

Algorithm for management of energy in the microgrid DC bus

Peterson, Kristjan 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 / p. 170-174 : ill

Algorithms for learning and adaptation over networks - distributed leader selection = Õppimisalgoritmid hajutatud võrkude tarbeks - juhtsõlme hajus valimine

Ulp, Sander 2019 <https://digi.lib.ttu.ee/i/?11635> https://www.ester.ee/record=b5204290*est

An algorithm for distributed adaptive network communication

Ulp, Sander Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 143-147 : ill

Analysing the behaviour of road users and estimating efficiency of smart pedestrian crossing as a tool for sustainable road safety improvement = Liikluskäitumise analüüs ja targa ülekäiguraja tõhususe hindamine jätkusuutliku liiklusohutuse parandamiseks

Ess, Juri 2022 <https://doi.org/10.23658/taltech.35/2022> https://www.ester.ee/record=b5502798*est
<https://digikogu.taltech.ee/et/Item/55ddb22b-6b51-45d2-a644-d4ccca822be6>

Analysis of microgrid configuration effects on energy efficiency

Peterson, Kristjan; Ahmadiyahangar, Roya; Shabbir, Noman; Vinnal, Toomas 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/>

Analysis of proposed microgrid electric energy management methods

Korõtko, Tarmo 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 / p. 205-209

Ants Vill: Eesti idufirmad vajavad tugevat toetust ja tugevat fookust

Vill, Ants Trialoog 2025 <https://trialoog.taltech.ee/ants-vill-eesti-idufirmad-vajavad-tugevat-toetust-ja-tugevat-fookust/>

Applicability of ITS solutions in the field of winter maintenance in Estonia

Pruunsild, Rene; Mäe, Roland; Antov, Dago Acta Technica Napocensis : civil engineering & architecture 2014 / p. 84-94 : ill

Autonoomsed intelligentsed tehnoloogiad ja õigusruum : ettekanne

Kerikmäe, Tanel Eesti Krati tegevuskava koostamise lõpuseminar, TalTech, 28.05.2019 / 18 l
https://docs.wxstatic.com/ugd/89dea2_c9baeef025a945c2a9585179074fd189.pdf

Autonoomsete ja kaugjuhitavate laevade võimalused ja murekohad

Paat & Meremees 2016 / lk. 94 http://www.ester.ee/record=b4471304*est

Blockchain, smart contracts und recht - smart contracts als risiko für informatiker

Hoffmann, Thomas; Skwarek, Volker Informatik Spektrum 2019 / p. 197-204 <https://doi.org/10.1007/s00287-019-01180-3> [Journal metrics at Scopus](#) [Article at Scopus](#)

Car drivers intelligent transportation systems

Poli, Marko; Britschgi, Virpi; Forward, Sonja; Antov, Dago European road users' risk perception and mobility : the SARTRE 4 survey 2012 / p. 113-133 : ill

Case study of smart city lighting system with motion detector and remote control

Kuusik, Marko; Varjas, Toivo; Rosin, Argo 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513906>

Clustering of Transmission System Loads Based on Monthly Load Class Energy Consumptions

Leinakse, Madis; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 / 6 p. : ill <https://doi.org/10.1109/EPE51172.2020.9269197>

Common-ground energy router structure with enhanced reliability and protection = Ühise nulljuhtmega suurendatud töökindluse ja kaitsega energiaruuter

Rahimpour, Saeed 2024 <https://doi.org/10.23658/taltech.45/2024> https://www.ester.ee/record=b5694226*est
<https://digikogu.taltech.ee/et/Item/520b18fc-f0a8-4a08-ade8-d3b890d253ff>

Comparative analysis of intelligent braking controllers for electric vehicles

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard Renewable energy and power quality journal 2022 / p. 55-60
<https://doi.org/10.24084/repqj20.217> [Journal metrics at Scopus](#) [Article at Scopus](#)

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](#)

Databases, intelligent

Henno, Jaak Systems & control encyclopedia. Supplementary volume 2 1992 / p. 707-710

Demand side management in small power systems - the Estonian case study

Drovtar, Imre; Rosin, Argo; Kilter, Jako Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 13-19 : ill <https://doi.org/10.5755/j01.eie.22.3.15308> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Describing knowledge architectures

Tõugu, Enn Information modelling and knowledge bases XVII 2006 / p. 329-340 : ill https://www.researchgate.net/publication/221014061_Describing_Knowledge_Architectures

Design for product and service innovation in industry 4.0 and emerging smart society

Gerlitz, Laima Journal of security and sustainability issues 2015 / p. 181-198 : ill [http://dx.doi.org/10.9770/jssi.2015.5.2\(5\)](http://dx.doi.org/10.9770/jssi.2015.5.2(5))

