

**Accuracy analysis of selected time series and machine learning methods for smart cities based on Estonian electricity consumption forecast**

**Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Korõtko, Tarmo;** Biechl, Helmuth 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 425-428 : ill  
<https://doi.org/10.1109/CPE-POWERENG48600.2020.9161690>

**Active front-end DC grid-forming converter design with power balancing capability**

**Verbytskyi, Ievgen; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p <https://doi.org/10.1109/ICDCM63994.2025.11144688>

**Active power electronic transformer based on modular building blocks**

**Roasto, Indrek;** Romero-Cadaval, Enrique; Martins, Joao Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5922-5927 : ill  
<https://doi.org/10.1109/IECON.2013.6700106> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Advanced methodology for estimation of value of lost load (VOLL) using equipment specific health indices**

**Manninen, Henri; Kilter, Jako;** Landsberg, Mart 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.2019.8818245>

**Air-core sensors operation modes for partial discharge detection and on-line diagnostics in medium voltage networks**

**Kütt, Lauri;** Shafiq, Muhammad; **Mölder, Heigo; Järvik, Jaan;** Lehtonen, Matti Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 5-12 : ill

**Alalisvoolu tagasitulek - unistus või reaalsus?**

**Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei; Chub, Andrii; Carvalho da Silva, Edivan Laercio** Elektriala 2023 / lk. 22-25 : ill, portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

**Algorithm for management of energy in the microgrid DC bus**

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

**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

**An SVM scheme for three-level quasi-switched boost T-type inverter with Enhanced voltage gain and capacitor voltage balance**

Tran, Vinh-Thanh; Nguyen, Minh-Khai; Do, Duc-Tri; **Vinnikov, Dmitri** IEEE transactions on power electronics 2021 / p. 11499-11508  
<https://doi.org/10.1109/TPEL.2021.3071011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis and comparison of high-frequency link converter topologies**

**Korkh, Oleksandr** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 156-161 : ill  
[http://ise.elnet.ee/record=b2950098~S2\\*est](http://ise.elnet.ee/record=b2950098~S2*est)

**Analysis and development of protection and control functions for Li-Ion based prosumers provided by low voltage part of distribution substation [Electronic resource]**

**Korõtko, Tarmo; Mägi, Marek; Peterson, Kristjan; Teemets, Raivo; Pettai, Elmo** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 19-24 : ill [CD-ROM]

**Analysis of harmonic current stability and summation of LED lamps**

**Jarkovoi, Marek; Iqbal, Muhammad Naveed; Kütt, Lauri** 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.2019.8818237>

**Analysis of off-grid power supply for sparsely populated areas**

**Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor; Kallaste, Ants** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 175-179 : ill

**Analysis of proposed microgrid electric energy management methods**

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

**Analysis of the traction system impact on voltage unbalance distribution in public electric networks**

**Sarnet, Tanel; Kilter, Jako** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 238-241 : ill

**Analysis on faulty phase grounding in medium-voltage networks with isolated neutral**

**Kütt, Lauri; Järvik, Jaan** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 281-284 : ill

**Analyzing the dynamics and stability of DQ0 systems based on a Port-Hamiltonian approach**

Levron, Yoash; **Kaparin, Vadim; Belikov, Juri** 2019 27th Mediterranean Conference on Control and Automation (MED) 2019 / p. 410-415 : ill <https://doi.org/10.1109/MED.2019.8798495>

**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 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](#)

**Artificial Hummingbird Algorithm For Optimal Reconfiguration Of Electrical Distribution networks**

**Zahraoui, Younes**; Bouhanik, Anes; **Korötko, Tarmo; Rosin, Argo**; Mekhilef, Saad 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) 2024 / p. 225-229 <https://doi.org/10.1109/MELECON56669.2024.10608525>

**Artificial Intelligence in the hierarchical control of ac, dc and hybrid ac/dc microgrids : A review**

Gutiérrez-Escalona, J.; Roncero-Clemente, C.; **Husev, Oleksandr; Matiushkin, Oleksandr**; Blaabjerg, Frede IEEE Access 2024 / p. 157227-157246 <https://doi.org/10.1109/ACCESS.2024.3486382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of transmission network voltage unbalance in connection of high-speed electrical railway connection**

**Kilter, Jako; Sarnet, Tanel; Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 329-334 : ill

**Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2011 [https://www.ester.ee/record=b2743062\\*est](https://www.ester.ee/record=b2743062*est)

**Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2023 [https://www.ester.ee/record=b5548013\\*est](https://www.ester.ee/record=b5548013*est)

**Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2025 [https://www.ester.ee/record=b5736506\\*est](https://www.ester.ee/record=b5736506*est)

**Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2025 [https://www.ester.ee/record=b5736507\\*est](https://www.ester.ee/record=b5736507*est)

**Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks [Võrguteavik]**

2015 [http://www.ester.ee/record=b4512339\\*est](http://www.ester.ee/record=b4512339*est)

**Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019 [https://www.ester.ee/record=b5273602\\*est](https://www.ester.ee/record=b5273602*est)

**Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019 [https://www.ester.ee/record=b5273643\\*est](https://www.ester.ee/record=b5273643*est)

**Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019

**Avati Tallinna Tehnikaülikooli elektrivõrgu arenduslabor**

Elektrala 2017 / lk. 24 [https://artiklid.elnet.ee/record=b2816546\\*est](https://artiklid.elnet.ee/record=b2816546*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)

**Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Jarkovoi, Marek; Asad, Bilal; Shabbir, Noman** Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill <https://doi.org/10.3176/proc.2021.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cable diagnostics methods for determining degradation caused by renewable energy production**

**Kiitam, Ivar; Taklaja, Paul; Niitsoo, Jaan;** Hyvonen, Petri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 220-224 : ill

**Case study : utilities and asset management - time for a change**

**Kangilaski, Taivo** 5th IEEE International Conference on Industrial Informatics : July 23-26, 2007, Vienna, Austria : conference proceedings. Volume 1 2007 / p. 579-584 <https://ieeexplore.ieee.org/document/4384822>

**CENELECi standardpinged = CENELEC standard voltages (IEC 60038:2009, modified)**  
2012

**Challenges of smart grids implementation**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo;** Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 1-15  
[https://doi.org/10.1007/978-981-15-4627-3\\_1](https://doi.org/10.1007/978-981-15-4627-3_1) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Comparison of machine learning based methods for residential load forecasting**

**Shabbir, Noman; Ahmadihangar, Roya; Kütt, Lauri; Rosin, Argo** 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 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818267>

**Comparison of renewable electricity generation options with household electrical load patterns**

**Auväärt, Aivar; Rosin, Argo; Rosin, Kai; Drovta, Imre; Lehtla, Madis** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 1555-1560 : ill  
<https://ieeexplore.ieee.org/document/6699364> <https://doi.org/10.1109/IECON.2013.6699364> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Comparison of voltage balancers for DAB converters in bipolar residential DC microgrids**

