

About fuzzy optimization of power system

Valdma, Mati Tarptautinės konferencijos Elektros ir valdymo technologijos - 2006 : pranešimų medžiaga = Proceedings of International Conference Electrical and Control Technologies - 2006 2006 / p. 478-481

About optimal reserves in power systems

Kilk, Kalle; Valdma, Mati 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 20-23

About possibilities to integrate wind farms into Estonian power system

Liik, Olev; Landsberg, Mart; Oidram, Rein Proceedings of Fourth International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms, 20-21 October, 2003, Billund, Denmark. Session 6a. 3 2003 / [10] p

AC-link based new microgrid system for research of local power flow management

Märss, Mairo; Annuk, Andres; Allik, Alo; Uiga, Jaanus Agronomy research 2014 / p. 553-562

https://agronomy.emu.ee/vol122/2014_2_26_b5.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Adaptive chaotic class topology optimization to solve Non-convex CHPED problems in power systems

Gupta, Pradeep Kumar; Tuttleberg, Kaur; Kilter, Jako 2024 IEEE PES Innovative Smart Grid Technologies - Asia (ISGT Asia) 2024 / 6 p. <https://doi.org/10.1109/ISGTAsia61245.2024.10876314>

An adaptive class topology optimization for scheduling thermal generation with cubic fuel cost function

Gupta, Pradeep Kumar; Gupta, Anju Kumari; Tuttleberg, Kaur; Kilter, Jako 2025 15th International Conference on Power, Energy, and Electrical Engineering (CPEEE) 2025 / p. 195-199 <https://doi.org/10.1109/CPEEE64598.2025.10987339>

Adaptive LQR controller for Networked Control Systems subjected to random communication delays

Srinivasan, Seshadri; Vallabhan, Mishiga; Ramaswamy, Srin; Kotta, Ülle American Control Conference (ACC), 2013 : 17 - 19 June 2013, Washington, DC, USA (2013) 2013 / p. 783 - 787 <https://doi.org/10.1109/acc.2013.6579931> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

AI applications to enhance resilience in power systems and microgrids - a review

Zahraoui, Younes; Korotko, Tarmo; Rosin, Argo; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex; Alhamrouni, Ibrahim Sustainability 2024 / art. 4959 <https://doi.org/10.3390/su16124959>

AI technologies and their applications in small-scale electric power systems

Shahid, Arqum; Plaum, Freddy; Korotko, Tarmo; Rosin, Argo IEEE Access 2024 / p. 109984-110001 <https://doi.org/10.1109/ACCESS.2024.3440067>

Algorithmic presentation and estimation of the radial electrical networks 6-220 kV

Rizwanul, Kabir; Latsko, Igor; Fursanov, Mikhail; Shapiro, Ilya 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 39-40

Ameliorated quantum class topology optimization to solve economic load dispatch problems

Gupta, Pradeep Kumar; Kumari Gupta, Anju; Tuttleberg, Kaur; Kilter, Jako 2024 3rd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED) 2024 / 5 p. <https://doi.org/10.1109/SyNERGYMED62435.2024.10799422>

An approach to power system state estimation

Meldorf, Mati; Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan Stockholm Power Tech, June 18-22 1995 : International Symposium on Electric Power Engineering. Information and control systems 1995 / p. 170-175

An electric power system steady - state monitoring complex

Sild, Ants; Meldorf, Mati Symposium on electrical power engineering, 27 January 1989 1989 / p. 61-68

Analysis of consumer energy flexibility and applicability for power system

Metsik, Merilin; Rosin, Argo; Maask, Vahur; Agabus, Hannes 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p. <https://doi.org/10.1109/RTUCON62997.2024.10830882>

Analysis of insulation degradation behavior based on partial discharge measurement

Choudhary, Maninder 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 71-72 : ill https://www.ester.ee/record=b5570906*est

Analysis of possibilities to integrate wind turbines into Estonian power system

Liik, Olev; Landsberg, Mart; Oidram, Rein Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2003 / p. 196-203

Analysis of the applicability of PMU measurements for power quality assessment

Löper, Mari; Trummal, Tarmo; Kilter, Jako 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Sarajevo, Bosnia and Herzegovina, October 21-25, 2018 : proceedings 2018 / 6 p
<https://doi.org/10.1109/ISGTEurope.2018.8571618>

Analysis of traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study

Rosin, Argo; Drovtar, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Anomaly detection and classification in power system state estimation: Combining model-based and data-driven methods

Asefi, Sajjad; Mitrovic, Mile; Cetenovic, Dragan; Levi, Victor; Gryazina, Elena; Terzija, Vladimir Sustainable energy, grids and networks 2023 / art. 101116, 14 p. : ill <https://doi.org/10.1016/j.segan.2023.101116> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of neural-network based variable fractional order PID controllers for load frequency control in isolated microgrids

Belikov, Juri; Nosrati, Komeil; Škiparev, Vjatšeslav; Tepljakov, Aleksei; Petlenkov, Eduard; Levron, Yoash Power system frequency control : modeling and advances. 1st Ed 2023 / p. 203–216 : ill <https://www.elsevier.com/books/power-system-frequency-control/mishra/978-0-443-18426-0>

Applications of digital twins for demand side recommendation scheme with consumer comfort constraints

Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard; Levron, Yoash IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/ISGTEUROPE56780.2023.10407399>

Applications of game theory to design and operation of modern power systems: a comprehensive review

Navon, Aviad; Yosef, Gefen Ben; Machlev, Ram; Shapira, Shmuel; Chowdhury, Nilanjan Roy; **Belikov, Juri;** Orda, Ariel; Levron, Yoash Energies 2020 / art. 3982, 34 p <https://doi.org/10.3390/en13153982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Argo Rosin: ilma insenerideta jääks maailm pimedusse

Rosin, Argo delfi.ee 2025 <https://arileht.delfi.ee/artikkel/120374509/argo-rosin-ilma-insenerideta-jaaks-maailm-pimedusse>

Assessing energy generation and consumption patterns in times of crisis : COVID-19 as a case study

Ofir, Ron; Zargari, Noa; Levron, Yoash; **Belikov, Juri** 2021 IEEE Madrid PowerTech 2021 / 6 l
<https://doi.org/10.1109/PowerTech46648.2021.9494753>

Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Miralles, Alvaro; **Petlenkov, Eduard** IEEE Access 2022 / p. 51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Avariielektrijaam valmis, virtuaaljõujaam arutamisel

Köster, Ain; **Strandberg, Marek** Inseneeria 2014 / lk. 40-43 : ill https://artiklid.elnet.ee/record=b2678063*est

Balti riigid lahkuvad Venemaa elektri sagedusruumist

Rajangu, Väino Elektriala 2024 / lk. 12-13 : fot https://www.ester.ee/record=b1240496*est

Baltimaade ägedaim seade : TTÜ uues laboris saab modelleerida elektrisüsteeme

Kamps, Mari Inseneeria 2017 / lk. 32-33 : fot https://artiklid.elnet.ee/record=b2810866*est

Benchmarking of power quality performance in transmission systems - CIGRE WG C4.27 perspective [Online resource]

Kilter, Jako; Vujatovic, Davor; Elphick, Sean Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 949-954 <https://doi.org/10.1109/ICHQP.2016.7783342>

Calculation of input-output characteristics of power units under incomplete information

Tammoja, Heiki; Attikas, Raivo; Šuvalova, Jelena Oil shale 2007 / p. 277-284 : ill <https://www.kirj.ee/public/oilshale/oil-2007-2s-8.pdf>

Capacitive vs Inductive Coupling Based DC-DC Converter Operating in MHz Switching Frequency Range

Pourjafar, Saeed; Mohseni, Parham; Husev, Oleksandr; Strezelski, Ryszard; Matiushkin, Oleksandr 2025 IEEE Applied Power Electronics Conference and Exposition (APEC) 2025 / p. 2173-2178 <https://doi.org/10.1109/APEC48143.2025.10977156>

A chameleon algorithm for solving economic dispatch problem in microgrid system

Zahraoui, Younes; Alhamrouni, Ibrahim; Mekhilef, Saad; **Korõtko, Tarmo;** Jusoh, Awang; Sutikno, Tole Bulletin of electrical engineering and informatics 2023 / p. 1982-1992 : ill <https://doi.org/10.11591/eei.v12i4.4700> [Journal metrics at Scopus](#) [Article at Scopus](#)

A chance-constrained decentralized operation of multi-area integrated electricity–natural gas systems with variable wind and solar energy

Qi, Feng; Shahidehpour, Mohammad; Li, Zhiyi; **Wen, Fushuan**; Shao, Changzhen IEEE Transactions on sustainable energy 2020 / p. 2230-2240 <https://doi.org/10.1109/TSTE.2019.2952495>

Characteristic numbers of primary control in the isolated Estonian power system

Medvedeva-Tšernobrivaja, Viktoria; Attikas, Raivo; **Tammoja, Heiki** Oil shale 2011 / 1S, p. 214-222 : ill
<https://www.airitilibrary.com/Article/Detail/17367492-201103-201104080003-201104080003-214-222> https://artiklid.elnet.ee/record=b2286676*est

Characteristics of bus loads of electrical system

Meldorf, Mati; **Pajo, Raine**; **Taal, A.** EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 5 of 7 2004 / p. 5-166 - 5-170 : ill

Clustering-based penalty signal design for flexibility utilization

Rosin, Argo; **Ahmadihangar, Roya**; **Azizi, Elnaz**; Sahoo, Subham; **Vinnikov, Dmitri**; Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860 <https://doi.org/10.1109/ACCESS.2020.3038822> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cognitive approach to data acquisition in electric power system steady-state control

Meldorf, Mati; **Sild, Ants** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 21-30: ill

Comparison of system identification methods applied to analysis of inter-area modes [Online resource]

Tuttelberg, Kaur; **Kilter, Jako**; Uhlen, Kjetil Proceedings of IPST 2017 2017 / art. 17IPST121, p. 1-6 : ill
http://www.ipstconf.org/Proc_IPST2017.php

Comparison of time-varying phasor and dq0 dynamic models for large transmission networks

Belikov, Juri; Levron, Yoash International journal of electrical power & energy systems 2017 / p. 65-74
<https://doi.org/10.1016/j.ijepes.2017.05.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Compliance assessment of a phasor measurement unit to IEC 61000-4-30 class a for power quality measurements in transmission systems

Löper, Mari; **Kilter, Jako**; Stiegler, Robert; Meyer, Jan 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p
<https://doi.org/10.1109/PQ.2019.8818272>

Comprehensive Diagnostic Assessment of Inverter Failures in a Utility-Scale Solar Power Plant : A Case Study Based on Field and Laboratory Validation

Kull, Karl; **Asad, Bilal**; **Naseer, Muhammad Usman**; **Kallaste, Ants**; **Vaimann, Toomas** Sensors 2025 / art. 3717
<https://doi.org/10.3390/s25123717>