Design management as a domain of smart and sustainable enterprise : business modelling for innovation and smart growth in Industry 4.0

Gerlitz, Laima Entrepreneurship and sustainability issues 2016 / p. 244-268 : ill [http://dx.doi.org/10.9770/jesi.2016.3.3\(3\)](http://dx.doi.org/10.9770/jesi.2016.3.3(3))

Design-driven innovation in SMEs : smart and sustainable organisation within industrial transformation

Gerlitz, Laima International journal of environmental policy and decision making 2017 / p. 98-124 : ill <http://dx.doi.org/10.1504/IJEPDM.2017.10004239>

Designing effective Chatbot solutions for the public sector: A case study from Ukraine

Petriv, Yulia; Erlenheim, Regina; Tsap, Valentyna; Pappel, Ingrid; Draheim, Dirk Electronic Governance and Open Society: Challenges in Eurasia : 6th International Conference, EGOSE 2019, St.Petersburg, Russia, November 13-14, 2019 : Proceedings 2020 / p. 320-335 https://doi.org/10.1007/978-3-030-39296-3_24 [Conference proceeding at Scopus](#) [Article at Scopus](#)

Developing benthic monitoring programmes to support precise and representative status assessments: a case study from the Baltic Sea

Nygard, Henrik; Lindegarth, Mats; Darr, Alexander; Dinesen, Grete E.; Eigaard, Ole R.; Lips, Inga Environmental monitoring and assessment 2020 / p. 1-18 : ill <https://doi.org/10.1007/s10661-020-08764-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Developing intelligent logistics - building a competence model for logistics systems engineer

Niine, Tarvo; Koppel, Ott Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 239-248 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095977>

Development and control of energy exchange processes between electric vehicle and utility network = Elektriauto energiasalvesti ja elektriiaotusvõrgu energiavahetusprotsesside uurimine ja juhtimine

Mägi, Marek 2013 https://www.ester.ee/record=b2966194*est

Development of a smart workstation by using AR technology

Värno, Kätlin; Otto, Tauno; Mahmood, Kashif; Kuts, Vladimir The application track, posters and demos of EuroVR : Proceedings of the 16th Annual EuroVR Conference - 2019 2019 / p. 19-22 : ill <https://doi.org/10.32040/2242-122X.2019.T357> <https://www.vtresearch.com/sites/default/files/pdf/technology/2019/T357.pdf>

Development of a smart workstation by using AR technology

Värno, Kätlin; Mahmood, Kashif; Otto, Tauno; Kuts, Vladimir Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / 1061-1067 : ill <https://doi.org/10.2507/30th.daaam.proceedings.148>

Development of realtime co-simulation platform harnessing consumer energy flexibility through an aggregator to provide grid support

Shabbir, Noman; Ahamadihangar, R; Rosin, Argo; Kilter, Jako; Martins, Joao IEEE Transactions on Consumer Electronics 2024 / p. 6641-6652 <https://doi.org/10.1109/TCE.2024.3470241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of testing method for smart substations with prosumers

Korõtko, Tarmo; Merisalu, Ülo; Mägi, Marek; Peterson, Kristjan; Pettai, Elmo Journal of microelectronics, electronic components and materials 2014 / p. 185-200 : ill <https://www.dlib.si/details/URN:NBN:SI:doc-N5PGZIFC> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distributed diffusion LMS based energy detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 2014 6th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT) 2014 / p. 176-183 : ill

Editorial message : Special track on Intelligent Systems for Digital Era (ISDE)

Robal, Tarmo; Liiv, Innar; Kalibatiene, Diana SAC '23: Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing 2023 / p. 824-825 <https://doi.org/10.1145/3555776>

Eestis loodud nutiventilatsiooniseade toob leevendust kehvale toaõhule : [ka J. Kurnitski komentaaridega]

Linnaleht 2018 / lk. 17 : fot

E-learning repository search agent

Õunapuu, Enn Proceedings of the Eighth IASTED International Conference on Computers and Advanced Technology in Education : August 29-31, 2005, Oranjestad, Aruba 2005 / p. 210-216 https://www.academia.edu/63163858/E_Learning_Repository_Search_Agent

Embedding symbolic reasoning to reactive control

Küngas, Peep Databases and information systems : proceedings of the Fifth International Baltic Conference : Baltic DB & IS 2002 : Tallinn, June 3-6, 2002. Vol. 2 2002 / p. 263-268

Energiasalvestid ja -salvestustehnoloogiad

Rosin, Argo; Link, Siim; Hõimoja, Hardi; Drovtar, Imre 2015 http://www.ester.ee/record=b4484414*est

e-Residency : a business platform for smart rural development?