**Carvalho, Edivan Laercio;** Mandrioli, Riccardo; Mastromauro, Rosa Anna; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** 2025 IECON – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / 6 p  
<http://doi.org/10.1109/IECON58223.2025.11221951>

**Components selection of local power supply system for sparsely populated areas**

**Kallaste, Ants; Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 181-186 : ill

**Comprehensive comparison of grid-connected flyback-based microinverter with primary and secondary side decoupling approach**

**Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Pourjafar, Saeed;** Kurdkandi, Naser Vosoughi; **Vinnikov, Dmitri** IEEE transactions on industry applications 2024 / p. 9080-9089 <https://doi.org/10.1109/TIA.2024.3452069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Concept of wireless low-voltage DC socket for the residential house application**

**Shevchenko, Viktor; Husev, Oleksandr; Pakhaliuk, Bohdan; Vinnikov, Dmitri;** Strzelecki, Ryszard IEEE Access 2024 / p. 143226-143236 <https://doi.org/10.1109/ACCESS.2024.3471691> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters**

**Kütt, Lauri; Daniel, Kamran; Sharma, Hetal; Parker, Martin; Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144729>

**Configurable solid state protection devices for residential DC microgrids**

**Jalakas, Tanel; Viiding, Siim-Erik** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p  
<https://doi.org/10.1109/ICDCM63994.2025.11144706>

**Consumer electricity information exchange in free market environment**

**Klesment, Kristo** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 117-119 : ill

**Contribution of nano- and microgrids to topological power plants regarding voltage and frequency control = Nano- ja mikrovõrkude mõju topoloogilistele elektriiaamadele pinge ja sageduse juhtimise kontekstis**

**Helguero Cruz, Jorge Luis** 2023 <https://doi.org/10.23658/taltech.60/2023> <https://digikogu.taltech.ee/et/item/ccf279f0-5c4e-4784-a6d7-a8c310ac489b> [https://www.ester.ee/record=b5641245\\*est](https://www.ester.ee/record=b5641245*est)

**A coupled inductor-based SSCB with reduced components for DC microgrid protection**

**Pithanisetty, Prasanth; Dsa, Daniel; Banavath, Satish Naik; Carvalho, Edivan Laercio; De Carne, Giovanni; Vinnikov, Dmitri** IEEE transactions on power electronics 2025 / p. 11428-11441 <https://doi.org/10.1109/TPEL.2025.3551740> [Article at Scopus](#)

**Current control strategy of a grid connected three-level neutral-point-clamped qZS inverter**

**Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 97-101 : ill

**Current practice and future challenges for power quality monitoring – CIGRE WG C4.112 perspective**

**Kilter, Jako** 2012 IEEE 15th International Conference on Harmonics and Quality of Power : proceedings of ICHQP2012 : Kowloon Shangri-La Hotel, Hong Kong, 17-20 June, 2012 2012 / p. 390-397 : ill

**DC droop control strategies and tuning principles**

**Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri; Mackay, Laurens; Jalakas, Tanel** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 <https://doi.org/10.1109/RTUCON60080.2023.10412947>

**Dc leakage current in isolated grid-connected dc nanogrid - origins and elimination methods**

**Azizi, Mohammadreza; Husev, Oleksandr; Veligorskyi, Oleksandr; Turzvnski, Marek; Strzelecki, Ryszard** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604426>

**DC-ready flyback-based micro-converter**

**Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604344>

**Dead-beat-based model predictive current control for the dual-purpose dc-dc/ac PWM modular power converter**

**Roncero-Clemente, Carlos; Escalona, Javier-Gutierrez; Pires, V. Fernao; Matiushkin, Oleksandr; Milanés-Montero, Maria Isabel; Romero-Cadaval, Enrique** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604328>

**Death spiral of the legacy grid : a game-theoretic approach for studying grid defection**

**Navon, Aviad; Belikov, Juri; Ofir, Ron; Parag, Yael; Orda, Ariel; Levron, Yoash** iScience 2023 / art. 106415, 17 p. : ill <https://doi.org/10.1016/j.isci.2023.106415> [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>

**Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]**

**Rahimpour, Saeed** 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. 63-64 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Design of three-phase three-level CIC T-source inverter with maximum boost control**

**Shults, Tatiana; Husev, Oleksandr; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard** IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 004447-004452 : ill <http://dx.doi.org/10.1109/IECON.2015.7392792>

**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 experimental microgrid in Tallinn University of Technology**

**Peterson, Kristjan** 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 101-102 : ill

**Digitaalsete elektrivõrkude lävel : [noorteadlaste konkursi Teadus kolme minutiga ettekanne]**

**Uuemaa, Madis** Teadus kolme minutiga : 2017-2019 2019 / lk. 144-147 : portr., ill [https://www.ester.ee/record=b5245642\\*est](https://www.ester.ee/record=b5245642*est)

**Distributed energy laboratory concept focused on power electronics units**



Poliakov, Nikolai; **Demidova, Galina; Zolov, Pavel** International Conference on Electromechanical and Power Systems (SIELMEN) 2021 / p. 387-392 <https://doi.org/10.1109/SIELMEN53755.2021.9600330>

### **Distributed generation - the new way for electrical networks**

**Leoste, Margus** Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 51-53 : ill

### **Doktoritöö : vananevat elektrivõrku annab uuendada senisest odavamalt [Võrguväljaanne]**

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

### **Dual-purpose dc-dc/ac PWM modular power converter as dual-output hybrid converter**

Roncero-Clemente, Carlos; Gutierrez-Escalona, Javier; **Matiushkin, Oleksandr**; Husev, Oleksandr; Romero-Cadaval, Enrique; Fernao Pires, V. Renewable energy and power quality journal 2025 / p. 183-187 <https://doi.org/10.52152/4563>

### **Dual-purpose dc-dc/ac PWM modular power converter as grid-forming unit in a droop-controlled ac nanogrid**

Roncero-Clemente, Carlos; Escalona, Javier-Gutiérrez; **Matiushkin, Oleksandr**; Pires, V. Fernão; Milanés-Montero, María Isabel; **Romero-Cadaval, Enrique** IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / 6 p <https://doi.org/10.1109/IECON55916.2024.10906022> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Dynamic modeling and stability analysis of power networks using DQ0 transformations with a unified reference frame**

**Belikov, Juri**; Levron, Yoash Proceedings of the Estonian Academy of Sciences 2018 / p. 368-377 : ill  
[http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_4/proc-2018-4-368-377.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-368-377.pdf) <https://doi.org/10.3176/proc.2018.67.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey**

Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill  
<https://doi.org/10.1109/ACCESS.2017.2758523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **EcoGrid EU Bornholmi saarel - targa võrgu prototüüp**