Continuous monitoring of power system inertia and transmission loss components using synchronized phasor measurements = Elektrisüsteemi inertsi ja ülekandekadude komponentide pidev jälgimine faasimõõtmiste abil

Tuttelberg, Kaur 2018 <https://digi.lib.ttu.ee/i/210732> https://www.ester.ee/record=b5151804*est

Control of bidirectional grid-forming inverter for nearly zero energy buildings

Roasto, Indrek; **Jalakas, Tanel**; **Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill
<https://doi.org/10.1109/RTUCON.2018.8659848>

Correcting systematic errors in corona losses measured with phasor measurement units

Tuttelberg, Kaur; **Löper, Mari**; **Kilter, Jako** IEEE transactions on power delivery 2019 / p. 2275-2277 : ill
<https://doi.org/10.1109/TPWRD.2019.2917610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost-efficient improvement of power system's reliability within limited funds

Andreesen, Guido; **Leinakse, Madis**; **Kilter, Jako**; **Landsberg, Mart** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830808>

Current harmonics of EV chargers and effects of diversity to charging load current distortions in distribution networks

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo**; **Niitsoo, Jaan** 2013 International Conference on Connected Vehicles and Expo (ICCVE) : proceedings : Las Vegas, Nevada, USA, 2-6 December 2013 2013 / p. 726-731 : ill
<https://ieeexplore.ieee.org/document/6799884>

Current practice on power quality legislation within European transmission systems – results from Horizon 2020 project MIGRATE

Kilter, Jako; **Trummal, Tarmo**; **Löper, Mari**; **Palu, Ivo** 2020 19th International Conference on Harmonics and Quality of Power (ICHQP), 6-7 July 2020, Dubai, UAE 2020 <https://doi.org/10.1109/ICHQP46026.2020.9177907>

Cyber attacks on power system automation and protection and impact analysis

Rajkumar, Vetrivel Subramaniam; **Tealane, Marko**; Stefanov, Alexandru; Presek, Alf; Palensky, Peter Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 / p. 247–254 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248840>

Cyber attacks on protective relays in digital substations and impact analysis

Rajkumar, Vetrivel Subramaniam; **Tealane, Marko**; Stefanov, Alexandru; Palensky, Peter 8th Workshop on Modeling and Simulation of Cyber-Physical Energy Systems(MSCPES), Virtual Workshop, online, from April 21, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/MSCPES49613.2020.9133698>

Cyber-physical microgrids : toward flexible energy districts

Rosin, Argo; **Ahmadihangar, Roya**; Martins, Joao; Sahoo, Subham; Blaabjerg, Frede Cyber Security for Microgrids 2022 / p. 161-178 : ill https://doi.org/10.1049/PBPO196E_ch8

Day-ahead economical planning of multi-vector energy district considering demand response program

Ghasemi-Marzbali, Ali; Shafiei, Mohammad; **Ahmadihangar, Roya** Applied energy 2023 / art. 120351 <https://doi.org/10.1016/j.apenergy.2022.120351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Day-ahead scheduling of electric vehicles and electrical storage systems in smart homes using a novel decision vector and AHP method

Allou, Masoud; Gharehpetian, Gevork B.; **Ahmadihangar, Roya**; **Rosin, Argo**; Anvari-Moghaddam, Amjad Sustainability (Switzerland) 2022 / Art. 11773 <https://doi.org/10.3390/su141811773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Demand-side Flexibility in Smart Grid

Ahmadihangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin 2020 <https://doi.org/10.1007/978-981-15-4627-3>

A detailed testing procedure of numerical differential protection relay for EHV auto transformer

Ehsan, Umer; Jawad, Muhammad; Javed, Umar; Zaidi, Khuram Shabih; Rehman, Ateeq Ur; **Rassölkin, Anton**; Althobaiti, Maha M.; Hamam, Habib; **Shafiq, Muhammad** Energies 2021 / art. 8447 <https://doi.org/10.3390/en14248447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of optimal operating reserves in power systems

Kilk, Kalle; Valdma, Mati Oil shale 2009 / 3S, p. 220-227 https://artiklid.elnet.ee/record=b1483759*est

Development of a Substation Risk-Based Asset Management Decision-Making Process in the Case of Insufficient Information = Alajaama riskipõhise varahalduse otsustusprotsessi arendamine ebapiisava sisendteabe tingimustes

Andresen, Guido 2025 https://www.ester.ee/record=b5754736*est <https://digikogu.taltech.ee/et/Item/49e349b9-c62b-4a9e-af14-5c8408e54028> <https://doi.org/10.23658/taltech.52/2025>

Development of electrical network of Tallinn University of Technology

Soots, Georg 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 / p. 88-92 : ill

Development of the theory and methods of complex optimisation of the control and operational reliability of the interconnections of power systems (IPS) on the interstate level in free market conditions

Krumm, Lembit; Kurrel, Ü.; **Terno, Olaf** International Conference on Operational Research : Simulation and Optimisation in Business and Industry : May 17-20, 2006, Tallinn, Estonia 2006 / p. 178-182

Development of the theory and methods of the complex optimisation of the control and reliability of the interconnections of power systems (IPS) on the interstate level in free market conditions

Krumm, Lembit; Kurrel, Ü.; **Terno, Olaf** 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 31-32

Development of theory and methods of complex optimisation of control and operational reliability of interconnected power systems

Krumm, Lembit; Kurrel, Ü.; **Terno, Olaf** Oil shale 2007 / 2S, p. 377-388 https://kirj.ee/wp-content/plugins/kirj/pub/OS-2S-2007-377-388_20230314000936.pdf

Diplomiprojektide ja -tööde juhendamisele elektrisüsteemide kateedris

Tapupere, Olev; **Raesaar, Peeter** Õppemetoodika küsimusi ; 10 1973 / lk. 137-142 https://www.ester.ee/record=b1346720*est

Doktoritöö : vananevaid elektrisüsteeme ei peaks enam endisel viisil uuendama

Kõik ärikinnisvarast : [ajalehe Äripäev lisa] 2022 / Lk. 24 https://www.ester.ee/record=b5223461*est <https://www.aripeev.ee/lisa/2022/04/07/koik-arikinnisvarast-07042022>

Doktoritöö : vananevat elektrivõrku annab uuendada senisest odavamalt [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Doktoritöö: vananevat elektrivõrku annab uuendada senisest odavamalt"](#)

Dynamic characteristic evaluation of a 600V reverse blocking IGBT device

Korkh, Oleksandr; Blinov, Andrei Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia 2018 / p. 1-5 : ill <https://doi.org/10.1109/AIEEE.2017.8270527>

ECOGRID EU Project – real time price based load control and economic benefits in a wind production based system

Aleixo, Luis; Rosin, Argo; Saele, Hanne; Morch, Andrei Z.; Grande, Ove S.; Palu, Ivo CIRED 2013 : 22nd International Conference and Exhibition on Electricity Distribution : special reports 2013 <https://doi.org/10.1049/cp.2013.1253>
<https://ieeexplore.ieee.org/document/6683856>

Economical dispatch of power units under fuzziness

Valdma, Mati; Keel, Matti; Tammoja, Heiki; Šuvalova, Jelena Oil shale 2007 / p. 249-263 : ill <https://kirj.ee/public/oilshale/oil-2007-2s-6.pdf>

Eesti elektrisüsteemi laiseiresüsteemi arendamine ja analüüs (WAMPAC) : uurimustöö 1.1-4/13/232 / Lep13118 I etapi aruanne [Võrguväljaanne]

Palu, Ivo; Valdma, Mati; Meldorf, Mati; Keel, Matti; Šuvalova, Jelena; Šlenduhhov, Vadim; Kangro, Triin; Vaino, Sander; Sarnet, Tanel; Kilter, Jako; Ülavere, Eero; Reinson, Andrus 2014

Eesti elektrisüsteemi laiseiresüsteemi arendamine ja analüüs (WAMPAC) : uurimustöö 1.1-4/13/232 / Lep13118 II etapi aruanne [Võrguväljaanne]

Palu, Ivo; Meldorf, Mati; Šuvalova, Jelena; Liiv, Innar; Tuttelberg, Kaur; Kangro, Triin; Astapov, Victor; Sarnet, Tanel; Šlenduhhov, Vadim; Kilter, Jako; Ülavere, Eero; Reinson, Andrus 2014

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 I etapi lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Leinakse, Madis; Salumäe, Uku; Sarnet, Tanel; Meldorf, Mati; Kilter, Jako; Reinson, Andrus; Drovtar, Imre 2015
http://elering.ee/public/Infokeskus/Uuringud/Koormuste_karakteristikud.pdf

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Meldorf, Mati; Leinakse, Madis; Sarnet, Tanel; Salumäe, Uku; Kilter, Jako; Krusell, Kaur; Reinson, Andrus; Matjas, Ilja 2017 [Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud](#)

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 II etapi lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Meldorf, Mati; Leinakse, Madis; Sarnet, Tanel; Salumäe, Uku; Kilter, Jako; Krusell, Kaur; Reinson, Andrus; Matjas, Ilja 2016
<https://elering.ee/sites/default/files/attachments/Eesti%20elektris%C3%BCsteemi%20%C3%BClekandev%C3%B5rgu%20koormuste%20staatiliselt%20ja%20d%C3%BCnaamilised%20karakteristikud%202.etapp%202016.pdf>

Eesti elektrivarustuse võtit hoiab Vene energiakompanii : [akadeemik Anto Raukase väidetega]

Raukas, Anto; Mazur, Tanel; Berendson, Risto Eesti Päevaleht 2005 / 15. apr., lk. 4 : ill <https://epl.delfi.ee/artikkel/51008239/eesti-elektrivarustuse-votit-hoiab-vene-energiakompanii>

Eesti elektrivõrkude ajalugu

2020 <https://www.ester.ee/record=b5298769>

Effect of double-slope modulation signals on conducted emissions and efficiency of strongly coupled magnetic resonance WPT systems

Stepins, Deniss; Zakis, Janis; Audze, Janis; Husev, Oleksandr; Shevchenko, Viktor; Pakhaliuk, Bohdan 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2019 / 4 p
<https://doi.org/10.1109/RTUCON48111.2019.8982351>

Ehitiste elektripaigaldised

Risthein, Endel 2010 https://www.ester.ee/record=b2545010*est

Ehitiste elektripaigaldised

Risthein, Endel 2006 https://www.ester.ee/record=b2155995*est

Ehitiste elektripaigaldised

Joller, Jüri; Risthein, Endel 2006 https://www.ester.ee/record=b2175273*est

Ehitiste elektripaigaldised

Risthein, Endel 2003 https://www.ester.ee/record=b1791741*est

Electrical network load monitoring

Meldorf, Mati 2008 http://www.ester.ee/record=b2368469*est

Electrical network load monitoring

Meldorf, Mati 2011 http://www.ester.ee/record=b4773521*est

Electrical network load monitoring on special days

Meldorf, Mati; Treufeldt, Ülo; Kilter, Jako Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2006 / p. 19-23 : ill

Elektrijaamade ja elektrivõrkude ning -süsteemide erialade inseneride ettevalmistamise efektiivsus

Esop, Harri Õppemetoodika küsimusi ; 12 1975 / lk. 45-51 : tab https://www.ester.ee/record=b1346720*est

Elektriraudtee ja selle mõjud elektrisüsteemi talitlusele

Kilter, Jako; Kangro, Triin; Sarnet, Tanel; Palu, Ivo 2015 https://www.ester.ee/record=b4495599*est

Elektrisüsteemi arendamine hetkemeleolude alusel viib kriisini

Rajangu, Väino postimees.ee 2024 [Elektrisüsteemi arendamine hetkemeleolude alusel viib kriisini](https://www.ester.ee/record=b1346720*est)

Elektrisüsteemi arvutamise alused reaajasimulatsioonide raamistikus : harjutused

Leinakse, Madis; Andreesen, Guido; Campos, Nathalia de Moraes Dias 2022 https://haldus.taltech.ee/sites/default/files/2023-02/EE_ins_Elektris%C3%BCsteemi_arvutamise_alused_reaajasimulatsioonide_raamistikus_Harjutused.pdf

Elektrisüsteemi audit ehk kas paber võib päästa elu?