Prause, Gunnar Klaus; Boevsky, Ivan Икономика и управление на селското стопанство = Agricultural economics and management 2016 / p. 79-88 : ill

Error-free simplification of transparent Mamdani systems

Riid, Andri; Saastamoinen, Kalle; **Rüstern, Ennu** 2008 / p. 2-8 - 2-13 <https://ieeexplore.ieee.org/document/4670399>

Exploration towards the development of a concept and requirements for FMBIM information management : research report [Online resource]

Pikas, Ergo; Tamme, Mats; Liias, Roode 2016

<http://www.rkas.ee/files/Exploration%20Towards%20the%20Development%20of%20the%20FMBIM%20Information%20Concepts%20and%20Requirements%20Pikas.pdf>

Facing distorted current and undesirable consumption in smart grids

Niitsoo, Jaan; Švalova, Jelena; Haas, Ats; Palu, Ivo; Taklaja, Paul 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 142-146 : ill

Floor selection proposal for automated travel with smart elevator

Reinsalu, Uljana; Robal, Tarmo; Leier, Mairo Databases and Information Systems : 14th International Baltic Conference, DB&IS 2020, Tallinn, Estonia, June 16-19, 2020 : Proceedings 2020 https://doi.org/10.1007/978-3-030-57672-1_4 [Conference proceeding at Scopus](#) [Article at Scopus](#)

A framework of adaptation

Lints, Taivo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 35-38

Frequency and power allocation schemes for heterogeneous networks including femto cells

Ahmed, Tauseef; Le Moullec, Yannick 2015 23rd Telecommunications Forum (TELFOR) : Belgrade, Serbia, November, 24-26, 2015 : proceedings of papers = XXIII Телекомуникациони Форум ТЕЛФОР 2015 : зборник радова 2015 / p. 277-280 : ill <http://dx.doi.org/10.1109/TELFOR.2015.7377464>

FSMD RTL design manipulation for clock interface abstraction

Abrar, Syed Saif; Jenihhin, Maksim; Raik, Jaan 2015 International Conference on Advances in Computing, Communications and Informatics (ICACCI) : 10-13 August 2015, Kerala, India 2015 / p. 463-468 : ill <http://dx.doi.org/10.1109/ICACCI.2015.7275652>

Fuzzy AHP as a tool for prioritization of key performance indicators

Kaganski, Sergei; Majak, Jüri; Karjust, Kristo Procedia CIRP 2018 / p. 1227-1232 : ill <https://doi.org/10.1016/j.procir.2018.03.097> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hakkajad noored näevad oma tulevikku Ida-Virumaal = Инициативная молодежь видит свое будущее в Ида-Вирумаа

Põhjarannik 2024 / lk. 11 <https://dea.digar.ee/article/pohjarannik/2024/04/13/15.1> <https://dea.digar.ee/article/severnojepob/2024/04/13/17.1>

Hardware-in-the-Loop test of an open loop fuzzy control method for decoupled electro-hydraulic antilock braking system

Aksjonov, Andrei; Ricciardi, Vincenzo; Augsburg, Klaus; **Vodovozov, Valery**; **Petlenkov, Eduard** IEEE transactions on fuzzy systems 2020 / p. 965-975: ill <https://doi.org/10.1109/TFUZZ.2020.2965868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Humidity and temperature data logger

Lazar, Anca; Ursulean, Radu BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 159-162: ill

Ilmus eestikeelne raamat energiasalvestistest

Ehitaja 2015 / lk. 34 : ill

Implementation of a web-based remote control system for qZS DAB application using low-cost ARM platform

Korzeniewski, Marek; Kulikowski, Krzysztof; **Zakis, Janis**; Jasiński, Marek Tomasz; Malinowski, Aleksander Bulletin of the Polish Academy of Sciences: Technical Sciences 2016 / p. 887-896 <https://doi.org/10.1515/bpasts-2016-0097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Implementing an AI-based digital twin analysis system for real-time decision support in a custom-made sportswear SME

Raamets, Tõnis; **Karjust, Kristo**; **Majak, Jüri**; **Hermaste, Aigar** Applied sciences 2025 / art. 7952 <https://doi.org/10.3390/app15147952>

Industry 4.0 - new perspectives for smart production and logistics in the Baltic Sea Region

Prause, Gunnar Klaus Baltic rim economies 2015 / p. 41 http://www.utu.fi/en/units/tse/units/PEI/BRE/Documents/BRE_4_2015%20web.pdf

Inimesed ja robotid moodustavad arukaid süsteeme : [K. Taveteri monograafiast ja selle esitlusest]