**Palu, Ivo; Tuttelberg, Kaur** Keskkonnatehnika 2012 / lk. 22-23 [https://artiklid.elnet.ee/record=b2475308\\*est](https://artiklid.elnet.ee/record=b2475308*est)

### **Eesti elektrifitseerimise esimesed arengukavad 1.**

**Metusala, Tiit** Elektriala 2022 / lk. 28-29 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Eesti elektrifitseerimise esimesed arengukavad 2.**

**Metusala, Tiit** Elektriala 2022 / lk. 28-29 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Eesti elektrivõrkude ajalugu**

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

### **Eesti Energia 85! : kuidas "Elektrikeskusest" sai "Eesti Energia"**

Hein, Kalju; **Metusala, Tiit** Elektriala 2024 / lk. 22-25 : fot., portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Eesti Energia Kuukiri : EE kuukiri**

1998 [https://www.ester.ee/record=b1072035\\*est](https://www.ester.ee/record=b1072035*est)

### **Eesti Energia käiduhaldussüsteem**

**Kangilaski, Taivo** 2004 [https://www.ester.ee/record=b1953730\\*est](https://www.ester.ee/record=b1953730*est)

### **Eesti idufirma paneb elektrivõrku kasutama kuni 30 protsenti tõhusamalt**

postimees.ee 2025 <https://tehnika.postimees.ee/8236735/eesti-idufirma-paneb-elektivorku-kasutama-kuni-30-protsenti-tohusamalt>

### **Eesti põhivõrgu arenguväljavaateid**

**Pajo, Raine** Elektriala 2003 / 3, lk. 10-11

### **Eesti teadlased pakuvad, kuidas rohepöördega tekkivaid elektri kvaliteedikõikumisi lahendada [Võrguväljaanne]**

postimees.ee 2022 ["Eesti teadlased pakuvad, kuidas rohepöördega tekkivaid elektri kvaliteedikõikumisi lahendada"](#)

### **Eesti tööstus on tarka võrku investeerimisel õigel teel, kuid napib insenere : ABB podcast**

geenius.ee 2024 [Eesti tööstus on tarka võrku investeerimisel õigel teel, kuid napib insenere : ABB podcast](#)

### **Effect of electrode shape on medium voltage covered conductor insulation durability under electric stress**

**Kiitam, Ivar; Taklaja, Paul; Tuttelberg, Kaur** 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.2018.8659862>

### **Efficiency improvement of step-up series resonant DC-DC converter in buck operating mode**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/RTUCON51174.2020.9316574>

### **Eksperdid kahtlevad uue Eesti-Läti elektriühenduse vajalikkuses**

Voltri, Johannes *err.ee* 2025 <https://www.err.ee/1609631458/eksperdid-kahtlevad-uue-eesti-lati-elektrihenduse-vajalikkuses>

### **Electrical and mechanical properties of service-aged medium voltage porcelain support insulators**

**Kiitam, Ivar; Saarna, Mart; Taklaja, Paul; Tealane, Marko; Palu, Ivo** 2020 6th IEEE International Energy Conference (ENERGYCon) 2020 / p. 702-706 <https://doi.org/10.1109/ENERGYCon48941.2020.9236596>

### **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

### **Elektri varustuskindlusest**

**Konist, Alar** Postimees 2021 / Lk. 15 <https://dea.digar.ee/article/postimees/2021/02/22/14.6>

### **Elektri varustuskindlusest**

**Konist, Alar;** Aro, Rein *Elektriala* 2021 / lk. 6-9 : portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Elektri võrgutasu jääb kerkima ka järgmistel aastatel**

Linnart, Mart *err.ee* 2024 [Elektri võrgutasu jääb kerkima ka järgmistel aastatel](https://www.err.ee/1609631458/elektri-vorgutasu-jaab-kerkima-ka-jargmistel-aastatel)

### **Elektri võrgutasude hinnakiri ei lähtu üldisest majanduspoliitikast**

**Rajangu, Väino** *Elektriala* 2020 / lk. 22-23 : portr [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est)

### **Elektri võrguteenuste uutest hinnakirjadest**

**Rajangu, Väino** *Elektriala* 2022 / lk. 24-26 : tab [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **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)

### **Elektrilevi investeeringutest ja võrgu katkestustest**

**Rajangu, Väino** *Elektriala* 2015 / lk. 28 [https://artiklid.elnet.ee/record=b2738903\\*est](https://artiklid.elnet.ee/record=b2738903*est)

### **Elektrilevi võrgulaboris arendatakse Eesti suurimat robotit**

**Rammus, Kristin** *Mente et Manu* 2017 / lk. 35 [https://www.ttu.ee/public/m/mente-et-manu/MM\\_02\\_2017/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html)  
[https://artiklid.elnet.ee/record=b2816036\\*est](https://artiklid.elnet.ee/record=b2816036*est)

### **Elektritarkvõrgud ja virtuaalsed elektrijaamad**

**Rosin, Argo; Korõtko, Tarmo** TööstusEST 2018 / lk. 32-34 : ill [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est)  
<https://toostusest.ee/uudis/2018/09/04/virtuaalsed-elektrijaamad/> [https://artiklid.elnet.ee/record=b2865323\\*est](https://artiklid.elnet.ee/record=b2865323*est)

### **Elektrivarustuse tulevikuvisionid**

**Lehtla, Tõnu; Vinnal, Toomas** 2015 [http://www.ester.ee/record=b4511325\\*est](http://www.ester.ee/record=b4511325*est)

### **Elektrivarustuse tulevikuvisionid : [kõrgkooliõpik]**

**Lehtla, Tõnu; Vinnal, Toomas** 2016 [http://www.ester.ee/record=b4571559\\*est](http://www.ester.ee/record=b4571559*est)

### **Elektrivõrgu klientide elektripaigaldiste ühe ja kahepoolse toite mõju analüüs varustuskindlusele : lepingu nr LEP15094 aruanne [Võrguväljaanne]**

**Valtin, Juhan; Tammoja, Heiki; Raesaar, Peeter** 2016 [https://www.elektrilevi.ee/-/doc/6305157/ettevotest/uuringud/Elektrivorgu\\_klientide\\_elektripaigaldiste\\_yhe\\_kahepoolse\\_toite\\_moju\\_analyys\\_varustuskindlusele.pdf](https://www.elektrilevi.ee/-/doc/6305157/ettevotest/uuringud/Elektrivorgu_klientide_elektripaigaldiste_yhe_kahepoolse_toite_moju_analyys_varustuskindlusele.pdf)

### **Elektrivõrgu operatiivjuhtimissüsteem**

**Meldorf, Mati;** Tikk, Tõnis; **Kilter, Jako** 2010 [http://www.ester.ee/record=b2668039\\*est](http://www.ester.ee/record=b2668039*est)

#### **Elektrivõrgu operatiivjuhtimissüsteem**

**Meldorf, Mati;** Tikk, Tõnis 2001 [https://www.ester.ee/record=b1551361\\*est](https://www.ester.ee/record=b1551361*est)