Niitsoo, Jaan Elektriala 2016 / lk. 27 https://artiklid.elnet.ee/record=b2797345*est

Elektrisüsteemi režiimi seire

Meldorf, Mati; Sild, Ants Eesti energeetika probleeme 1988 / lk. 58-70 : ill https://www.ester.ee/record=b1286166*est
<https://digikogu.taltech.ee/et/Item/8c9df0b6-7ddd-4743-a749-6b46cd8b53d4>

Elektrisüsteemi stabiilsus

Meldorf, Mati; Kilter, Jako 2011 http://www.ester.ee/record=b2753320*est

Elektrisüsteemi stabiilsus

Meldorf, Mati 2000 https://www.ester.ee/record=b1378209*est

Elektrisüsteemi talitluse seire

Meldorf, Mati 1995 http://www.ester.ee/record=b1069180*est

Elektrisüsteemide releekaitse ja automaatika õppelaboratoorium

Einaste, P.; Möller, Kalju XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 101 https://www.ester.ee/record=b1322611*est

Elering ja selle kriitikud vaidlevad tuleviku varustuskindluse üle [Võrguväljaanne]

err.ee 2021 <https://www.err.ee/1608119269/elering-ja-selle-kriitikud-vaidlevad-tuleviku-varustuskindluse-ule>

Emerging role of industry 5.0 digital twins in demand response electricity market and applications

Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard; Levron, Yoash IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 6 p <https://doi.org/10.1109/ISGTEUROPE56780.2023.10407322>

Energiaekspert : olen elektrikatkestusteks juba valmis

Mereminskaya, Ekaterina; Saks, Ekaterina Laura laanevirumaaudised.ee 2022 [Energiaekspert: olen elektrikatkestusteks juba valmis](https://www.ester.ee/record=b1322611*est)
[Energiaekspert: olen elektrikatkestusteks juba valmis](https://www.ester.ee/record=b1322611*est)

Energiasalvestid ja -salvestustehnoloogiad

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

Energy scheduling and flexibility quantification in buildings

Ahmadihangar, Roya; Blinov, Andrei; Pefitsis, Dimosthenis Distributed energy systems : design, modeling, and control 2023 / p. 249-259 : ill <https://doi.org/10.1201/9781003229124-16>

Energy scheduling of battery storage systems in micro grids

Armstorfer, Andreas; Biechl, Helmut; Rosin, Argo Scientific Journal of Riga Technical University. Electrical, control and

Enhancing grid-forming converters control in hybrid AC/DC microgrids using bidirectional virtual inertia support

Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Abid, Abderahmane; Zaid, Sherif A.; Alghamdi, T. A. H.; Salama, Hossam S. Processes 2024 / art. 139 <https://doi.org/10.3390/pr12010139> <https://www.mdpi.com/2227-9717/12/1/139/htm> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Erialakirjandus ja selle otsing : tulevasele elektriinsenerile erialal 0302 "Elektrisüsteemid"

1987 https://www.ester.ee/record=b1279288*est

Esitleti ajalooraamatut "Eesti elektrivõrkude ajalugu"

Aro, Rein Elektriala 2020 / lk. 14-15 : fot http://www.ester.ee/record=b1240496*est https://www.ester.ee/record=b5298769*est

Estimation of power system inertia from ambient wide area measurements

Tuttelberg, Kaur; Kilter, Jako; Wilson, Douglas; Uhlen, Kjetil 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 1 p <https://doi.org/10.1109/PESGM40551.2019.8973822>

Estimation of power system inertia from ambient wide area measurements

Tuttelberg, Kaur; Kilter, Jako; Wilson, Douglas; Uhlen, Kjetil IEEE transactions on power systems 2018 / p. 7249-7257 <https://doi.org/10.1109/TPWRS.2018.2843381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EU electricity market design issues and solutions for increased RES penetration

Crasta, Cletus J.; Agabus, Hannes; Palu, Ivo 2020 17th International Conference on the European Energy Market (EEM 2020) 2020 <https://doi.org/10.1109/EEM49802.2020.9221997>

Euroopa elektrisüsteemide uued koostööpõhimõtted

Möller, Kalju Elektriala 2001 / 5, lk. 26-27

Euroopa kobab pimeduses: miks kadus Lõuna-Euroopas ootamatult elekter?

Kivi, Krister postimees.ee 2025 <https://majandus.postimees.ee/8241615/luubi-all-euroopa-kobab-pimeduses-miks-kadus-louna-euroopas-ootamatult-elekter>

Evaluating model performance through a user-centric explainable framework for probabilistic load forecasting models

Robin, Rebecca; Heistrene, Leena; **Belikov, Juri;** Baimel, Dmitry; Levron, Yoash 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T) 2024 / p. 427 - 432 <https://doi.org/10.1109/ICPC2T60072.2024.10474692> [Article at Scopus](#)

Experiences with dynamic PMU compliance testing using standard relay testing equipment [Electronic resource]

Kilter, Jako; Palu, Ivo; Almas, Muhammad Shoaib; Vanfretti, Luigi 2015 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference (ISGT 2015) : 18-20 February 2015, Washington, DC, USA 2015 / [5] p. : ill. [USB] <http://dx.doi.org/10.1109/ISGT.2015.7131833>

Experiences with steady-state PMU compliance testing using standard relay testing equipment

Almas, Muhammad Shoaib; **Kilter, Jako;** Vanfretti, Luigi PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 103-110 : ill

Experimental verification of two-stage power converter with current-fed soft-switching front-end for battery storage applications

Kosenko, Roman; Blinov, Andrei; Korkh, Oleksandr 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1599-1608 : ill <https://ieeexplore.ieee.org/document/8515580>

Exploratory data analysis based short-term electrical load forecasting : a comprehensive analysis

Javed, Umar; Ijaz, Khalid; **Shabbir, Noman; Kütt, Lauri; Husev, Oleksandr** Energies 2021 / art. 5510 <https://doi.org/10.3390/en14175510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fakt teadust päevas: kas elektriijaam lendaks õhku, kui kõik inimesed korraga tuled ära kustutavad?

Buldass, Sten ohtuleht.ee 2025 <https://www.ohtuleht.ee/1125030/fakt-teadust-paevas-kas-elektriijaam-lendaks-ohku-kui-koik-inimesed-korraga-tuled-ara-kustutavad>

Fast path-oriented strategy for power system restoration

Liang, Bomiao; Xu, Yan; **Wen, Fushuan; Palu, Ivo;** Liu, Weijia; Shan, Huiyu 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p <https://doi.org/10.1109/PQ.2019.8818244>

Fault-tolerant control of a grid-connected bipolar DC microgrid with high penetration of intermittent renewable energy

Senanayaka, Jagath; Khang, Huynh Van; **Rassõlkin, Anton; Vaimann, Toomas;** Zakis, Janis; Pomarnacki, Raimondas IECON

Feasibility study of interleaving approach for buck-boost inverter with unfolding circuit

Fesenko, Artem; **Matiushkin, Oleksandr; Husev, Oleksandr**; Khandakji, Kamal; Velihorskyi, Oleksandr 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 415-419 : ill
<https://doi.org/10.1109/UKRCON.2019.8879966>

Future power system out-of-step protection concept utilizing synchronized phasor measurements = Tuleviku elektrisüsteemi faasimõõtmistel põhinev sünkronismikaotuskaitse kontseptsioon

Tealane, Marko 2023 <https://doi.org/10.23658/taltech.9/2023> <https://digikogu.taltech.ee/et/Item/159731eb-e93e-4892-875f-3806cd16e64c>
https://www.ester.ee/record=b5542953*est

A Gramian-based tool for modeling converter-dominated power systems

de Moraes Dias Campos, Nathalia; Sarnet, Tanel; Kilter, Jako IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863396>

Guidelines for power quality monitoring – results from CIGRE/CIREN JWG C4.112

Kilter, Jako; Elphick, Sean; Meyer, Jan; Milanovic, Jovica V. Proceedings of 2014 16th International Conference on Harmonics and Quality of Power (ICHQP) : University POLITEHNICA of Bucharest, Bucharest, Romania, 25-28 May 2014 2014 / p. 703-707 : tab

Harmonic levels of domestic and electrical vehicle loads in residential distribution networks

Niitsoo, Jaan; Kilter, Jako; Palu, Ivo; Taklaja, Paul; Kütt, Lauri Proceedings of IEEE AFRICON 2013 Conference : 9-12 September 2013, Mauritius 2013 / p. 184-188 <https://doi.org/10.1109/AFRCON.2013.6757800> [Conference Proceedings at Scopus](#)
[Article at Scopus](#)

Harmonic voltages and currents in LV industrial power systems, shunt capacitors and additional power losses

Vinnal, Toomas; Kalda, Heljut; Mölder, Heigo 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 47-52 : ill

High voltage circuit breaker charging motor's condition monitoring - importance, possibilities, and challenges

Asad, Bilal; Sardar, Muhammad Usman; Vaimann, Toomas; Kallaste, Ants; Asefi, Sajjad; Kilter, Jako 2024 International Conference on Diagnostics in Electrical Engineering (Diagnostika) 2024 / 7 p <https://doi.org/10.1109/Diagnostika61830.2024.10693906>

Higher harmonic compensation and minimisation in DC controlled reactor for electric power systems

Tellinen, Juhan; Järvi, Jaan EPQU'97 : 4th International Conference Electrical Power Quality and Utilisation, September 23-25, 1997, Cracow, Poland : proceedings 1997 / p. 233-236: ill <https://research.aalto.fi/en/publications/higher-harmonic-compensation-and-minimization-in-dc-controlled-re>