Mente et Manu 2009 / lk. 1 : fot https://www.ester.ee/record=b1242496*est

Intelligence system for design and investigation mechanical values sensors

Shmakov, E.M.; Matveev, V.A.; Molotkov, S.V. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 261-269: ill

Intelligent control and diagnostics system for Tallinn trams

Rosin, Argo; **Lehtla, Madis**; Möller, Taavi EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems 2004 / p. 6-185 - 6-188 : ill

Intelligent decision support system

Ševtšenko, Eduard; **Karaulova, Tatjana**; **Küttner, Rein** 50. Internationales Wissenschaftliches Kolloquium : 19.-23.09.2005 : Mechanical Engineering from Macro to Nano : [proceedings] 2005 / p. 549-550 : ill

Intelligent resource management in mobile edge computing for IIoT applications

2020 <https://www.sciencedirect.com/journal/computer-communications/special-issue/10TQNXCF0J>

Intelligent support for expert system verification and testing in object-oriented programming environments : (preprint)

Trausan-Matu, S.; **Tepandi, Jaak**; Barbuceanu, M. 1990

Intelligent system for engineering and production planning for collaborative SME-s

Ševtšenko, Eduard; **Küttner, Rein** 7th International Conference on Computer Integrated Manufacturing : Intelligent Manufacturing Systems 2005 / p. 246-253 : ill

Introducing a taxonomy of the "smart city" : towards a commons-oriented approach?

Niaros, Vasileios TripleC 2016 / p. 51-61 : ill <https://doi.org/10.31269/triplec.v14i1.718> [Journal metrics at Scopus](#) [Article at Scopus](#)

Introduction to building automation, controls and technical building management

Brook, Bonnie; Corgnati, Stefano Paolo; D'Oca, Simona; **Kurnitski, Jarek** 2017

ITS safety ensuring through situational management methods

Makarova, Irina; Shubenkova, Ksenia; Mukhametdinov, Eduard; Mavrin, Vadim; **Antov, Dago**; **Pashkevich, Anton** Intelligent Transport Systems – From Research and Development to the Market Uptake : First International Conference, INTSYS 2017, Hyvinkää, Finland, November 29-30, 2017, Proceedings 2018 / p. 133 - 143 https://doi.org/10.1007/978-3-319-93710-6_15 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Joint Proceedings of Baltic DB&IS 2022 Doctoral Consortium and Forum co-located with 15th International Baltic Conference on Digital Business and Intelligent Systems (Baltic DB&IS 2022)

2022 <https://ceur-ws.org/Vol-3158/>

Kas nutikas ülekäigurada aitaks liiklejaid ka lumeuputuse ajal?

postimees.ee 2022 [Kas nutikas ülekäigurada aitaks liiklejaid ka lumeuputuse ajal?](https://digikogu.taltech.ee/et/Item/55ddb22b-6b51-45d2-a644-d4cca822be6) <https://digikogu.taltech.ee/et/Item/55ddb22b-6b51-45d2-a644-d4cca822be6> https://www.ester.ee/record=b5502798*est

Legal aspects of cybersecurity in emerging technologies : smart grids and big data : European answers to security breaches and "common" cyber crime

Kasper, Agnes Regulating eTechnologies in the European Union : normative realities and trends 2014 / p. 189-216 : ill

A legally relevant socio-technical language development for smart contracts = Arukate lepingute jaoks õiguslikult asjakohane sotsiaal-tehniline keelearendus

Dwivedi, Vimal Kumar 2022 <https://doi.org/10.23658/taltech.14/2022> <https://digikogu.taltech.ee/et/Item/f69ec767-0112-4342-9d4c-aceb37502c0b> https://www.ester.ee/record=b5497769*est

Machine learning approach for flexibility characterisation of residential space heating

Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Biechl, Helmuth IECON 2021 - 47th Annual Conference of the IEEE Industrial Electronics Society, Toronto, Canada, Oct. 13-16, 2021 2021 / 6 p. : ill <https://doi.org/10.1109/IECON48115.2021.9589216>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Majandus- ja Kommunikatsiooniministeeriumi lihtmenetlusega riigihanke Ehitusinfo modelleerimise regulatsiooni süsteemi alusuuring II aruanne [Võrguväljaanne]

Lill, Irene; Liias, Roode; Witt, Emlyn David Qivitoq; Nuuter, Tiina; Tüvi, Kristjan 2016
https://www.mkm.ee/sites/default/files/03_lopparuanne-30.06.2016.pdf

Manufacturing environment modelling in intelligent manufacturing systems

Papstel, Jüri Nordic-Baltic Summer School '98 : Lectures Notes : Intelligent Design, Intelligent Manufacturing and Intelligent Management 1999 / p. 185-215