#### **Elektrivõrgud**

**Tiigimägi, Eeli** 1997 [https://www.ester.ee/record=b1053792\\*est](https://www.ester.ee/record=b1053792*est)

#### **Elektrivõrkude arengust**

**Korõtko, Tarmo; Pettai, Elmo** Elektriala 2018 / lk. 10-13 : ill [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est)  
[https://artiklid.elnet.ee/record=b2865343\\*est](https://artiklid.elnet.ee/record=b2865343*est)

#### **Elektroenergeetika ettevõtete struktuur aastatel 1939-1951**

**Metusala, Tiit** Elektriala 2020 / lk. 30-32 : ill [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est)

#### **Elektroenergeetika ettevõtete struktuur aastatel 1951-1999**

**Metusala, Tiit** Elektriala 2021 / lk. 26-28 : ill [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

#### **Elektroenergeetika magistrandid otsisid oma lõputöodes lahendusi, kuidas tagada elektrivõrgu töökindlus ja kasumlikkus**

**Tealane, Marko** Elektriala 2025 / lk. 30-31 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

#### **Ellamaa elektrijaam. 100 aastat käivitamisest. 1.-2. osa**

**Metusala, Tiit** Elektriala 2023 / lk. 27-29 : ill., fot., portr. ; 4, lk. 20-21 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

#### **Energeetika - otsapidi üksnes taastuenergia küljes**

**Janson, Kuno; Kallaste, Ants; Bolgov, Viktor** Horisont 2013 / lk. 30-36 : ill [https://artiklid.elnet.ee/record=b2606466\\*est](https://artiklid.elnet.ee/record=b2606466*est)

#### **Energeetika tulevik - otsapidi tarkvõrkude küljes**

**Lehtla, Tõnu** Horisont 2012 / lk. 32-37 : ill [https://artiklid.elnet.ee/record=b2481026\\*est](https://artiklid.elnet.ee/record=b2481026*est)

#### **Energia Teataja : RE Eesti Energia väljaanne = Энерговестник**

1996 [https://www.ester.ee/record=b1072156\\*est](https://www.ester.ee/record=b1072156*est)

#### **Energia Teataja : RE Eesti Energia väljaanne = Энерговестник**

1996 [https://www.ester.ee/record=b1072156\\*est](https://www.ester.ee/record=b1072156*est)

#### **Energia Teataja : RE Eesti Energia väljaanne = Энерговестник**

1996 [https://www.ester.ee/record=b1072156\\*est](https://www.ester.ee/record=b1072156*est)

#### **Energiajulgeolek ja elektrivõrgud**

**Valtin, Juhan; Lehtla, Tõnu** Postimees 2011 / lk. 13

#### **Energiakadudest elektrivõrkudes**

**Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan** Eesti Energia Kuukiri 1998 / lk. 7-9, 21-23 : ill  
[https://www.ester.ee/record=b1072035\\*est](https://www.ester.ee/record=b1072035*est)

#### **Energiastrateegia, energiajulgeolek ja töökindlad elektrivõrgud**

**Lehtla, Tõnu; Valtin, Juhan** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 22-25

#### **Energiatootmine Eestis ja lähiriikides**

**Konist, Alar** Postimees 2020 / Lk. 6-7 : ill <https://dea.digar.ee/article/ak/2020/09/19/5.1>

#### **Energy management implementation approach for droop-controlled residential DC nanogrids**

**Hasan, Sayeed; Chub, Andrii; Yadav, Neelesh; Blinov, Andrei; Kurnitski, Jarek; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144665>

#### **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)

#### **Envisioning the future renewable and resilient energy grids – a power grid revolution enabled by renewables, energy storage, and energy electronics**

Peng, Fang Zheng; Liu, Chen-Ching; Li, Yuan; Jain, Akshay Kumar; **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in

**Esitleti ajalooamatut "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 distribution network state on the basis of a mathematical load model**

Meldorf, Mati; Treufeldt, Ülo; Kilter, Jako Oil shale 2005 / 2S, p. 161-170 [https://artiklid.elnet.ee/record=b2346713\\*est](https://artiklid.elnet.ee/record=b2346713*est)

**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 elektrivõrkude arenguhooni**

Möller, Kalju Elektriala 2001 / 1, lk. 10-13

**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>

**The evaluation of substations asset management methods cost-efficiency by using numerical simulations**

Andreesen, Guido 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. 83-84 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Experimental results of parallel active filter implementation in nonideal power grid**

Husev, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri Technological Innovation for Value Creation : third IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2012, Costa de Caparica, Portugal, February 27-29, 2012 : proceedings 2012 / p. 291-298 : ill [https://link.springer.com/chapter/10.1007/978-3-642-28255-3\\_32](https://link.springer.com/chapter/10.1007/978-3-642-28255-3_32)

**Expert: Selling solar electricity to grid will become costlier**

Pott, Toomas news.err.ee 2023 [Expert: Selling solar electricity to grid will become costlier](https://news.err.ee/1609631540/experts-question-necessity-of-new-estonia-latvia-electricity-connection)

**Experts question necessity of new Estonia-Latvia electricity connection**

news.err.ee 2025 <https://news.err.ee/1609631540/experts-question-necessity-of-new-estonia-latvia-electricity-connection>

**Facing distorted current and undesirable consumption in smart grids**

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

**A family of bidirectional solid-state circuit breakers with increased safety in DC microgrids**

Rahimpour, Saeed; Husev, Oleksandr; Vinnikov, Dmitri IEEE transactions on industrial electronics 2023 / p. 10919-10929 <https://doi.org/10.1109/TIE.2023.3337493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fault detection and protection strategy for multi-terminal HVDC grids using wavelet analysis**

Kaur, Jashandeep; Jayasooriya, Manilka; Iqbal, Muhammad Naveed; Daniel, Kamran; Shabbir, Noman; Peterson, Kristjan Energies 2025 / art. 1147 <https://doi.org/10.3390/en18051147>

**Fault locating in unearthed MV networks based on analysis of wave transients**

Järvik, Jaan; Panov, Valeri The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 163-168

**Fault prediction in power network**

Kangilaski, Taivo The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 289-292

**Feasibility study of a DC house connected to a conventional AC distribution network**

Hokmabad, Hossein Nourollahi; Shabir, Noman; Astapov, Victor; Petlenkov, Eduard; Husev, Oleksandr; Belikov, Juri 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604419>

**Forecasting available demand-side flexibility**

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49 [https://doi.org/10.1007/978-981-15-4627-3\\_4](https://doi.org/10.1007/978-981-15-4627-3_4) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Forecasting demand-side flexibility of a household with dynamic consumer behavior analysis**

Shahid, Arqum; Ahmadihangar, Roya; Rosin, Argo; Korõtko, Tarmo IEEE PES Innovative Smart Grid Technologies