Hoone elektrisüsteemi innovatsioonid ja aruka võrgu arendus

Saikovski, Valeri; Teemets, Raivo Taastuvate energiaallikate uurimine ja kasutamine : neljateistkümnenda konverentsi kogumik = Investigation and Usage of Renewable Energy Sources : fourteenth conference proceedings : [8. nov. 2012, Tartu] 2012 / lk. 88-97 : ill

Hoone elektrisüsteemi parameetrid, mis sobivad uuendusteks (draiverid). Negatiivsed eripärad, millele tuleb tähelepanu pöörata, et vältida uuenduste realiseerimise ebapiisava tasuvuse ja mittesobiva tehnilise kõrvalmõju teket

Saikovski, Valeri; Teemets, Raivo TEUK XVII : taastuvate energiaallikate uurimine ja kasutamine : seitsmeteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : seventeenth conference proceedings : [2015 : Tartu] 2015 / lk. 80-87 : ill

Hoone tehnosüsteemide RYL 2002 : ehitustööde üldised kvaliteedinõuded. II osa

2004 https://www.ester.ee/record=b2047400*est

Hybrid BIST time minimization for core-based systems with STUMPS architecture

Jervan, Gert; Eles, Petru; Peng, Zebo; Ubar, Raimund-Johannes; Jenihhin, Maksim 18th IEEE International Symposium on Defect and Fault Tolerance in VLSI Systems : 3-5 November 2003, Boston, Massachusetts : proceedings 2003 / p. 225-232 : ill
<https://ieeexplore.ieee.org/document/1250116>

Hybrid IGBT-IGCT switch

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr; Zamaruev, Vladimir Przegląd elektrotechniczny = Electrical review 2012 / p. 12-15 : ill https://www.researchgate.net/publication/290550726_Hybrid_IGBT-IGCT_Switch

Identification of mechanisms behind converter-related issues in power systems based on an overview of real-life events

De Rua, Philippe; Roose, Thomas; Sakinci, Özgür Can; **de Moraes Dias Campos, Nathalia**; Beerten, Jef Renewable and sustainable energy reviews 2023 / art. 113431 <https://doi.org/10.1016/j.rser.2023.113431> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Improved fault classification and localization in power transmission networks using vae-generated synthetic data and machine learning algorithms

Khan, Muhammad Amir; **Asad, Bilal; Vaimann, Toomas; Kallaste, Ants**; Pomarnacki, Raimondas; Hyunh, Van Khang Machines 2023 / art. 963 <https://doi.org/10.3390/machines11100963> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvement of short-circuit calculation results reliability for large electric power systems

Khalyasmaa, Alexandra I.; Eroshenko, Stanislav A.; Zinovyev, Kirill A.; **Bolgov, Viktor** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p <https://doi.org/10.1109/PQ.2019.8818262>

Incorporating service type in aging failure model of high voltage circuit breaker

Asefi, Sajjad; Kilter, Jako; Landsberg, Mart 2023 27th International Conference Electronics : proceedings 2023 / 5 p <https://doi.org/10.1109/IEEECONF58372.2023.10177602>

Inductive bifilar coil based wireless charging system for autonomous electric boat

Pakhaliuk, Bohdan; **Husev, Oleksandr; Shevchenko, Viktor**; Kroics, Kaspars; Stepins, Deniss; Strzelecki, Ryszard IEEE 31st International Symposium on Industrial Electronics (ISIE) 2022 / p. 758-761 <https://doi.org/10.1109/ISIE51582.2022.9831731>

Industrial and technological applications of power electronics systems

2021 <https://doi.org/10.3390/books978-3-0365-0823-8>

Influence of system protection to Estonian power system security

Kilter, Jako; Reinson, Andrus; Kraav, Rein PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 23-28 : ill

Influence of variable energy flow to power characteristics

Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 29-32 : ill

Innovatiivsed lahendused hoone elektrisüsteemis: struktuuri modelleerimine, lahenduse realiseerimise majanduslikud ja tehnilised aspektid, lõpliku variandi valiku algoritm

Saikovski, Valeri TEUK XIII : taastuvate energiaallikate uurimine ja kasutamine : kolmeteistkümnenda konverentsi kogumik : [10. november 2011, Tartu] = Investigation and usage of renewable energy sources : thirteenth conference proceedings : [10. November 2011, Tartu] 2011 / lk. 143-156 : ill

Input-parallel output-series connection of isolated quasi-Z-source DC-DC converters

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 277-284 : ill

Insulation aging and framework for the development of aging model based on partial discharge analysis

Choudhary, Maninder 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 79-80 : ill https://www.ester.ee/record=b5504019*est

Integration of Wide Area Monitoring technology and enhancement of power system reliability in Baltic power system

Kilter, Jako; Reinson, Andrus 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 41-46 : map

Kust siis ikkagi tuleb elekter? [Võrguväljaanne]

Kisel, Einari Postimees 2019 "[Kust siis ikkagi tuleb elekter?](#)"

Laboratory setup for studying ultracapacitors in industrial applications [Electronic resource]

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 2034-2037 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4635561>

Large scale electric vehicle integration and its impact on the Estonian power system

Drovtar, Imre; Rosin, Argo; Landsberg, Mart; Kilter, Jako IEEE PowerTech 2013, Grenoble, France, 16-20 June 2013 : proceedings 2013 / [6] p https://www.researchgate.net/publication/261398872_Large_scale_electric_vehicle_integration_and_its_impact_on_the_Estonian_power_system

Load flow modelling in local energy community electric power systems

Korõtko, Tarmo; Drovtar, Imre; Mutule, Anna; Kairisa, Evita; Rosin, Argo 2022 IEEE 7th International Energy Conference

Local energy community power system asset dispatch optimization

Plaum, Freddy 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 91-92 https://www.ester.ee/record=b5570906*est

Low frequency oscillations research in the National Electric Networks of Kazakhstan

Saukhimov, A.A.; Tokhtibakiev, K.K.; **Šuvalova, Jelena** World Scientist and Engineers Congress "Energy of the future : innovative scenarios and methods of their implementation" WSEC-2017 : June 19-20, 2017, Astana : proceedings 2017 / p. 148-152

Lõpetage energeetika lõhkumine

Raukas, Anto Äripäev 2018 / lk. 12 [Lõpetage energeetika lõhkumine](https://www.ester.ee/record=b1627303*est)

Lühised elektrisüsteemides

Treufeldt, Ülo; Risthein, Endel 2002 http://www.ester.ee/record=b1627303*est

Main principles and methods of complex optimisation of operation control of interconnected power systems at the interstate level in free market conditions

Krumm, Lembit; Kurrel, Ülo; Terno, Olaf Oil shale 2007 / p. 389-399 https://www.ester.ee/record=b1072685*est
https://www.ester.ee/record=b5680977*est

Main principles and methods of the complex optimisation of operation control of interconnected power systems (IPS) on the interstate level in free market conditions

Krumm, Lembit; Kurrel, Ü.; Terno, Olaf 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 33-34

Main principles and methods of the complex optimisation of operation control of interconnected power systems (IPS) on the interstate level in free market conditions

Krumm, Lembit; Kurrel, Ü.; Terno, Olaf International Conference on Operational Research : Simulation and Optimisation in Business and Industry : May 17-20, 2006, Tallinn, Estonia 2006 / p. 183-188

Makroökoonoomika meetodite kohandamine hoone elektrisüsteemi uuenduste prognoosimisel. Prognoosimiseprotsessi kirjeldus. Konkreetse elektripaigaldise uuenduse analüüs

Saikovski, Valeri; Teemets, Raivo TEUK XV : taastuvate energiaallikate uurimine ja kasutamine : viieteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : fifteenth conference proceedings, Tartu, Estonia, 2013 2013 / lk. 77-85 : ill

Maximum power point tracking algorithm for step-up/down partial power converters with improved performance around zero partiality

Yadav, Neelesh; Chub, Andrii; Hassanpour, Naser; Blinov, Andrei; Vinnikov, Dmitri 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227506>

Measurements and analyses of supply voltage magnitude and voltage variations in Estonian industrial companies

Vinnal, Toomas; Kalda, Heljut; Mölder, Heigo 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 46-51 : ill

Meie elektrisüsteemi arendamine käib hetkemeeleolude alusel

Rajangu, Väino Elektriala 2024 / lk. 24-25 : fot, portr https://www.ester.ee/record=b1240496*est

Meie elektrisüsteemi eripära

Rajangu, Väino Postimees 2024 / lk. 13 <https://dea.digar.ee/article/postimees/2024/10/03/11.5>

Meie savijalgadel energiamajandus

Hamburg, Arvi Arvamus, kultuur : [ajalehe Postimees lisa] 2021 / Lk. 20 <https://dea.digar.ee/article/ak/2021/12/23/5.8>

Method for line current shape forming in ac-dc power supplies

Janson, Kuno; Järvik, Jaan; Šklovski, Jevgeni 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 27-34 : ill

Middle-frequency isolation transformer design issues for the high-voltage DC/DC converter

Vinnikov, Dmitri; Laugis, Juhan; Galkin, Ilja PESC 08 : 39th IEEE Annual Power Electronics Specialists Conference : Rhodes, Greece, 15-19 June 2008 : book of one page paper summaries 2008 / p. 304 : ill <https://ieeexplore.ieee.org/document/4592226>

Middle-frequency isolation transformer design issues for the high-voltage DC/DC converter

Vinnikov, Dmitri; Laugis, Juhan; Galkin, Ilja Proceedings of 2008 IEEE 39th Annual Power Electronics Specialists Conference :

MIGRATE - research enabling 100% renewable generation in future power systems

Löper, Mari; Kangro, Triin; Tuttelberg, Kaur; Tealane, Marko; Kilter, Jako 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 175-181 : ill http://ise.elnet.ee/record=b2950104~S2*est

Mikroprotsessorite kasutamisest elektrisüsteemide kateedri õppelaboratooriumites

Lelumees, Heino; Tammoja, Heiki Arvutite ja tehniliste vahendite kasutamine õppetöös : TPI 50. aastapäevale pühendatud teaduslik-metoodilise konverentsi, 26.-27. märtsil : ettekannete teesid 1986 / lk. 77-78 https://www.ester.ee/record=b1206593*est

Minimal energy storage required for stability of low inertia distributed sources

Fahima, Aviad; Ofir, Ron; Levron, Yoash; **Belikov, Juri** 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/ENERGYCON.2018.8398775>

Minimisation of higher harmonics in high power saturable reactors for AC power transmission lines

Tellinen, Juhan; Järvik, Jaan Power Quality '98 : [International Conference, June 18-20, 1998] : Hyderabad, India / The Institute of Electrical and Electronics Engineers, Inc 1998 / p. 133-138: ill <https://ieeexplore.ieee.org/document/710367>

Ministeeriumi optimism elektril hinna languse asjus pälvib kriitikat

Ideon, Argo maalet.delfi.ee 2024 [Ministeeriumi optimism elektril hinna languse asjus pälvib kriitikat](https://maaleht.delfi.ee/2024/04/01/ministeeriumi-optimism-elektril-hinna-languse-asjus-palvib-kriitikat)

Min-max optimization of power system operation

Valdma, Mati; Keel, Matti; Liik, Olev; Tammoja, Heiki Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2002 / p. 185-191 : ill

Mis toimub elektriturul?

