

### About fuzzy optimization of power system

**Valdma, Mati** Tarptautines konferencijas Elektros ir valdymo technologijos - 2006 : pranešimu 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](https://agronomy.emu.ee/vol122/2014_2_26_b5.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**Gupta, Pradeep Kumar; Tuttlberg, 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 topper optimization for scheduling thermal generation with cubic fuel cost function

**Gupta, Pradeep Kumar; Gupta, Anju Kumari; Tuttlberg, 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; Korötko, Tarmo; Rosin, Argo; Mekhilef, Saad; Seyedmahmoudian, Mehdi; Stojcevski, Alex; Alhamrouni, Ibrahim** Sustainability 2024 / art. 4959 <https://doi.org/10.3390/su16124959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Shahid, Arqum; Plaum, Freddy; Korötko, Tarmo; Rosin, Argo** IEEE Access 2024 / p. 109984-110001

<https://doi.org/10.1109/ACCESS.2024.3440067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### 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 topper optimization to solve economic load dispatch problems

**Gupta, Pradeep Kumar; Kumar, Anju; Tuttlberg, 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](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-Mirallas, 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, virtuaaljojaam arutamisel**

Köster, Ain; **Strandberg, Marek** Inseneria 2014 / lk. 40-43 : ill [https://artiklid.elnet.ee/record=b2678063\\*est](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](https://www.ester.ee/record=b1240496*est)

### **Baltimaade ägedaim seade : TTÜ uues laboris saab modelleerida elektrisüsteeme**

Kamps, Mari Inseneria 2017 / lk. 32-33 : fot [https://artiklid.elnet.ee/record=b2810866\\*est](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; Strezelecki, 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](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](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), Kärdla, 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](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, Alfan; Palensky, Peter Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 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](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**

Allilou, 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](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**

**Andreesen, Guido** 2025 [https://www.ester.ee/record=b5754736\\*est](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 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](https://kirj.ee/wp-content/plugins/kirj/pub/OS-2S-2007-377-388_20230314000936.pdf)

### **Diplomiprojektide ja -tööde juhendamiseks elektrisüsteemide kateedris**

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

### **Dokoritöö : 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.ester.ee/record=b5223461*est)

**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; Šlenduuhov, 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; Šlenduuhov, 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](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%20staatilised%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](https://www.ester.ee/record=b2545010*est)

**Ehitiste elektripaigaldised**

**Risthein, Endel** 2006 [https://www.ester.ee/record=b2155995\\*est](https://www.ester.ee/record=b2155995*est)

**Ehitiste elektripaigaldised**

**Joller, Jüri; Risthein, Endel** 2006 [https://www.ester.ee/record=b2175273\\*est](https://www.ester.ee/record=b2175273*est)

## Ehitiste elektripaigaldised

Risthein, Endel 2003 [https://www.ester.ee/record=b1791741\\*est](https://www.ester.ee/record=b1791741*est)

## Electrical network load monitoring

Meldorf, Mati 2008 [http://www.ester.ee/record=b2368469\\*est](http://www.ester.ee/record=b2368469*est)

## Electrical network load monitoring

Meldorf, Mati 2011 [http://www.ester.ee/record=b4773521\\*est](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](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](https://www.ester.ee/record=b4495599*est)

## Elektrisüsteemi arendamine hetkemeleolude alusel viib kriisini

Rajangu, Väino postimees.ee 2024 [Elektrisüsteemi arendamine hetkemeleolude alusel viib kriisini](#)

## Elektrisüsteemi arvutamise alused reaalajasimulatsioonide 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\\_reaalajasimulatsioonide\\_raamistikus\\_Harjutused.pdf](https://haldus.taltech.ee/sites/default/files/2023-02/EE_ins_Elektris%C3%BCsteemi_arvutamise_alused_reaalajasimulatsioonide_raamistikus_Harjutused.pdf)

## Elektrisüsteemi audit ehk kas paber võib päästa elu?

Niitsoo, Jaan Elektriala 2016 / lk. 27 [https://artiklid.elnet.ee/record=b2797345\\*est](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://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](http://www.ester.ee/record=b2753320*est)

## Elektrisüsteemi stabiilsus

Meldorf, Mati 2000 [https://www.ester.ee/record=b1378209\\*est](https://www.ester.ee/record=b1378209*est)

## Elektrisüsteemi talitluse seire

Meldorf, Mati 1995 [http://www.ester.ee/record=b1069180\\*est](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](https://www.ester.ee/record=b1322611*est)

## Elering ja selle kriitikut vaidlevad tuleviku varustuskindluse üle [Võrguväljaanne]

err.ee 2021 <https://www.err.ee/1608119269/elering-ja-selle-kriitikut-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](#)  
[Energiaekspert: olen elektrikatkestusteks juba valmis](#)