**A framework for comprehensive impact assessment in the case of an extreme winter scenario, considering integrative aspects of systemic vulnerability and resilience**

Molarius, Riitta; Tuomaala, Pekka; Piira, Kalevi; Räikkönen, Minna; Aubrecht, Christoph; Polese, Maria; Zuccaro, Giulio; Pilli-Sihvola, Karoliina; **Rannat, Kalev** CMES - Computer Modeling in Engineering and Sciences 2015 / p. 131 - 158

<https://www.techscience.com/CMES/v109-110n2/27295> <https://doi.org/10.3970/cmcs.2015.109.131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Front-end active rectifier for grid-connected PMSG based wind turbines**

Husev, Oleksandr; Bisenieks, Lauris; **Vinnikov, Dmitri** Вісник Чернігівського державного технологічного університету. Серія "Технічні науки" = Journal of Chernigiv State Technological University 2011 / p. 132-138 : ill

**Full SiC three-level T-type quasi-Z source inverter as grid-forming unit in islanded nanogrid**

Gutiérrez-Escalona, Javier; Roncero-Clemente, Carlos; **Matiushkin, Oleksandr**; González-Romera, Eva; Pires, V. Fernão; Romero-Cadaval, Enrique IET renewable power generation 2025 / art. e70051 <https://doi.org/10.1049/rpg2.70051>

**Grid-connected PV system based on a single-phase three-level qZS inverter**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Stepenko, Serhii Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5979-5984 : ill <https://doi.org/10.1109/IECON.2013.6700116> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Grid-connected solar PV power plants optimization: a review**

Zidane, Tekai Eddine Khalil; Aziz, Ali Saleh; **Zahraoui, Younes**; Kotb, Hossam; Aboras, Kareem M.; Kitmo; Jember, Yosef Berhan IEEE Access 2023 / p. 79588-79608 <https://doi.org/10.1109/ACCESS.2023.3299815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Grundlagen der Rationalisierung von Mittelspannungsnetzen**

Novod, F.; **Randmer, Uudus-Gerhard** Energietechnik 1969 / S. 117-119 [https://www.ester.ee/record=b1499825\\*est](https://www.ester.ee/record=b1499825*est)

**Hajusa elektritootmise populaarsus võib tõugata elektrivõrgud surmaspiraali**

**Belikov, Juri** novaator.err.ee 2024 [Hajusa elektritootmise populaarsus võib tõugata elektrivõrgud surmaspiraali](#)

**High-efficiency quad-mode parallel PV power optimizer for DC microgrids**

**Sidorov, Vadim** 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. 59-60 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**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

**IEC 61850 and measurements**

**Dmitrenko, Igor** Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 106-110 : ill

**Implementation issues of droop controlled DC nanogrids: State of charge management of battery energy storage and impact of sensor gain tolerance**

**Hasan, Sayeed**; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p <https://doi.org/10.1109/RTUCON62997.2024.10830832>

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

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

**Improved quantification of partial discharges for reliable diagnostics of multipath connections in MV substations**

**Shafiq, Muhammad**; **Kiitam, Ivar**; Isa, Muzamir; **Taklaja, Paul**; **Palu, Ivo**; **Kütt, Lauri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / 6 p <https://doi.org/10.1109/RTUCON53541.2021.9711585>

**Inaccuracies and uncertainties for harmonic estimation in distribution networks**

Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Shabbir, Noman**; Amjad, Anas; Awan, Abdul Waheed; Ali, Majid Sustainability 2024 / art. 6523 <https://doi.org/10.3390/su16156523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An information modeling method for electric micro grids**

**Korõtko, Tarmo** 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. 205-208 : ill

### **Informational modelling of FSM networks**

**Keevallik, Andres; Kruus, Margus; Udre, Jüri** Proceedings of the 4th International Workshop Mixed Design of Integrated Circuits and Systems : MIXDES'97 : Poznan, Poland, 12-14 June 1997 1997 / p. 167-172

### **Inrush current measurement and modeling practical cases and primary methods**

**Tinno, Jan Markus; Kütt, Lauri; Parker, Martin; Kulikov, Jan; Jaanus, Martin** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p  
<https://doi.org/10.1109/RTUCON62997.2024.10830806>

### **Inseneriõpingud viisid tee, kus sõit kiire ja võimalused piiratud**

**Pent, Brenda** TööstusEST 2024 / lk. 20-21 : fot [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

### **Integration of control and protection systems in power networks**

**Berkman, Rait; Meldorf, Mati; Tammoja, Heiki** Oil shale 2005 / 2S, p. 209-216 : ill [https://artiklid.elnet.ee/record=b2346719\\*est](https://artiklid.elnet.ee/record=b2346719*est)

### **Intelligentne trafo – nutikate elektrivõrkude tulevik**

**Beldjajev, Viktor** Studioosus 2011 / lk. 32

### **Introduction to minimize sunk costs in electricity network tariff = Sissejuhatus uppunud kulude minimeerimiseks elektrivõrgu tariifis**

**Mere, Tarmo** 2019 <https://digikogu.taltech.ee/et/Item/49d2b3b6-b570-4958-abda-7e898286eea0>

### **Investeeringud kõrge- ja keskpinge võrku tagavad jätkusuutliku arengu**

**Pajo, Raine** Elektriala 2004 / 4, lk. 7-9 : ill

### **Investigating different sources of flexibility in power system**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin** Demand-side flexibility in smart grid 2020 / p. 27-37  
[https://doi.org/10.1007/978-981-15-4627-3\\_3](https://doi.org/10.1007/978-981-15-4627-3_3) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Javad Keypour: koduse päikesejaama liitumiskulude kasv ja rohekakkulepe**

**Keypour, Javad** err.ee 2025 <https://www.err.ee/1609666073/javad-keypour-koduse-paikesejaama-liitumiskulude-kasv-ja-rohekakkulepe>

### **Julgeolekuohud Balti riikide merealuste ühendustega seotud kriitilisele taristule: Läänemeri hübriidsõja tulipunktis**

**Muuga, Emilia; Loik, Ramon; Kaup, Georg-Henri; Savimaa, Raul; Koort, Erkki** 2025 <https://doi.org/10.15158/sra3-5651>  
<https://digiriitl.sisekaitse.ee/handle/123456789/3579> [https://www.ester.ee/record=b5731083\\*est](https://www.ester.ee/record=b5731083*est)

### **Jüri Laurson : Narva põlevkivielektrijaamad tuleb kiiresti renoveerida [Võrguväljaanne]**

### **Narva põlevkivielektrijaamad tuleb kiiresti renoveerida [Võrguväljaanne]**

**Laurson, Jüri** ohtuleht.ee 2022 ["Narva põlevkivielektrijaamad tuleb kiiresti renoveerida"](https://ohtuleht.ee/2022/05/12/narva-polevkivielektrijaamad-tuleb-kiiresti-renoveerida/)