Rajangu, Väino Maalet 2021 / Lk. 18 <https://dea.digar.ee/article/maaleht/2021/12/16/18.1>

Model order reduction of voltage source converters based on the ac side admittance assessment : from EMT to RMS

Grdenic, Goran; Cifuentes-Garcia, Francisco; **Campos, Nathalia de Moraes Dias**; Villella, Fortunato; Beerten, Jef IEEE transactions on power delivery 2023 / p. 56-67 : ill <https://doi.org/10.1109/TPWRD.2022.3179836>

Model verification for analysis of wind power impact to transient stability in isolated power system using combined relay protection and dynamics modelling approach

Maripuu, Rain; Tsernobrovkin, Oleg; Palu, Ivo; Kilter, Jako PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 169-174 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6256222>

Modeling of demand side management scenarios in apartment buildings

Vill, Kaija; Rosin, Argo; Lehtla, Madis PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 113-118 : ill <https://doi.org/10.1109/PQ.2016.7724099>

Modelling of a carbon capture and storage system for the Latvian electricity sector

Gušča, Julija; Naroznova, Irina; Blumberga, Dagnija; **Volkova, Anna** Selected Topics in Energy, Environment, Sustainable Development and Landscaping : 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '10), 3rd WSEAS International Conference on Landscape Architecture (LA '10) : Politehnica University of Timisoara, Romania, October 21-23, 2010 2010 / p. 415-421 https://www.researchgate.net/publication/267962469_Modelling_of_a_carbon_capture_and_storage_system_for_the_Latvian_electricity_sector

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

Modelling of HVAC cable network for system studies

Kangro, Triin Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 161-164 : ill

Modelling of magnetic and electric circuits

Demenko, Andrzej; **Belahcen, Anouar**; Hameyer, Kay; Pietrowski, Wojciech; Brock, Stefan COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2017 / p. 578-579 <http://dx.doi.org/10.1108/COMPEL-02-2017-0054>

Multiport converter with integrated energy storage for hydrogen buffer interfacing with renewable energy systems [Electronic resource]

Andrijanoviš, Anna; Blinov, Andrei; Husev, Oleksandr; Vinnikov, Dmitri 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 235-240 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6209943>

Multiport current fed push/pull partial power converter for battery integration in DC microgrid

Yadav, Neelesh; Chub, Andrii 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604406>

Multivariable optimal control of wireless power transfer systems with series-parallel compensation

Pakhaliuk, Bohdan; **Husev, Oleksandr**; Shevchenko, Viktor; Zakis, Janis; Stepins, Deniss 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2019 / 5 p <https://doi.org/10.1109/RTUCON48111.2019.8982314>

A new high-power DC/DC converter for residential fuel cell power systems [Electronic resource]

Vinnikov, Dmitri; Jalakas, Tanel; Roasto, Indrek 11th Spanish Portuguese Conference on Electrical Engineering (11CHLIE) : 1-4 of July 2009, Zaragoza, Spain 2009 / [6] p. [CD-ROM]

A new method for estimation of fuel savings by wind energy and its impact on powersystem planning [Electronic resource]

Liik, Olev; Oidram, Rein; Keel, Matti; Landsberg, Mart Proceedings of Power-Gen Europe 2004 : 25-27 May 2004, Barcelona, Spain 2004 / paper 357, [18] p. [CD-ROM]

A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids

Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; **Petlenkov, Eduard** Energies 2020 / art. 5641, 17 p. : ill <https://doi.org/10.3390/en13215641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel gramian-based structure-preserving model order reduction for power systems with high penetration of power converters

de Moraes Dias Campos, Nathalia; Sarnet, Tanel; Kilter, Jako IEEE transactions on power systems 2023 / p. 5381-5391 <https://doi.org/10.1109/TPWRS.2022.3228458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Observable canonical forms of multi-machine power systems using dq0 signals

Levron, Yoash; **Belikov, Juri** 2016 International Conference on the Science of Electrical Engineering (ICSEE) : November 16-18, 2016, Eilat, Israel 2016 / [5] p. : ill <https://doi.org/10.1109/ICSEE.2016.7806197>

On efficiency of optimization in power systems

Keel, Matti; Medvedeva-Tšernobrivaja, Viktoria; Šuvalova, Jelena; Tammoja, Heiki; Valdma, Mati Oil shale 2011 / 1S, p. 253-261 : ill https://artiklid.elnet.ee/record=b2286681*est

Online detection of out-of-step condition using PMU-determined system impedances

Tealane, Marko; Kilter, Jako; Popov, Marjan; Bagleybter, Oleg; Klaar, Danny IEEE Access 2022 / p. 14807-14818 <https://doi.org/10.1109/ACCESS.2022.3149103> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Onninen Energiapäev 2025 - pilguheit energiatulevikku

Elektriala 2025 / lk. 8-9 : fot https://www.ester.ee/record=b1240496*est

Open-source software for modeling and analysis of power networks in the dq0 reference frame

Levron, Yoash; **Belikov, Juri** 2017 IEEE Manchester PowerTech (PowerTech 2017) : Manchester, United Kingdom, 18-22 June 2017 2017 / p. 623-628 : ill <https://doi.org/10.1109/PTC.2017.7980912>

Optimal dispatch in condensing power plant under probabilistic information

Tammoja, Heiki; Valdma, Mati; Keel, Matti Proceedings of First International Symposium on Distributed Generation 2001 / p. 7

Optimal load dispatch in power plant under probabilistic and uncertain information

Tammoja, Heiki; Valdma, Mati; Keel, Matti WSEAS transactions on power systems 2006 / p. 754-759 : ill

Optimal load dispatch in power plant under probabilistic information

Tammoja, Heiki Oil shale 2005 / 2S, p. 119-126 : ill https://artiklid.elnet.ee/record=b2346705*est

Optimal load dispatch in power plant under uncertain information

Tammoja, Heiki; Valdma, Mati; Keel, Matti Proceedings of the 2006 IASME/WSEAS International Conference on Energy & Environmental Systems : Chalkida, Greece, May 8-10, 2006 2006 / p. 213-217 : ill https://www.researchgate.net/publication/298547148_Optimal_load_dispatch_in_power_plant_under_probabilistic_information

Optimal operation of power plants in cogeneration systems

Keel, Matti; Tammoja, Heiki; Valdma, Mati Oil shale 2005 / 2S, p. 109-117 https://artiklid.elnet.ee/record=b2346704*est

Optimal planning of generating units in power system considering uncertainty of information

Keel, Matti; Liik, Olev; Tammoja, Heiki; Valdma, Mati Oil shale 2005 / 2S, p. 97-107 : ill https://artiklid.elnet.ee/record=b2346703*est

Optimization of operating reserves in power systems

Terno, Olaf; Valdma, Mati Oil shale 2005 / 2S, p. 153-160 https://artiklid.elnet.ee/record=b2346711*est

Otseülekanne: Arenguseire Keskus esitleb raportit „Aktiivsed tarbijad tuleviku energiasüsteemis”

rohe.geenius.ee 2024 [FinEst Targa linna tippkeskus Raport: elektritarbimise juhtimine lubaks jätta uue elektrijaama ehitamata](https://artiklid.elnet.ee/record=b2346703*est)

Out-of-step protection based on discrete angle derivatives

Tealane, Marko; Kilter, Jako; Bagleybter, Oleg; Heimisson, Birkir; Popov, Marjan IEEE Access 2022 / p. 78290-78305

<https://doi.org/10.1109/ACCESS.2022.3193390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An overview of measurement standards for power quality

Shabbir, Noman; Kütt, Lauri; Jarkovoi, Marek; Iqbal, Muhammad Naveed; Rassõlkin, Anton; Daniel, Kamran Agronomy research 2021 / p. 944–960 <https://doi.org/10.15159/ar.21.074> [Journal metrics at Scopus](#) [Article at Scopus](#)

P and Q control strategy for single phase Z/qZ source inverter based on d-q frame

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2048-2053 : ill

PF-FEDG : an open-source data generator for frequency disturbance event detection with deep-learning reference classifiers

Sun, Zhenglong; Ram, Machlev; Jiang, Chao; Wang, Qianchao; Perl, Michael; Belikov, Juri; Levron, Yoash Energy reports 2023 / p. 397-413 <https://doi.org/10.1016/j.egy.2022.11.182> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phasor measurement units performance assessment during power system disturbances using real-time digital simulator

Trummal, Tarmo; Kilter, Jako; Löper, Mari; Palu, Ivo 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill <https://doi.org/10.1109/PQ.2019.8818247>

Piksekaitse

Metusala, Tiit; Oidram, Rein; Risthein, Endel 2009 https://www.ester.ee/record=b2466679*est

Piksekaitse. Osa 4, Ehitiste elektri- ja elektroonikasüsteemid = Protection against lightning. Part 4, Electrical and electronic systems within structures (IEC 62305-4:2010, modified)

2012 https://www.ester.ee/record=b2756498*est

Platform independent event correlation tool for network management

Vaarandi, Risto NOMS 2002 : 2002 IEEE/IFIP Network Operations and Management Symposium "Management Solutions for the New Communications World" : proceedings 2002 / p. 907-909 <https://ieeexplore.ieee.org/document/1015640>

Port-Hamiltonian framework in power systems domain : a survey

Tõnso, Maris; Kaparin, Vadim; Belikov, Juri Energy Reports 2023 / p. 2918 - 2930 <https://doi.org/10.1016/j.egy.2023.09.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Possibilities to enhance small-signal stability in the Finnish power system

Meldorf, Mati; Pajo, Raine Scientific Proceedings of Riga Technical University : Energetika un elektrotehnika 2001 / p. 54-59

Potential Assessment of Closed Distribution System Uptake in Estonia

Agabus, Hannes; Korõtko, Tarmo; Kull, Katrin; Rosin, Argo; Palu, Ivo 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227469>

Power converter interfaces for electrochemical energy storage systems - a review

Fernao Pires, Vitor; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Roasto, Indrek; Martins, Joao Energy conversion and management 2014 / p. 453-475 : ill <https://doi.org/10.1016/j.enconman.2014.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power converter solutions for industrial PV applications — a review

Verbytskyi, Ievgen; Lukianov, Mykola; Nassereddine, Kawsar; Pakhaluk, Bohdan; Husev, Oleksandr; Strzelecki, Ryszard Energies 2022 / art. 3295 <https://doi.org/10.3390/en15093295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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. 2003 / p. 588-595 <https://ieeexplore.ieee.org/document/1248752>

Power quality of Estonian industrial distribution network

Ahven, Arne 3rd International Scientific Workshop "Compatibility in Power Electronics" (CPE 2003) : Gdansk-Zielona Gora, Poland, 28-30 May, 2003 2003 / p. 11-13