## Energiasalvestid ja -salvestustehnoloogiad

Rosin, Argo; Link, Siim; Hõimoja, Hardi; Drovitar, Imre 2015 [http://www.ester.ee/record=b4484414\\*est](http://www.ester.ee/record=b4484414*est)

## Energy management in residential DC microgrids - droop control-based approach

Hasan, Sayeed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 23 ; poster 14 [https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts\\_pub3.pdf](https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf)

### 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 communication engineering 2017 / p. 27-33 : ill <https://doi.org/10.1515/ecce-2017-0004>

### 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](https://www.ester.ee/record=b1279288*est)

### Esitleti ajalooramatut "Eesti elektrivõrkude ajalugu"

Aro, Rein Elektriala 2020 / lk. 14-15 : fot [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est) [https://www.ester.ee/record=b5298769\\*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 elektri jaam lendaks õhku, kui kõik inimesed korraga tuled ära kustutavad?

Buldass, Sten ohtuleht.ee 2025 <https://www.ohtuleht.ee/1125030/fakt-teadust-paevas-kas-elektrijaam-lendaks-ohku-kui-koik-inimesed-korrage-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 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6  
<https://doi.org/10.1109/IECON49645.2022.9968572> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**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](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/AFRICON.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 mitesobiva 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](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](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](#)

**Ilmus eestikeelne raamat energiasalvestistest**  
Ehitaja 2015 / lk. 34 : ill

**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), Kärda, 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](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, Poznań, 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 :

### **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 (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830203>

### **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](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](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=b1072685*est)  
[https://www.ester.ee/record=b5680977\\*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

### **Makroökonomika 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](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**; **Järvi, 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**

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](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](#)

**Onnineni Energiapäev 2025 - pilguheit energiatulevikku**

Elektriala 2025 / lk. 8-9 : fot [https://www.ester.ee/record=b1240496\\*est](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 / 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](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 / p. 213-217 : ill

### **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](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](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](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://www.finet.ee/targa-linna-tippkeskus-raport-elektritarbimise-juhtimine-lubaks-jatta-uu-elektrijaama-ehitamata)

### **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.egyr.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), Kärdla, 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](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](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.egyr.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; Pakhaliuk, 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](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](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](#)"

#### **Proovimiseks ehk liigagi uuenduslik tarkvara Revit MEP 2011**

**Puust, Raido** Keskkonnatehnika 2010 / 5, lk. 36-38 : ill [https://artiklid.elnet.ee/record=b2154952\\*est](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](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](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](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](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](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](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, Juri**; 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://elering.ee/sites/default/files/attachments/20180220_reaktiivv%C3%B5imsuse_aruanne_v2_Limited.pdf)  
[https://issuu.com/Elering/docs/20180220\\_reaktiivv\\_imsuse\\_aruanne](https://issuu.com/Elering/docs/20180220_reaktiivv_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](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, Qiwei; **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; Tepljakov, 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](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://www.ester.ee/record=b1072685*est)  
[https://artiklid.elnet.ee/record=b2346718\\*est](https://artiklid.elnet.ee/record=b2346718*est) [https://www.ester.ee/record=b5680981\\*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; Aleksejev, 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

**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](http://www.ester.ee/record=b1069181*est)

**String diagrammatic electrical circuit theory**

Boisseau, Guillaume; **Sobocinski, Pawel Maria** arXiv.org 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](http://www.ester.ee/record=b1240496*est) [https://artiklid.elnet.ee/record=b2868795\\*est](https://artiklid.elnet.ee/record=b2868795*est)

## **TalTech avas energeetikalabori**

Ehitaja 2018 / lk. 30 : fot [http://www.ester.ee/record=b1072123\\*est](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://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](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](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](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; Milanés-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](https://www.ester.ee/record=b5504019*est)

## **Tootmispraktika : juhendid ja programmid elektrisüsteemide eriala (0302) üliõpilastele**

1987 [https://www.ester.ee/record=b2624296\\*est](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://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](http://www.ester.ee/record=b2336521*est)

## **TTÜs avati uus arenduslabor**

Elektriala 2016 / lk. 34-35 : fot [https://artiklid.elnet.ee/record=b2808856\\*est](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](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 Nurmepõldi 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](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](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.jepes.2023.109537> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### 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](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](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 : ил [https://www.ester.ee/record=b1271915\\*est](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://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](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://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](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](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](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](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://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://www.ester.ee/record=b1267052*est) <https://digikogu.taltech.ee/et/Item/6a1bcdd3-48bc-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://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](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://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](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](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](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](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](https://www.ester.ee/record=b1322629*est)

**Релейная защита и автоматика : руководство к лабораторным работам**

1989 [https://www.ester.ee/record=b1212360\\*est](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://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](https://www.ester.ee/record=b1294751*est)

**Техника управления в энергетических системах : руководство к лабораторным работам**

1982 [https://www.ester.ee/record=b1264693\\*est](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://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://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](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](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](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](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](https://www.ester.ee/record=b1256760*est)