Matemaatika lektor Maarika Virkunen pälvis Gerhard Rägo nimelise mälestusmedali

postimees.ee 2022 [Matemaatika lektor Maarika Virkunen pälvis Gerhard Rägo nimelise mälestusmedali](#)

Mediated interactions for collection and exchange of situational information in smart environments = Vahendatud interaktsioonid olukorratundlikkuse informatsiooni kogumiseks ja vahetamiseks arukates keskkondades

Kaugerand, Jaanus 2020 <https://digikogu.taltech.ee/et/Item/67dab11b-894d-4903-b4ff-f4652e58bf81> TTÜ teadlane pani nutiseadmed omavahel tõhusamalt rääkima (novaator.err.ee, 16.10.2020) <https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf>

Microgrid control and electricity auction

Korõtko, Tarmo 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 242-245 : ill

Mikrovõrk võimaldab energiakasutust tõhusamalt juhtida

Alvela, Ain TööstusEST 2024 / lk. 26-29 : ill https://www.ester.ee/record=b4481084*est

Millised on Tallinna tee-ehituse õppetunnid? Kas linn kasutab liikluses piisavalt moodsaid nutilahendusi?

Kröönström, Kristiina; Fogel, Jürgen pealinn.ee 2023 [Millised on Tallinna tee-ehituse õppetunnid? Kas linn kasutab liikluses piisavalt moodsaid nutilahendusi?](#)

A model-based LQR control of an obstacle avoidance maneuver of a self-driving car

Astrov, Igor; Udal, Andres; Pikner, Heiko; Malayjerdi, Ehsan 2022 IEEE 20th Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMI) : Poprad, Slovakia, 2-5 March 2022 2022 / p. 473-478 : ill
<https://doi.org/10.1109/SAMI54271.2022.9780755>

Modelling of electricity spot price and load forecast based new energy management system for households

Lebedev, Denis; Rosin, Argo 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 222-226 : ill

Modelowanie jednostek srodowiska produkcyjnego w inteligentnych systemach wytwarzania

Papstel, Jüri; Karaulova, Tatjana; Saks, Alo Symulacja procesu wytwarzania i inzynieria wspolbiezna 1998 / p. 57-67

Monitoring and control of smart urban drainage systems using NB-IoT cellular sensor networks

Roosipuu, Priit; Annus, Ivar; Kuusik, Alar; Kändler, Nils; Alam, Muhammad Mahtab Water science & technology Water science and technology 2023 / p. 339-354 <https://doi.org/10.2166/wst.2023.222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-motor pressure management system with minimal energy consumption

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 243-247 : ill
<https://doi.org/10.1109/INDIN.2016.7819166>

Nutika tootmise tuumiktaristu

Eesti teadustaristu teekaart 2019 2019 / lk. 18 : ill https://www.ester.ee/record=b5236321*est

Nutikas ülekäigurada muudab Elva laste koolitee turvalisemaks [Võrguväljaanne]

lounaeestlane.ee 2022 [Nutikas ülekäigurada muudab Elva laste koolitee turvalisemaks](#)

Nutikate lahenduste aeg

Keevallik, Andres Tarkade Klubi 2010 / erinumber, lk.13

Object detection for military surveillance using distributed multimodal smart sensors

Astapov, Sergei; Preden, Jürjo-Sören; Ehala, Johannes; Riid, Andri 2014 19th International Conference on Digital Signal Processing 2014 / p. 366-371 : ill

On sustainable production networks for Industry 4.0

Prause, Gunnar Klaus; Atari Jabar Zadeh, Sina Journal of entrepreneurship and sustainability issues 2017 / p. 421-431 : ill
[http://dx.doi.org/10.9770/jesi.2017.4.4\(2\)](http://dx.doi.org/10.9770/jesi.2017.4.4(2))

On the logic module in intelligent systems

Matsak, Erika Proceedings of the International Conference on Artificial Intelligence : Worldcomp'09 : July 13-16, 2009, Las-Vegas Nevada, USA 2009 / p. 594-599

Ontology-based customization of a scheduling system for discrete manufacturing

Sanko, Jelena; Haav, Hele-Mai; Kotkas, Vahur Databases and information systems IX : selected papers from the twelfth International Baltic Conference, DB&IS 2016 2016 / p. 57-70 : ill <https://doi.org/10.3233/978-1-61499-714-6-57> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Optimizing suburban public transport through smart city logistics: a study on information flow and passenger management

Prokopenko, Olha; **Järvis, Marina**; Prause, Gunnar Klaus; Omelyanenko, Vitaliy; Kara, Inna Acta logistica 2025 / p. 291-299
<https://doi.org/10.22306/al.v12i2.621> <https://www.actalogistica.eu/index.php?stranka=current>