Power system automation and control system SCADA

Leoste, Margus Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 94-97: ill

Power system stability monitoring - an approach of electrical load modelling

Pajo, Raine 2004 https://www.ester.ee/record=b1953752*est

Predicting frequency disturbances from wide area monitoring of ambient power system dynamics

Tuttelberg, Kaur; Kilter, Jako 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Sarajevo, Bosnia and Herzegovina, October 21-25, 2018 : proceedings 2018 / 6 p <https://doi.org/10.1109/ISGTEurope.2018.8571711>

Preface to "Industrial and Technological Applications of Power Electronics Systems"

Strzelecki, Ryszard; **Demidova, Galina; Vinnikov, Dmitri** Industrial and Technological Applications of Power Electronics Systems 2021 / p. ix <https://doi.org/10.3390/books978-3-0365-0823-8>

Preliminary study on voltage level influence on harmonic current of LED lamps

Jarkovoi, Marek; Kütt, Lauri 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 116-120 : ill http://www.ester.ee/record=b4650094*est

Present state of oil-shale fired power stations and expediency of their reconstruction

Õpik, Ilmar Estonian-Finnish Energy Seminar, Tallinn, Sept. 23-24, 1993 1994 / p. 87-88

Professor : Eesti ei peaks end Vene elektrisüsteemist kergekäeliselt lahti ühendama [Võrguväljaanne]

Põlendik, Kadri; Luts, Janek err.ee 2022 "[Professor: Eesti ei peaks end Vene elektrisüsteemist kergekäeliselt lahti ühendama](https://www.ester.ee/record=b1461388*est)"

Proovimiseks ehk liigagi uuenduslik tarkvara Revit MEP 2011

Puust, Raido Keskkonnatehnika 2010 / 5, lk. 36-38 : ill https://artiklid.elnet.ee/record=b2154952*est

Properties of nonlinear power system models that are symmetrically configured in the narrow sense

Segev, Elior; Ofir, Ron; Levron, Yoash; **Belikov, Yuri** 2023 IEEE Power & Energy Society General Meeting (PESGM) : 16-20 July 2023 (2023) 2023 <https://doi.org/10.1109/PESGM52003.2023.10252373>

Põlevkivist tuumaenergiasse: mida lubab meile uus koalitsioonilepe? : arvamus

Okas, Ivo; Hamburg, Arvi Elektriala 2025 / lk. 17-19 : portr, ill https://www.ester.ee/record=b1240496*est

Rahvusvaheline elektrotehnika sõnastik. Osa 602, Elektri tootmine, ülekandmine ja jaotamine. Elektri tootmine

Meldorf, Mati; Raesaar, Peeter; Tiigimägi, Eeli 2000 https://www.ester.ee/record=b1461356*est

Rahvusvaheline elektrotehnika sõnastik. Osa 603, Elektri tootmine, ülekandmine ja jaotamine. Elektrisüsteemide planeerimine ja juhtimine

Meldorf, Mati; Raesaar, Peeter; Tiigimägi, Eeli 2000 https://www.ester.ee/record=b1461382*est

Rahvusvaheline elektrotehnika sõnastik. Osa 604, Elektri tootmine, ülekandmine ja jaotamine. Käit

Meldorf, Mati; Raesaar, Peeter; Tiigimägi, Eeli 2000 https://www.ester.ee/record=b1461388*est

Rahvusvaheline elektrotehnika sõnastik. Osa 605, Elektri tootmine, ülekandmine ja jaotamine. Alajaamad

Meldorf, Mati; Raesaar, Peeter; Tiigimägi, Eeli 2000 https://www.ester.ee/record=b1461394*est

Rahvusvaheline elektrotehnika sõnastik. Osa 448, Elektrisüsteemi kaitse [Võrguteavik] = International Electrotechnical Vocabulary. Part 448, Power system protection (IEC 60050-448:1995)

2017 http://www.ester.ee/record=b4771190*est

Readiness of small energy markets and electric power grids to global health crises: Lessons from the COVID-19 pandemic

Carmon, David; Navon, Aviad; Machlev, Ram; **Belikov, Yuri**; Levron, Yoash IEEE Access 2020 / art. 9139437, p. 127234-127243 <https://doi.org/10.1109/ACCESS.2020.3008929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reaktiivvõimsuse kompenseerimine Eesti elektrisüsteemis : Lep 17056 lõpparuanne [Võrguteavik]

Palu, Ivo; Leinakse, Madis; Treufeldt, Ülo; Meldorf, Mati; Sarnet, Tanel; Šuvalova, Jelena; Kull, Karl; Salumäe, Uku;AVINGU, Annemai; Trummal, Tarmo 2017

https://elering.ee/sites/default/files/attachments/20180220_reaktiivv%C3%B5imsuse_aruanne_v2_Limited.pdf

https://issuu.com/Elering/docs/20180220_reaktiiv_imsuse_aruanne

Real-time testing of out-of-step protection devices

Tealane, Marko; Kilter, Jako; Pill, Krister 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21

October, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISGTEurope52324.2021.9640178>

Reduction of power system dynamic models using sparse representations

Levron, Yoash; Belikov, Juri IEEE transactions on power systems 2017 / p. 3893-3900 : ill

<https://doi.org/10.1109/TPWRS.2017.2648979>

Reliability of electric power generation in power systems with thermal and wind power plants

Valdma, Mati; Keel, Matti; Tammoja, Heiki; Kilk, Aleksander Oil shale 2007 / p. 197-208 : ill

https://www.researchgate.net/publication/228623749_Reliability_of_electric_power_generation_in_power_systems_with_thermal_and_wind_plants

Research of voltage stability in 10 kV distribution networks during integrating the 2 MW solar power plant

Keshuov, S.A.; Shokolakova, S.; Tokhtibakiev, K.K.; Šuvalova, Jelena 2nd International Conference on Smart Grid and Smart Cities

: (ICSGSC 2018), August 12-14, 2018, Kuala Lumpur, Malaysia 2018 / p. 91-94 : ill <https://doi.org/10.1109/ICSGSC.2018.8541303>

Resilient expansion planning of virtual power plant with an integrated energy system considering reliability criteria of lines and towers

Mishra, Sambeet; Bordin, Chiara; Wu, Qiuwei; Manninen, Henri International journal of energy research 2022 / p. 13726-13751

<https://doi.org/10.1002/er.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review of harmonic detection, suppression, aggregation and estimation techniques

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Raja, Hadi Ashraf; Sardar, Muhammad Usman

Applied sciences 2024 / art. 10966 <https://doi.org/10.3390/app142310966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Revisiting the LQR problem of singular systems

Nosrati, Komeil; Belikov, Juri; Teplyakov, Aleksei; Petlenkov, Eduard IEEE/CAA Journal of Automatica Sinica 2024 / p. 2236-

2252 : ill <https://doi.org/10.1109/JAS.2024.124665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rogowski coil : an efficient current measurement sensor for power system applications

Shafiq, Muhammad 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral

school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 7-8 : ill https://www.ester.ee/record=b5504019*est

Roheenergia juhuslikkusest aitab kasu lõigata nutikas ventilatsioonisüsteem

Rosin, Argo; Maask, Vahur novaator.err.ee 2024 [Roheenergia juhuslikkusest aitab kasu lõigata nutikas ventilatsioonisüsteem](#)

Search for the Pareto point based on the maximin principle of improvement rates of objective functions

Tauts, Ants; Krumm, Lembit Oil shale 2005 / p. 197-208 https://www.ester.ee/record=b1072685*est

https://artiklid.elnet.ee/record=b2346718*est https://www.ester.ee/record=b5680981*est

Search for the Pareto point with max-min approach

Tauts, Ants; Krumm, Lembit; Vaarmann, Otu 61st Meeting of the European Working "Multiple Criteria Decision Aiding" : March

10-11, Luxembourg 2005 / p. 14

Sequential test set compaction in LFSR reseeding

Jutman, Artur; Alekseev, Igor; Raik, Jaan Design and test technology for dependable systems-on-chip 2011 / p. 476-493 : ill

<https://ieeexplore.ieee.org/document/4738292>

Simplified assessing of substation-originated outages in analysis of transmission system reliability

Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan Oil shale 2007 / 2S, p. 308-317 : ill <https://go.gale.com/ps/i.do?id=GALE%7CA199396816&sid=googleScholar&v=2.1&it=r&linkaccess=fulltext&issn=0208189X&p=AONE&sw=w&userGroupName=anon%7Eca2a5e6d&aty=open-web-entry>

Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii Scientific Journal of

Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

Smart Energy and power systems modelling: an IoT and Cyber-Physical Systems perspective, in the context of Energy Informatics

Bordin, Chiara; Hakansson, Anne; **Mishra, Sambeet** Procedia computer science 2020 / p. 2254–2263
<https://doi.org/10.1016/j.procs.2020.09.275> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Smartgrid-based hybrid digital twins framework for demand side recommendation service provision in distributed power systems

Onile, Abiodun Emmanuel; Petlenkov, Eduard; Levron, Yoash; Belikov, Juri Future generation computer systems 2024 / p. 142-156 : ill <https://doi.org/10.1016/j.future.2024.03.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A sophisticated modeling approach for photovoltaic systems in load frequency control

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii;** Bevrani, Hassan International journal of electrical power and energy systems 2022 / art. 107330, 12 p. : ill <https://doi.org/10.1016/j.ijepes.2021.107330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A sparse minimal-order dynamic model of power networks based on DQ0 signals

Belikov, Juri; Levron, Yoash IEEE transactions on power systems 2018 / p. 1059-1067 : ill <https://doi.org/10.1109/TPWRS.2017.2702746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spectrum analysis for condition monitoring and fault diagnosis of ventilation motor : a case study

Shabbir, Noman; Kütt, Lauri; Asad, Bilal; Jawad, Muhammad; **Iqbal, Muhammad Naveed; Daniel, Kamran** Energies 2021 / art. 2001 <https://doi.org/10.3390/en14072001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid 4 Author(s)

Rahmoun, Ahmad; Beg, Nauman; **Rosin, Argo; Biechl, Helmuth** 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 6 p.: ill <https://doi.org/10.1109/ENERGYCON.2018.8398792>

A standard-based software infrastructure to support weather forecasting in distributed energy systems [Electronic resource]

Oliviera-Lima, Jose A.; Delgado-Gomes, Vasco; Martins, Joao; Lima, Celson; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 36-39 : ill [CD-ROM]

Steady-state monitoring in electric power systems

Meldorf, Mati; Sild, Ants Sähkö-tele 1990 / 11, p. 42-46

Steady-state monitoring of power system

Meldorf, Mati 1995 http://www.ester.ee/record=b1069181*est

String diagrammatic electrical circuit theory

Boisseau, Guillaume; **Sobocinski, Pawel Maria** arXiv 2022 / p. 178-191 : ill <https://doi.org/10.4204/EPTCS.372.13>
<https://cgi.cse.unsw.edu.au/~eptcs/paper.cgi?ACT2021.13> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Suppression method of ultralow-frequency oscillation under ambient excitation in hydro-dominant power systems

