 <https://doi.org/10.1016/j.bspc.2022.103551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Understanding the potential of telepresence robots in higher education learning : a case study

Leoste, Janika; Talisainen, Aleksei; Pöial, Jaanus; Kangur, Katrin; Kasuk, Tiina; Parts, Joosep Advances in Information and Communication Proceedings of the 2024 Future of Information and Communication Conference (FICC), Volume 1 2024 / p. 694-704 https://doi.org/10.1007/978-3-031-53960-2_45 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Updated curriculum for engineering pedagogical continuing in-service education

Rüütman, Tiia; Annus, Ivar; Kübarsepp, Jakob; Läänemets, Urve; Umborg, Jaak Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021), Volume 2 2022 / p. 556-567 https://doi.org/10.1007/978-3-030-93907-6_59 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The usage of declarative integrity constraints in the SQL databases of some existing software

Eessaar, Erki Software Engineering and Algorithms : Proceedings of 10th Computer Science On-line Conference 2021, Vol. 1 2021 / p. 375-390 https://doi.org/10.1007/978-3-030-77442-4_33 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Using telepresence robots for ICT consultancy

Leoste, Janika; Pöial, Jaanus; Rebane, Martin; Marmor, Kristel; Tammemäe, Kalle Towards a hybrid, flexible and socially engaged higher education 2024 / p. 157-168 https://doi.org/10.1007/978-3-031-52667-1_17 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A web-based economic decision tool for abatement investments for shipping industry

Bakkar, Yassine; Robal, Tarmo; Prause, Gunnar Klaus Reliability and statistics in transportation and communication : Selected Papers from the 19th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'19, 16-19 October 2019, Riga, Latvia 2020 / p. 363-373 https://doi.org/10.1007/978-3-030-44610-9_36 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Wide-range operation of high step-up DC-DC converters with multimode rectifiers

Chub, Andrii; Vinnikov, Dmitri; Korkh, Oleksandr; Jalakas, Tanel; Demidova, Galina Electronics 2021 / art. 914, 20 p. : ill <https://doi.org/10.3390/electronics10080914> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Work-in-progress : exploring psychological and behavioural differences between university IT student segments formed based on dropout time and academic performance

Puudist, Eerik Sven; Luberg, Ago; Aus, Kati Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 2 2023 / p. 590-596 https://doi.org/10.1007/978-3-031-26190-9_62 [Conference proceedings at Scopus](#) [Article at Scopus](#)