An Overview of Autonomous Parking Systems : Strategies, Challenges, and Future Directions

Olmos Medina, Javier Santiago; Maradey Lázaro, Jessica Gissella; **Rassõlkin, Anton**; González Acuña, Hernán Sensors 2025 / art. 4328 <https://doi.org/10.3390/s25144328> <https://www.mdpi.com/1424-8220/25/14/4328>

Overview of development in the field of energy exchange between electric vehicles and utility network

Mägi, Marek 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 123-124 : ill

Power network management in software

Kangilaski, Taivo 9th IEEE Conference on Emerging Technologies and Factory Automation (ETFA'2003) : Calouste Gulbenkian Foundation, Lisbon, Portugal, 16-19 September 2003. 2 2003 / p. 588-595 <https://ieeexplore.ieee.org/document/1248752>

Power optimization in a non-coordinated secondary infrastructure in a heterogeneous cognitive radio network

Ahmed, Tauseef; Le Moullec, Yannick Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 79-83 : ill
<https://doi.org/10.5755/j01.eee.21.3.10526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power-efficient frequency allocation algorithms for self-organized networks

Ahmed, Tauseef; Le Moullec, Yannick 2015 Advances in Wireless and Optical Communications RTUWO : 5-6 November 2015, Riga, Latvia : proceedings 2015 / p. 142-145 : ill <http://dx.doi.org/10.1109/RTUWO.2015.7365738>

Preface

Lupeikienė, Audronė; Ralyté, Jolita; Kalibatienė, Diana; **Robal, Tarmo**; Dzemyda, Gintautas Joint Proceedings of Baltic DB&IS Conference Forum and Doctoral Consortium 2024 co-located with 16th International Baltic Conference on Digital Business and Intelligent Systems (Baltic DB&IS 2024) 2024 / p. 2 <https://ceur-ws.org/Vol-3698/preface.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Prioritization of key performance indicators for small and medium enterprises

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

Problems of liable information in intelligent advisory systems

Papstel, Jüri; Saks, Alo BAMFAC : Baltic Sea Metal Forming and Cutting Seminar, 20-21 May 1996 : proceedings 1996 / [10] p.: ill

Põlva näitab eeskuju

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

Research and development of electronic ballasts for smart lighting systems with light emitting diodes = Tarkades valgustussüsteemides kasutatavate LED-valgustite elektrooniliste ballastseadmete uurimine ja arendamine
Milaševski, Irena 2012

Revolutsiooniline Tööstus 4.0 ja väsimatud robotid

Lelumees, Tõnu; **Riives, Jüri; Saaremets, Priit** Inseneeria 2016 / lk. 26-29 : fot https://artiklid.elnet.ee/record=b2753126*est

Robust detectors for cognitive radio = Robustsed detektorid kognitiivsele raadiole

Müürsepp, Ivo 2013 https://www.ester.ee/record=b2996730*est

Robust energy detector for cognitive radio

Müürsepp, Ivo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 113-116

Scenario-based Validation for Autonomous Vehicles with Different Fidelity Levels

Malayjerdi, Mohsen; Kaljavesi, Gemb; Diermeyer, Frank; **Sell, Raivo** 2023 IEEE Conference on Intelligent Transportation Systems (ITSC 2023) 2023 / 6 p <https://doi.org/10.1109/ITSC57777.2023.10422403>

Service quality meter design for self-aware systems

Tammemäe, Kalle; Leier, Mairo AmiES-2015 : Ambient Intelligence and Embedded Systems : International Symposium, 24-26 September, 2015, Oostende, Belgium 2015 / [4] p. : ill

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : Kuala Lumpur, Malaysia, 19-21 October 2015 : [proceedings] 2015 / p. 332-337 : ill <http://dx.doi.org/10.1109/ICSIPA.2015.7412214>

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören IEEE ICSIPA 2015 : 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : 19-21 October, 2015, Hotel Pullman Kuala Lumpur Bangsar : program book 2015 / p. 46

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](#)

Smart health care monitoring technologies to improve employee performance in manufacturing [Electronic resource]

Körbe Kaare, Kati; Otto, Tauno Annals of DAAAM International for 2014 & Collection of Working Papers for 25th DAAAM International Symposium 2014 / p. 1-6. [CD-ROM]

Smart Industry Centre

Estonian research infrastructure roadmap 2019 2019 / p. 18 : ill https://www.ester.ee/record=b5251946*est

Smart rural development

Prause, Gunnar Klaus; Boevsky, Ivan Agricultural economics and management 2015 / p. 63-69

Smart seaports as innovation drivers for blue growth = Nutikad meresadamad kui sinist majanduskasvu vedav innovatsioon