### **230/400 contra 220/380**

**Risthein, Endel** Energiavarustus ja -sääst. Informatsiooniseeria 17 : bülletään 1989 / lk. 1-7 [https://www.ester.ee/record=b1248096\\*est](https://www.ester.ee/record=b1248096*est)

### **Kas muudame tehtud otsuseid?**

**Rajangu, Väino** Postimees 2019 / lk. 15 [Väino Rajangu: kas muudame tehtud otsuseid?](https://postimees.ee/2019/05/15/vaino-rajangu-kas-muudame-tehtud-otsuseid/)

### **Kas tarbija elektri kvaliteeti saaks senisest lihtsamalt parandada? [Võrguväljaanne]**

**digi.geenius.ee** 2022 ["Kas tarbija elektri kvaliteeti saaks senisest lihtsamalt parandada?"](https://digi.geenius.ee/2022/05/12/kas-tarbija-elektri-kvaliteeti-saaks-senisest-lihtsamalt-parandada/)

### **Kliimaskepsism, kestlikkus ja TalTechi roll**

**Vaaks, Eveliis** Trialoog 2025 <https://trialoog.taltech.ee/kliimaskepsism-kestlikkus-ja-taltech-roll/>

### **3-faasilise järgivsüsteemi häirekindluse uurimine**

**Vellamäe, U.; Pikkov, Otto** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 45 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

### **Kompaktluminofoorlampide kasutuselevõtu mõju elektrivõrgule**

**Niitsoo, Jaan** TalveAkadeemia 2011 : teaduslikud lühiaartiklid 2011. Kogumik 9 2011 / lk. 40-47 : ill

### **Kui pikk peab olema elektrikatkestus**

**Valdna, Vello** Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 169-170

## **Käesoleval aastal juba kolmas elektri võrguteenuse hinnakiri**

**Rajangu, Väino** Elektriala 2022 / lk. 24-25 [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

## **10 küsimust Eesti Energiale**

**Rajangu, Väino** Eesti Päevaleht 2004 / lk. 3 <https://epl.delfi.ee/artikkel/50978605/vaino-rajangu-10-kusimust-eesti-energiale>

## **LC circuit with alternating parallel and series resonance in switch-mode converters**

**Janson, Kuno; Järvik, Jaan; Šklovski, Jevgeni** The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 91-94 : ill

## **LC circuit with parallel and series resonance alternation in switch-mode converters = Paralleel- ja järjestikresonantsi vaheldumisega LC ahel lülitussageduslikes muundurites**

**Šklovski, Jevgeni** 2007 [https://www.ester.ee/record=b2238343\\*est](https://www.ester.ee/record=b2238343*est)

## **Leveraging digital twins and demand side recommender Chatbot for optimizing smart grid energy efficiency**

**Onile, Abiodun Emmanuel; Belikov, Juri; Petlenkov, Eduard; Levron, Yoash** 2023 IEEE PES Innovative Smart Grid Technologies - Asia, ISGT Asia 2023 2023 / 5 p <https://doi.org/10.1109/ISGTAsia54891.2023.10372761>

## **Liigpingepiirikud**

**Oidram, Rein; Metusala, Tiit; Oidram, Rein; Teemets, Raivo; Riit, Tarmo** 2009 [https://www.ester.ee/record=b2536957\\*est](https://www.ester.ee/record=b2536957*est)

## **Liigpingepiirikud**

**Oidram, Rein; Tammoja, Heiki** 2004 [https://www.ester.ee/record=b2006452\\*est](https://www.ester.ee/record=b2006452*est)

## **Liigpingepiirikud**

**Terno, Olaf; Metusala, Tiit; Tammoja, Heiki** 2004 [https://www.ester.ee/record=b2006459\\*est](https://www.ester.ee/record=b2006459*est)

## **A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed**

**Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; Wen, Fushuan; Palu, Ivo; Feng, Changsen** IEEE Access 2020 / p. 106452-106463 <https://doi.org/10.1109/ACCESS.2020.2999519> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Maandamine ja potentsiaaliühtlustus**

**Risthein, Endel** 2004 [https://www.ester.ee/record=b1891004\\*est](https://www.ester.ee/record=b1891004*est)

## **Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2023)**

2023 [https://www.ester.ee/record=b5641184\\*est](https://www.ester.ee/record=b5641184*est)

## **Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted [Võrguteavik] = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2014)**

2015 [http://www.ester.ee/record=b4502269\\*est](http://www.ester.ee/record=b4502269*est)

## **Madis Mosona - 50 aastat Eesti Energias**

**Mosona, Madis** Elektriala 2015 / lk. 10-13 : fot [https://artiklid.elnet.ee/record=b2748605\\*est](https://artiklid.elnet.ee/record=b2748605*est)

## **Mathematical modeling and stability analysis of a microgrid in island operation**

**Beg, Nauman; Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** 2018 International Conference on Smart Energy Systems and Technologies (SEST), 10-12 September, 2018, Seville, Spain : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/SEST.2018.8495694>

## **Microgrid control and electricity auction**

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

## **MicroGRID, ehk, väike-tarkvõrk Tallinna Tehnikaülikoolis**

**Rosin, Argo** Elektriala 2012 / lk. 22-24 : ill [https://artiklid.elnet.ee/record=b2537298\\*est](https://artiklid.elnet.ee/record=b2537298*est)

## **Mida tarbija võib Eleringi arengukavast?**

**Rajangu, Väino** Õhtuleht 2014 / lk. 8 <https://www.oh tuleht.ee/589148/kommentaar-mida-tarbija-voidab-eleringi-arengukavast>

## **Mikrovõrk võimaldab energiakasutust tõhusamalt juhtida**

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

**Modelling of high-speed electrical railway system for transmission network voltage quality analysis : Rail Baltic case study**

**Kilter, Jako; Sarnet, Tanel; Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 323-328 : ill

**Modelling of wind energy-based microgrid system implementing MMC**

**Mishra, Sambeet; Palu, Ivo; Madichetty, Sreedhar; Suresh Kumar, L.V.** International Journal of Energy Research 2016 / p. 952-962  
<https://doi.org/10.1002/er.3490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling transmission systems in energy system analysis : a comparative study**

**Gunkel, Philipp A.; Koduvare, Hardi; Kirkerud, Jon Gustav** Journal of environmental management 2020 / art. 110289  
<https://doi.org/10.1016/j.jenvman.2020.110289> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Models for modern power distribution system planning = Kaasaegsete jaotusvõrkude planeerimise mudelid**

**Mishra, Sambeet** 2018 <https://digi.lib.ttu.ee/ii/?11198> [https://www.ester.ee/record=b5176778\\*est](https://www.ester.ee/record=b5176778*est)