Guowei, Cai; Xuan, Lei; Zhenglong, Sun; Bo, Gao; Xiaoqiang, Wei; Hao, Yang; **Belikov, Juri;** Levron, Yoash Renewable energy 2024 / art. 119983, 18 p. : ill <https://doi.org/10.1016/j.renene.2024.119983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Survey of loss minimization methods in tram systems [Electronic resource]

Hõimoja, Hardi; Vinnikov, Dmitri; Lehtla, Madis; Rosin, Argo; Zakis, Janis SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 : proceedings 2010 / p. 1356-1361 : [CD-ROM] <https://ieeexplore.ieee.org/document/5544863>

Symmetry in the narrow sense: on the linearity and time-invariance of DQ0 models

Segev, Elior; Ofir, Ron; **Belikov, Juri;** Levron, Yoash IEEE Transactions on Power Systems 2023 / p. 1751-1754
<https://doi.org/10.1109/TPWRS.2022.3229873> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Zachariah Steven Baird: põlevkivielektrijaamad on ohtlikumad kui tuumajaamad [Võrguväljaanne]

Baird, Zachariah Steven postimees.ee 2022 "[Zachariah Steven Baird: põlevkivielektrijaamad on ohtlikumad kui tuumajaamad](#) "

Tallinna Tehnikaülikooli uus energeetikalabor

Aro, Rein Elektriala 2018 / lk. 27 : fot http://www.ester.ee/record=b1240496*est https://artiklid.elnet.ee/record=b2868795*est

TalTech avas energeetikalabori

Ehitaja 2018 / lk. 30 : fot http://www.ester.ee/record=b1072123*est

TalTechi uues energeetikalaboris saab testida elektrisüsteemide töökindlust

Mente et Manu 2018 / lk. 9 : fot http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu>
https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html

Teemat vahetada pole probleem

Tuttelberg, Kaur Mente et Manu 2015 / lk. 12-13 : fot https://artiklid.elnet.ee/record=b2711282*est

Testing different power system out-of-step detection algorithms

Tealane, Marko 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. 199-200 : ill
https://www.ester.ee/record=b5183874*est

The future development trends of the Estonian power system

Rudi, Ülo 18. Zittauer Seminar zur energiewirtschaftlichen Situation in den Ländern Mittel- und Osteuropas : Zittau, 17-19 September 2008 2008 / p. 159-170

The role of cross-border power transmission in a renewable-rich power system - A model analysis for Northwestern Europe

Chen, Yi-Kuang; **Koduvere, Hardi**; Gunkel, Philipp A. Journal of environmental management 2020 / art. 110194, 8 p. : ill
<https://doi.org/10.1016/j.jenvman.2020.110194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The role of the state in forming the energy policy

Hamburg, Arvi 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 7-9

The Use of DigSilent Power Factory Simulator for "Introduction into Power Systems" Lectures

Astapov, Victor; Palu, Ivo; Vaimann, Toomas Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 95–99 : ill <https://doi.org/10.2478/ecce-2018-0011>

Three-level T-type qZ source inverter as grid-following unit for distributed energy resources

Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; **Husev, Oleksandr**; Barrero-Gonzalez, Fermin; Llor, Ana M.; Fernao Pires, Vitor IEEE journal of emerging and selected topics in power electronics 2022 / p. 7772-7785
<https://doi.org/10.1109/JESTPE.2022.3193258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3L-T-type qZSI as grid-forming unit in AC microgrid

Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; **Husev, Oleksandr**; Pires, Victor; Milanes-Montero, Maria Isabel; Gonzalez-Romera, Eva IECON 2022 – 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / code 184962
<https://doi.org/10.1109/IECON49645.2022.9968571> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A tool for model-order reduction of power systems with high penetration of power electronic devices

Campos, Nathalia de Moraes Dias; Kilter, Jako 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 91-92 : ill
https://www.ester.ee/record=b5504019*est

Tootmispraktika : juhendid ja programmid elektrisüsteemide eriala (0302) üliõpilastele

1987 https://www.ester.ee/record=b2624296*est

Эквивалентные параметры на переменном токе системных звеньев постоянного тока

Buatšidze, Sergei 1957 https://www.ester.ee/record=b1393024*est <https://digikogu.taltech.ee/et/item/a0b3c30f-e691-4100-8dcc-c8ecfa49ff3d>

TTÜ, Elering ja nende partnerid Euroopast uurivad tuleviku elektrisüsteeme

Inseneeria 2016 / lk. 48 http://www.ester.ee/record=b2336521*est

TTÜs avati uus arenduslabor

Elektriala 2016 / lk. 34-35 : fot https://artiklid.elnet.ee/record=b2808856*est

A tutorial on dynamics and control of power systems with distributed and renewable energy sources based on the DQ0 transformation

Levron, Yoash; **Belikov, Juri**; Baimel, Dmitry Applied sciences 2018 / art. 1661, 48 p. : ill <https://doi.org/10.3390/app8091661> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Two-Stage Self-Healing Restoration Strategy Considering Operating Performance

Pang, Kaiyuan; Wang, Chongyu; **Wen, Fushuan; Palu, Ivo**; Feng, Changsen; Yang, Zeng; Chen, Minghui; Zhao, Hongwei; Shang, Huiyu Journal of Energy Engineering 2020 [https://doi.org/10.1061/\(ASCE\)EY.1943-7897.0000683](https://doi.org/10.1061/(ASCE)EY.1943-7897.0000683) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Type models of electrical network load

Meldorf, Mati; Kilter, Jako Oil shale 2009 / 3S, p. 243-253 : ill https://artiklid.elnet.ee/record=b1489919*est

Uses and misuses of quasi-static time-varying phasor models in power systems

Belikov, Juri; Levron, Yoash IEEE transactions on power delivery 2018 / p. 3263-3266 <https://doi.org/10.1109/TPWRD.2018.2852950>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using demand side management in energy-intensive industries for providing balancing power – the Estonian case study

Drovtar, Imre; Uuemaa, Priit; Rosin, Argo; Kilter, Jako; Valtin, Juhan 2013 IEEE Power and Energy Society General Meeting (PES), Vancouver, Canada, 21-25 July 2013 : proceedings 2013 / [5] p.: ill <https://ieeexplore.ieee.org/document/6672418>

Using DQ0 signals based on the central angle reference frame to Model the dynamics of large-scale power systems

Zargari, Noa; Ofir, Ron; Levron, Yoash; **Belikov, Juri** Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 1099-1103 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248812>

Utilizing demand response in load modelling for voltage and reactive power control studies

Drovtar, Imre; Leinakse, Madis; Tuttelberg, Kaur; Kilter, Jako IEEE transactions on power systems 2024 / 12 p
<https://doi.org/10.1109/TPWRS.2024.3425157>

Uuendused hoone elektrisüsteemis: mudel, klassifikatsioon ja kasutamise tulemuste prognoosimine : päikesepaneelide kasutamine Nurmevälja logistikakeskuse (80 kW) ja Agal Kinnisvarade tootmishoones (140 kW) - esmane analüüs

Saikovski, Valeri TEUK XVI : taastuvate energiaallikate uurimine ja kasutamine : kuueteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : sixteenth conference proceedings 2014 / lk. 67-79 : ill

Uuenduslik metoodika aitab võidelda elektrisüsteemi riketega

Andreesen, Guido novaator.err.ee 2024 [Uuenduslik metoodika aitab võidelda elektrisüsteemi riketega](#)

Uuendusliku metoodikaga elektrisüsteemi rikete vastu

Andreesen, Guido TööstusEST 2024 / lk. 67 : portr https://www.ester.ee/record=b4481084*est

Uus meetod aitab mõista masinõppe hingeelu [Võrguväljaanne]

postimees.ee 2021 ["Uus meetod aitab mõista masinõppe hingeelu"](#)

Variations of power demand and wind power generation and their influence to the operation of power systems =

Elektritarbimise ja tuulegeneraatorite võimsuse muutused ja nende mõju elektrisüsteemi talitlusele

Kilk, Kalle 2009

Varutoiteallikad aitavad elektrikatkestustest üle

Thalfeldt, Martin; Rosin, Argo Maakodu 2023 / lk. 50-52 : fot https://www.ester.ee/record=b1072539*est

Weather dependency of corona losses on 330 kV overhead transmission lines

Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako International journal of electrical power & energy systems 2024 / art. 109537 <https://doi.org/10.1016/j.ijepes.2023.109537>

Web-based framework for parallel distributed test [Electronic resource]

Ivask, Eero; Raik, Jaan; Ubar, Raimund-Johannes 2008 IEEE Design and Diagnostics of Electronic Circuits and Systems : Bratislava, Slovakia, April 16-18, 2008 2008 / p. 271-274 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4538800>

Vector optimization of thermal power plants

Astapov, Victor 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 213-215 : ill

VEDA - moVE DATA to balance the grid : research directions and recommendations for exploiting data centers flexibility within the power system

Ziaghah Ahwazi, Amin; Bordin, Chiara; **Mishra, Sambeet**; Ha, Phuong H.; Horsch, Alexander ICSCC '21: Proceedings of the 2021 6th International Conference on Systems, Control and Communications 2021 / p. 13-18 <https://doi.org/10.1145/3510362.3510365>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Venemaa elektriavarii ohustab Eestit

Raukas, Anto Eesti Päevaleht 2005 / 31. märts, lk. 3 <https://epl.delfi.ee/artikkel/51007086/anto-raukas-venemaa-elektriavarii-ohustab-eestit>

Verification of a wind farm aggregated generic dynamic model based on a real fault ride-through test in the grid

Tšernobrovkin, Oleg; Perdana, Abram; **Palu, Ivo; Kilter, Jako** Proceedings of 5th Nordic Wind Power Conference 2009 2009 / [6] p <https://research.chalmers.se/en/publication/97817>

Verification of wind parks and their integration into small-interconnected power systems

Kilter, Jako; Landsberg, Mart; Palu, Ivo; Tšernobrovkin, Oleg IEEE PowerTech 2009 Conference : Bucharest, 28.06-02.07.2009 2009 / ? p

Wide-Area applications for enhancement of Estonian power system security

Kilter, Jako; Reinson, Andrus PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 143-148 : ill <https://ieeexplore.ieee.org/abstract/document/6256218>

Wind power integration in Estonia under planning contingencies

Tšernobrovkin, Oleg; Kilter, Jako; Reinson, Andrus; Ülavere, Eero 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 113-118 : ill

Virtual inertia control of microgrids using deep reinforcement learning methods = Mikrovõrkude virtuaalse inertsijuhimine sügava stiimulõppe meetoditega