Philipp, Robert 2021 <https://digikogu.taltech.ee/et/Item/f38c058a-0abf-4508-8d55-dca8d0459e5e> https://www.ester.ee/record=b5407533*est
<https://doi.org/10.23658/taltech.14/2021>

Smart sensing and Time of Arrival based location detection in Parking Management Services

Männi, Urmo BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 213-214 : ill

Smart service value: Conceptualization, scale development, and validation in the retailing context

Roy, Sanjit K.; Singh, Gaganpreet; **Hollebeek, Linda Desiree;** Shabnam, Saadia; Japutra, Arnold; van Doorn, Sebastian; Ray, Subhasis; Appio, Francesco Paolo Technovation 2024 / art. 103097 <https://doi.org/10.1016/j.technovation.2024.103097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Smart sustainable agrivoltaics systems: The future of sustainable agricultural technology (Agri-tech) and green energy

Kuaban, Godlove Suila; Czekalski, Piotr; Nwobodo, Onyeka Josephine; **Sell, Raivo;** Nikitenko, Agris; Berkolds, Karlis; Tanko, Kenedy Tabah ICECCME 2023 : The 3rd International Conference on Electrical, Computer, Communications and Mechatronics

Special issue "Advanced hardware implementations for IoT systems and applications"

2022 https://www.mdpi.com/journal/electronics/special_issues/Hardware_IoT

State of the art in research on microgrids realtime studies

Ahmadihangar, Roya 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 67-68
https://www.ester.ee/record=b5183874*est

Strategic factor analysis for Industry 4.0

Wahl, Mike Franz Journal of security and sustainability issues 2015 / p. 241-247

https://www.researchgate.net/publication/287387336_Strategic_factor_analysis_for_industry_40 Journal metrics at Scopus Article at Scopus

Sustainable business models and structures for industry 4.0

Prause, Gunnar Klaus Journal of security and sustainability issues 2015 / p. 159-169 : ill

https://www.researchgate.net/publication/287387194_Sustainable_business_models_and_structures_for_industry_40 Journal metrics at Scopus Article at Scopus

ZED-TTE: Zone embedding and deep neural network based travel time estimation approach

Ounoughi, Chahinez; Yeferny, Taoufik; **Ben Yahia, Sadok** 2021 International Joint Conference on Neural Networks (IJCNN) :

proceedings 2021 / 10 p <https://doi.org/10.1109/IJCNN52387.2021.9533456> Conference Proceedings at Scopus Article at Scopus Article at WOS

TalTechis valminud doktoritöö aitab asjade interneti seadmetel koostööd teha

Mente et Manu 2020 / lk. 33 <https://dea.digar.ee/cgi-bin/dea?a=js&oid=AKmenteetmanu202011&type=staticpdf>
<https://digikogu.taltech.ee/et/Item/67dab11b-894d-4903-b4ff-f4652e58bf81>

Tauno Otto: tootmine mingi järjest nutikammaks

Otto, Tauno TööstusEST 2021 / lk. 6-10 : fot http://www.ester.ee/record=b4481084*est <https://toostusest.ee/uudis/2021/05/25/tauno-otto-tootmine-mingujarjest-nutikammaks/>

Tavaline foorituli võib jääda liiklejale märkamata, aga see Eestis loodud "vilede ja kelladega" ülekäigurada paistab silma igal juhul

geenius.ee 2023 [Tavaline foorituli võib jääda liiklejale märkamata, aga see Eestis loodud "vilede ja kelladega" ülekäigurada paistab silma igal juhul](https://geenius.ee/2023/05/25/tavaline-foorituli-voib-jaada-liiklejale-markamata-aga-see-eestis-loodud-vilede-ja-kelladega-ulekaigurada-paistab-silma-igal-juhul)

Teaduslikult disainitud nutisebrid aitavad elusid päästa

novaator.err.ee 2023 [Teaduslikult disainitud nutisebrid aitavad elusid päästa](https://novaator.err.ee/2023/05/25/teaduslikult-disainitud-nutisebrid-aitavad-elusid-paasta)

Telemaatika ja arukate süsteemide õppekava

Gratšjova, Žanna Aastaraamat 2020 : TalTech Virumaa Kolledž 2021 / lk. 9-10: fot https://www.ester.ee/record=b2666429*est
<http://data.vk.edu.ee/aastaraamat20/>

The international cooperation on remote laboratories in the framework of engineering didactics

Sell, Raivo; Rüütmann, Tiia International journal of engineering pedagogy 2015 / p. 8-11 <http://online-journals.org/index.php/ijep/article/view/3917>

The Machine-to-Everything (M2X) economy: business enactments, collaborations and e-governance