**Müstilised võrgutasud**

**Rajangu, Väino** Meie Maa 2013 / lk. 2

**Naroowa weejóu kasutamise kawa**

1922 [https://www.ester.ee/record=b1237610\\*est](https://www.ester.ee/record=b1237610*est)

**National Implementation in Estonia of COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators**

**Kilter, Jako** 15th Wind Integration Workshop : International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants : 15-17 November 2016, Vienna, Austria 2016 / p. 1-6

**46 miljardit krooni on mõistlik investeerimine : [Eesti elektroenergeetikasüsteemi]**

**Ots, Arvo** Eesti Päevaleht 2004 / 11. veebr., lk. 11 <https://arileht.delfi.ee/artikkel/50976280/46-miljardit-krooni-on-moistlik-investeering>

**Network quality indicators and overview of long-term load forecasting models**

**Laanetu, Margus; Hõbejõgi, Tiit** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 192-196 : ill

**New approaches for increasing demand-side flexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin** Demand-side flexibility in smart grid 2020 / p. 51-62  
[https://doi.org/10.1007/978-981-15-4627-3\\_5](https://doi.org/10.1007/978-981-15-4627-3_5) [Journal metrics at Scopus](#) [Article at Scopus](#)

**New converter for interfacing PMSG based small-scale wind turbine with residential power network [Electronic resource]**

**Bisenieks, Lauris; Vinnikov, Dmitri; Galkin, Ilja** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 354-359 [CD-ROM]  
<https://ieeexplore.ieee.org/abstract/document/5942260>

**A new high step-up switched-capacitor/inductor based DC-DC converter**

**Mashinchi Maheri, Hamed; Saadatizadeh, Zahra; Chavoshpour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 <https://doi.org/10.1109/RTUCON53541.2021.9711590>

**New operation strategy for a grid-connected three-phase three-level NPC qZS inverter based on power losses**

**Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Martins, Joao** Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 60 - 65 <https://doi.org/10.5755/j01.eie.22.3.15316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nimi- ja taluvpingetest ning isolatsiooni koordineerimine**

**Metusala, Tiit; Oidram, Rein** Elektriku teatmik 1997 / lk. 136-143

**Non-intrusive load monitoring based smart energy management system for smart buildings**

**Jawad, Muhammad; Shabbir, Noman; Ahmadihangar, Roya; Rosin, Argo; Khaleel, T.; Tahir, W.** 2024 7th International Conference on Information and Computer Technologies (ICICT) : proceedings 2024 / p. 46-50  
<https://doi.org/10.1109/ICICT62343.2024.00014>

**Novel droop control strategy for indirect battery management in DC nanogrids**

**Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei** Proceedings of the Estonian Academy of Sciences 2024 / p. 345-355  
<https://doi.org/10.3176/proc.2024.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Novel dual-purpose cost-effective forward-based micro-converter**

**Afshar, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144743>

**A novel single-phase common-grounded converter based on switched-capacitor**

Kurdkandi, Naser Vosoughi; **Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri**; Gao, Wei; Chunting, Chris Mi IEEE transactions on power electronics 2024 / p. 16201-16216 <https://doi.org/10.1109/TPEL.2024.3444769> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Obstacles to proper operation of substation telematics**

**Dimitrenko, Igor** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 93-98 : ill

**Olukord kontrolli all. Eelmise talve gaasi- ja elektrivarustuse paanika jääb tänavu Eestis ära**

Raig, Tanel Eesti Päevaleht 2023 / Lk. 12-13 <https://dea.digar.ee/article/eestipaevaleht/2023/06/21/11.4>

**On the concept of flexibility in electrical power systems : signs of inflexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 17-26 [https://doi.org/10.1007/978-981-15-4627-3\\_2](https://doi.org/10.1007/978-981-15-4627-3_2) [Journal metrics at Scopus](#) [Article at Scopus](#)

**On the local and global optimums in distribution feeder reconfiguration**

**Terno, Olaf** Oil shale 2005 / 2S, p. 171-180 : ill [https://artiklid.elnet.ee/record=b2346715\\*est](https://artiklid.elnet.ee/record=b2346715*est)

**Online learning-based coordination control of the interlinking converter in hybrid ac/dc microgrid**

Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; **Matiushkin, Oleksandr**; Romero-Cadaval, Enrique; Gonzalez-Romera, Eva; Martins, Joao 2025 IECON – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / 6 p <https://doi.org/10.1109/IECON58223.2025.11221287>

**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 uncertain information**

**Tammoja, Heiki; Valdma, Mati; Keel, Matti** Proceedings of the 2006 IASME/WSEAS International Conference on Energy & Environmental Systems : Chalkida, Greece, May 8-10, 2006 2006 / p. 213-217 : ill [https://www.researchgate.net/publication/298547148\\_Optimal\\_load\\_dispatch\\_in\\_power\\_plant\\_under\\_probabilistic\\_information](https://www.researchgate.net/publication/298547148_Optimal_load_dispatch_in_power_plant_under_probabilistic_information)

**Overview - pumped-hydro energy storage for balancing wind energy forecast errors**

**Raudsaar, Urmas; Drovtar, Imre; Rosin, Argo** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 133-138 : ill

**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](#)

**P3R : partial power postregulated gridforming converter for prosumer DC buildings**

**Carvalho da Silva, Edivan Laercio; Chub, Andrii; Hassanpour, Naser; Blinov, Andrei**; Rathore, Akshay Kumar; **Vinnikov, Dmitri** IEEE transactions on industrial electronics 2025 / p. 1628-1637 <https://doi.org/10.1109/TIE.2024.3423358>

**Pingekvaliteet elektrituulikuid sisaldavas nõrgas elektrivõrgus**

**Palu, Ivo** Taastuvate energiaallikate uurimine ja kasutamine : seitsmenda konverentsi kogumik : [13. okt. 2005], Tartu, Estonia 2006 / lk. 25-30 : ill

**Possibilities to optimize low voltage network investments in rural areas = Võimalused madalpingevõrgu investeerimiseks maapiirkonnas**

**Hõbejõgi, Tiit** 2016 <https://digi.lib.ttu.ee/ii/?4123> [https://www.ester.ee/record=b4556548\\*est](https://www.ester.ee/record=b4556548*est)

**Practical method for mitigating three-phase unbalance based on data-driven user phase identification**

Liu, Shengyuan; Cui, Xueyuan; Lin, Zhenzhi; **Wen, Fushuan** IEEE transactions on power systems 2020 / p. 1653-1656 : ill <https://doi.org/10.1109/TPWRS.2020.2965770>

**Preparation of industrial robot systems for work in intelligent power networks**

Beldjajev, Viktor; **Lehtla, Tõnu** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 71-74



### **Professor : Eesti ei peaks Vene elektrisüsteemist kergekäeliselt lahkuma**

Põlendik, Kadri; Luts, Janek err.ee 2022 / fot [Professor : Eesti ei peaks Vene elektrisüsteemist kergekäeliselt lahkuma](#)