Skiparev, Vjatšeslav 2023 <https://doi.org/10.23658/taltech.37/2023> <https://digikogu.taltech.ee/et/Item/6d924a63-2390-4324-bf1c-00b24111605e> https://www.ester.ee/record=b5571224*est

Virtual inertia emulation through virtual synchronous generator based superconducting magnetic energy storage in modern power system

Salama, Hossam S.; Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Vokony, Istvan Journal of Energy Storage 2021 / Art. 103466 <https://doi.org/10.1016/j.est.2021.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Voltage dips and swells in low voltage networks of Estonia

Vinnal, Toomas; Jarkovoi, Marek; Kütt, Lauri 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659899>

Voltage main harmonic level influence on harmonic current emission modeling

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek; Parker, Martin 2023 International Conference on Future Energy Solutions (FES) 2023 / p. 1-6 <https://doi.org/10.1109/FES57669.2023.10183302>

Võrguettevõtete struktuur ja arengukavad 1999-2021

Hamburg, Arvi; Metusala, Tiit Elektriala 2022 / lk. 26-28 : ill https://www.ester.ee/record=b1240496*est

Ühed tööle, teised säästma [Võrguväljaanne]

Tarand, Kaarel sirp.ee 2021 "[Ühed tööle, teised säästma](#)"

Анализ схем компенсации реактивной мощности и улучшения качества напряжения в системе электроснабжения машиностроительного завода

Janson, Kuno Исследование электрических машин и электромагнитных устройств специального назначения 1983 / с. 65-74 : илл https://www.ester.ee/record=b1271915*est <https://digikogu.taltech.ee/et/Item/d1676714-579b-4ec9-949f-401ab84c5a70>

Влияние естественной освещенности на нагрузку энергосистемы

Treufeldt, Ülo Вопросы стохастического управления режимами энергетических систем 1982 / с. 123-130 : илл https://www.ester.ee/record=b1303314*est <https://digikogu.taltech.ee/et/Item/617e3ed8-f4b2-44d4-bb85-9e34947be143>

Влияние регулирования реактора статического компенсатора на режимы электрической системы

Kutšumov, Leonid; Tšernovets, Aleksandr; Järvik, Jaan Электричество 1971 / с. 5-9 : илл https://www.ester.ee/record=b2160063*est

Использование, трудоемкость и автоматизация вычислительного процесса методов расчета стационарных режимов электрических систем с учетом статических характеристик нагрузок и генераторов при автоматическом регулировании частоты, напряжения и мощности

Krumm, Lembit 1957 https://www.ester.ee/record=b1393043*est <https://digikogu.taltech.ee/et/Item/ba940787-eba8-4d2c-9c2c-04ca2f5a88a6/>

Исследование возможностей применения ультраконденсаторов в электросистеме автомобиля

Vinnikov, Dmitri; Boiko, Vitali; Laugis, Juhan Силовая электроника и энергоэффективность : СЭЭ'2003 : Алушта, Украина, 2003 2003 / [4] с

Математическое моделирование нагрузок электрических систем

Kirsipuu, Rein; Järvasoo, E.; Tiigimägi, Eeli; Raesaar, Peeter XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 250 https://www.ester.ee/record=b1306141*est

Методика невероятностного анализа динамической устойчивости сложной энергетической системы

Meldorf, Mati Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 36-38 https://www.ester.ee/record=b1344826*est

Методические указания к курсовому проекту по курсу "Электрические системы и сети"

1986 https://www.ester.ee/record=b1232021*est

Методы расчета стационарных режимов электрических систем при первичном и вторичном автоматическом регулировании частоты и о влиянии электрических связей на регулирование частоты : автореферат ... кандидата технических наук

Krumm, Lembit 1955 https://www.ester.ee/record=b2327877*est

Методы решения общих уравнений стационарного режима электрической системы с учетом статических характеристик нагрузок и генераторов при автоматическом регулировании частоты, напряжения и мощности

Krumm, Lembit 1957 https://www.ester.ee/record=b1559774*est <https://digikogu.taltech.ee/et/Item/9adc02d4-05d9-4324-b28f-4756a41663bb/>

Методы решения стохастических задач комплексной оптимизации режимов электроэнергетических систем

Valdma, Mati; Krumm, Lembit; Ohorzin, J.A. Фактор неопределенности при принятии оптимальных решений в больших системах энергетики : Материалы симпозиума : Т. 3 1974 / с. 96-111

О комплексной оптимизации мгновенных режимов электроэнергетических систем по активным и реактивным мощностям в условиях неполной информации

Valdma, Mati Методы управления режимами энергетических систем 1980 / с. 13-25 https://www.ester.ee/record=b1267052*est <https://digikogu.taltech.ee/et/Item/6a1bcd3-48bc-4eb7-82a6-0d1748ab0afc>

Об одной возможности воспроизведения функций двух переменных

Viira, Tarmo Энергетические системы : сборник статей. 3 1969 / с. 23-30 : илл https://www.ester.ee/record=b2183089*est <https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

Об определении оптимальных значений уставок релейной защиты

Möller, Kalju XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 71 https://www.ester.ee/record=b1359832*est

Об оптимизации системы релейной защиты и автоматики электроустановок

Möller, Kalju Энергетические системы : сборник статей. 2 1965 / с. 103-112 : илл https://www.ester.ee/record=b2181997*est <https://digikogu.taltech.ee/et/Item/eecc6a33-a1eb-4988-b989-2f0fd4d9a796>

Основные принципы методической концепции оптимизации процессов в электроэнергетических системах (ЭЭС) совместно в нормальных, аварийных и послеаварийных ситуациях и их применение

Aleksandrov, I.A.; Krumm, Lembit; Kõtsakov, V.P.; Ohorzin, J.A.; Trišetškin, A.M.; Muraško, N.A.; Valdma, Mati; Kurrel, Ülo; Tikk, Tõnis; Zupsman, V. Моделирование электроэнергетических систем : тезисы докладов VII Всесоюзной конференции 1977 / с. 131-132 https://www.ester.ee/record=b1287319*est

Переходные процессы в электрических системах : методическое руководство по расчету токов короткого замыкания

1981 https://www.ester.ee/record=b1310751*est

Применение и развитие методов комплексной оптимизации управления, надежности и соответствующей сети координации на межгосударственных и региональных уровнях объединения энергосистем (ОЭС)

Krumm, Lembit Методические вопросы исследования надежности больших систем энергетики. Вып. 60. Методы и средства исследования и обеспечения надежности систем энергетики 2010 / с. 398-408

Программа расчета установившихся режимов электрических сетей УРТПИ

Seier, Gustav; Raesaar, Peeter Проблемы оптимизации в электроэнергетике : тезисы II республиканской конференции ЭССР : [Таллин 26-27 ноября 1974 года] 1974 / с. 33-34 https://www.ester.ee/record=b1346480*est

Производственная практика : указания и программы для специальности "Электрические системы" (0302)

1984 https://www.ester.ee/record=b1665343*est

Профессор : Эстонии не стоит легкомысленно отключаться от российской электросистемы [Online resource]

Põlendik, Kadri; Luts, Janek rus.err.ee 2022 "[Профессор: Эстонии не стоит легкомысленно отключаться от российской электросистемы](#)"

Развитие методов комплексной оптимизации управления и надежности функционирования объединений энергосистем (оэс) на межгосударственных и региональных уровнях в условиях свободного рынка, а также соответствующей сети координирующих диспетчерских центров

Krumm, Lembit Сборник статей : методические вопросы исследования надежности больших систем энергетики (БСЭ). Математические модели и методы исследования надежности либерализованных систем энергетики. 58 2007 / ? с

Развитие методов комплексной оптимизации управления и надежности функционирования объединений

энергосистем (оэс) на межгосударственных и региональных уровнях в условиях свободного рынка, а также соответствующей сети координирующих диспетчерских центров

Krumm, Lembit; Brinkis, K.; Kreslins, V. Сборник статей : методические вопросы исследования надежности больших систем энергетики (БСЭ). Математические модели и методы исследования надежности либерализованных систем энергетики. 58 2008 / с. 1-8

Расчет стационарного режима электрической системы методом линеаризации

Raesaar, Peeter; Sild, Ants; Tiigimägi, Eeli XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 50 https://www.ester.ee/record=b1322629*est

Релейная защита и автоматика : руководство к лабораторным работам

1989 https://www.ester.ee/record=b1212360*est

Статистический компенсатор реактивной мощности

Rebane, A.; Reiner, Ardi; Järvik, Jaan Исследование электромагнитных и электромашинных устройств управления и контроля специального назначения 1978 / с. 33-55 https://www.ester.ee/record=b1522065*est <https://digikogu.taltech.ee/et/Item/5d93e987-0288-4835-b06f-b5525aea2c1b>

Стохастическое моделирование на ЭЦВМ возникновения отказов при малых нагрузках

Koort, Ants Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 15-16 https://www.ester.ee/record=b1294751*est

Техника управления в энергетических системах : руководство к лабораторным работам

1982 https://www.ester.ee/record=b1264693*est

Уравнения стационарного режима электрической системы с учетом статических характеристик нагрузок и генераторов при автоматическом регулировании частоты, напряжения и мощности

Krumm, Lembit 1957 https://www.ester.ee/record=b1559748*est <https://digikogu.taltech.ee/et/Item/e213019d-361f-4620-a35e-6e2d81538cd9/>

Усовершенствованный метод последовательных интервалов для определения изменения стационарного режима электрической системы при любых возмущениях симметричного характера с учетом статических характеристик нагрузок и генераторов и автоматизации регулирования частоты, напряжения и мощности

Krumm, Lembit 1957 https://www.ester.ee/record=b1393063*est <https://digikogu.taltech.ee/et/Item/e3a992b0-0543-4c52-b850-3cf7a94cbf1c/>

Формирование умений анализа и синтеза электрических систем у студентов

Umborg, Jaak Тезисы IX зональной научно-методической конференции преподавателей общей физики высших учебных заведений Белоруссии, республик Прибалтики и Калининградской области РСФСР (24-26 сент. 1986 г.) 1986 / с. 97-98

Электрические аппараты защиты : методическое пособие для студентов, изучающих курс "Электрические аппараты" (специальность 0601) и курс "Электрические аппараты и средства автоматизации" (специальность 0628)

1981 https://www.ester.ee/record=b1319138*est

Электрические сети и системы : описание расчетного стола УРМЭС-2 и методика выполнения расчетов

1986 https://www.ester.ee/record=b1231990*est

Электрические сети и системы : руководство к лабораторным работам для студентов специальностей 0301, 0302 и 0303

1974 https://www.ester.ee/record=b1313051*est

Электромагнитные переходные процессы в электрических системах : методические указания к курсовой работе по курсу "Переходные процессы в электрических системах"

1988 https://www.ester.ee/record=b1222169*est

Электрооборудование автомобилей : программа, методические указания и контрольная работа для специальности 1609 "Автомобили и автомобильное хозяйство"

Lepik, Märt; Sillat, Rein 1983 https://www.ester.ee/record=b1256760*est