Leiding, Benjamin; Sharma, Priyanka; **Norta, Alexander** Future Internet 2021 / 15 p. : ill <https://doi.org/10.3390/fi13120319> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The Main challenges and barriers to the successful "Smart Shipping"

Alop, Anatoli TransNav: International Journal on Marine Navigation and Safety of Sea Transportation 2019 / p. 521-528
<https://doi.org/10.12716/1001.13.03.05>

The mobility of robotised work cells in manufacturing

Vaher, Kristo; Kangru, Tavo; Otto, Tauno; Riives, Jüri Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 1049-1055 : ill
<https://doi.org/10.2507/30th.daaam.proceedings.146>

Towards personalized elevator travel with smart elevator system

Robal, Tarmo; Reinsalu, Uljana; Leier, Mairo Baltic journal of modern computing 2020 / p. 675-697

<https://doi.org/10.22364/bjmc.2020.8.4.12> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tudengist teadlaseks: Karle teekond Virumaa kolledžis

Nutonen, Karle arileht.delfi.ee 2025 <https://arileht.delfi.ee/artikkel/120381488/tudengist-teadlaseks-karle-teekond-virumaa-kolledzis>

Unified remote and virtual lab solutions for engineering education

Sell, Raivo; Seiler, Sven; **Rüütmann, Tiia** Online experimentation : emerging technologies and IoT 2015 / p. 383-400
http://www.sensorsportal.com/HTML/BOOKSTORE/Online_Experimentation.htm

Unravelling the customer journey: A conceptual framework and research agenda

Mele, Cristina; **Hollebeek, Linda Desiree**; Di Bernardo, Irene; Russo Spena, Tiziana Technological forecasting and social change 2025 / art. 123916 <https://doi.org/10.1016/j.techfore.2024.123916>

The use of artificial intelligence in job seeking and competence development

Liutkevičius, Markko; **Ben Yahia, Sadok** Human factors, business management and society : proceedings of the 13th AHFE International Conference on Human Factors, Business Management and Society, New York, USA, July 24-28, 2022 2022 / p. 128-136
<https://doi.org/10.54941/ahfe1002260>

Uus teaduse teekaardi objekt toetab Tööstus 4.0 arenguid

Otto, Tauno Mente et Manu 2017 / lk. 23-25 : ill http://www.ttu.ee/public/m/mente-et-manu/MM_01_2017/index.html
https://artiklid.elnet.ee/record=b2811465*est

Virtual reality meets intelligence in large scale architecture

Köse, Ahmet; **Petlenkov, Eduard**; **Tepljakov, Aleksei**; **Vassiljeva, Kristina** Augmented Reality, Virtual Reality, and Computer Graphics : 4th International Conference, AVR 2017, Ugento, Italy, June 12-15, 2017 : proceedings. Part II 2017 / p. 297-309 : ill
https://doi.org/10.1007/978-3-319-60928-7_26 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Voltage transients measurements and power line communication [Online resource]

Ahonen, Mikko; **Koppel, Tarmo** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763143>

Väljakutsed energeetikas : [avatud platvorm energiavoogude juhtimiseks]

Korõtko, Tarmo Tehnikamaailm 2024 / lk. 74-75 : fot https://www.ester.ee/record=b1073050*est

Õppekava arukad süsteemid ja rakendustehnoloogia arendus

Gratšjova, Žanna Aastaraamat 2024 2025 / lk. 18 : fot https://www.ester.ee/record=b2666429*est

Поэт и преподаватель Лариса Йоонас: «Любая профессия – это уверенность в себе»

Joonas, Larissa rus.postimees.ee 2023 [Поэт и преподаватель Лариса Йоонас: «Любая профессия – это уверенность в себе»](#)

Требуют ли смарт-контракты государственного регулирования?

Hoffmann, Thomas Проблемы правового обеспечения предпринимательства в условиях цифровой экономики : Международная научно-практическая конференция на тему «Проблемы правового обеспечения предпринимательства в условиях цифровой экономики», посвященной памяти д.ю.н. Ирины Викторовны Амирхановой : 23 апреля 2021 2021 / с. 28-33

Умные пешеходные переходы помогают спасать жизни

Saar, Sandra err.ee 2023 [Умные пешеходные переходы помогают спасать жизни](#)

Учитель физики Сергей Павлов: "Нет нерешаемой проблемы, есть вопрос, на который всегда можно найти ответ"

Kiviselg, Irina severnojepoberezhje.postimees.ee 2025 <https://severnojepoberezhje.postimees.ee/8236460/uchitel-fiziki-sergey-pavlov-net-nereshaemoy-problemy-est-vopros-na-kotory-vsegda-mozhno-nayti-otvet>