### **Professor Ivo Palu südameasjaks on mõõtmised**

Aru, Erik Mente et Manu 2015 / lk. 12-13 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Professor: energiakriisi aitab leevendada internetilaadne elektrivõrk [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2022 [Professor: energiakriisi aitab leevendada internetilaadne elektrivõrk](#)

### **PV-battery assisted three-level T-Type inverter for AC residential nanogrid realized with small-scale HIL units**

Gutierrez-Escalona, Javier; **Roncero-Clemente, Carlos**; Gonzalez-Romera, Eva; Milanes-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 <https://doi.org/10.1109/ACCESS.2023.3276235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Põlevkivienergeetikale ei ole Eestis tõsist alternatiivi**

Ots, Arvo Äripäev 2004 / 27. mai, lk. 23 <https://www.aripaev.ee/uudised/2004/05/26/polevkivienergeetikale-ei-ole-eestis-tosist-alternatiivi>

### **Rahvusvaheline elektritoite kvaliteedi ja elektrivarustuskindluse konverents - PQ2012**

Keskkonnatehnika 2012 / lk. 9 [https://artiklid.elnet.ee/record=b2526343\\*est](https://artiklid.elnet.ee/record=b2526343*est)

### **Rahvusvaheline konverents elektritoite kvaliteedist ja elektri varustuskindlusest - PQ2012 : [eelinfo]**

Inseneeria 2012 / lk. 4

### **Reactive power sharing and voltage control for islanded microgrids at low voltage level**

**Helguero Cruz, Jorge Luis**; Hutter, T.; **Armstorfer, Andreas**; **Rosin, Argo**; **Biechl, Helmuth** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 133-137 : ill [http://ise.elnet.ee/record=b2950045~S2\\*est](http://ise.elnet.ee/record=b2950045~S2*est)

### **Reduction of network harmonics using PWM-rectifiers**

Ollila, J. Тезисы докладов семинара "Новые направления научных исследований в области электромеханики" 1991 / с. 25-28.: ил

### **Reliability framework for power network assessment**

**Mishra, Sambeet**; Bordin, Chiara; Fornes, Jordi Mateo; **Palu, Ivo** 2018 International Conference on Renewable Energy and Environment Engineering (REEE 2018) 2019 / art. 02005, 7 p. . ill <https://doi.org/10.1051/e3sconf/20198002005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Residential grids power quality analyses concerning nonlinear consumer loads and PV panels = Madalpingevõrgu elektrikvaliteedi analüüs seoses ebalineaarsete elektrienergia tarbijate ja päikesepaneelidega**

Niitsoo, Jaan 2016 <https://digi.lib.ttu.ee/i/?6995> [https://www.ester.ee/record=b4640583\\*est](https://www.ester.ee/record=b4640583*est)

### **Residential load forecasting using recurrent neural networks**

**Shabbir, Noman**; **Ahmadihangar, Roya**; **Raja, Hadi Ashraf**; **Kütt, Lauri**; **Rosin, Argo** 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 478-481 : ill <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161565>

### **Results of thermographic diagnostics of electric grid contact junctions and generators of oil shale power plants**

Dorovatovski, Nikolai; Liik, Olev Oil shale 2005 / 2S, p. 243-257 : ill [https://artiklid.elnet.ee/record=b2346725\\*est](https://artiklid.elnet.ee/record=b2346725*est)

### **Review of LLMs Applications in Electrical Power & Energy Systems**

**Amjad, Furqan**; **Korõtko, Tarmo**; **Rosin, Argo** IEEE Access 2025 / p. 150951-150969 <https://doi.org/10.1109/ACCESS.2025.3599922> <https://ieeexplore.ieee.org/document/11129042>

### **Robust stability region of PI controllers for an interval time delayed load frequency control**

**Ghorbani, Majid**; **Nosrati, Komeil**; **Tepljakov, Aleksei**; **Belikov, Juri**; **Petlenkov, Eduard** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863205> [Article at Scopus](#) [Article at WOS](#)

### **Rohepöörde ning ringmajanduse mõjud ja võimalused?**

**Rosin, Argo** Elektriala 2021 / lk. 8-9 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Rohepööre, energeetika proovikivi**

**Konist, Alar** Horisont 2021 / lk. 18-24 : fot [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

### **100 aastat Eesti esimese „ülemaa liini“, Ellamaa-Haapsalu 15 kV, käivitamisest!**

Rebane, Raivo; **Metusala, Tiit** Elektriala 2023 / Lk. 24-26 [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **100 aastat tagasi jõudis Eestisse 35 kV, järg**

**Metusala, Tiit** Elektriala 2024 / 2, lk. 28-30 fot., portr. ; 3, lk. 28-29 : fot [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Salvestiga mikrovõrk edendab hajustootmist : [TTÜ energeetikateaduskonna doktorandi Tarmo Korõtko sõnul]**

**Feldmann, Mati** TööstusEST 2016 / lk. 20-23 : ill [https://artiklid.elnet.ee/record=b2756749\\*est](https://artiklid.elnet.ee/record=b2756749*est)

### **Scalable and efficient authentication scheme for secure smart grid communication**

**Hammami, Hamza; Ben Yahia, Sadok;** Obaidat, Mohammad S. IET Networks 2020 / p. 165-169 <https://doi.org/10.1049/iet-net.2019.0225> [Journal metrics at Journal Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Security assessment of transmission network**

**Medvedeva, Viktoria** 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 104-107 : ill

### **Security Threats to the Undersea Connections Related Critical Infrastructure of the Baltic States: Baltic Sea in the Focus of Hybrid Warfare**

**Muuga, Emilia; Loik, Ramon; Kaup, Georg-Henri; Savimaa, Raul; Koort, Erkki** 2025 [https://www.ester.ee/record=b5738415\\*est](https://www.ester.ee/record=b5738415*est)

### **Short-circuit currents calculation algorithm in street lighting networks**

**Armas, Jelena; Varjas, Toivo; Ivanov, Aleksandr** 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. 7-10 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Simplified DFT with sorted accumulation of input samples**

**Mårtens, Olev** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 329-332 : ill

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

**Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri;** Stepenko, Serhii Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

### **Soft-start procedure for DC microgrid fed by PWM-controlled DAB converter**

**Carvalho, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 6 p <https://doi.org/10.1109/CPE-POWERENG63314.2025.11027167>

### **Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid**

**Rahmoun, Ahmad; Beg, Nauman; Rosin, Argo; Biechl, Helmuth** 2018 IEEE International Energy Conference (ENERGYCON 2018) : Limassol, Cyprus 3-7 June 2018 2018 / p. 342-347 : ill <http://dx.doi.org/10.1109/ENERGYCON.2018.8398792>

### **State of the art in research on microgrids realtime studies**

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

### **Stochasticity of the electrical network load**

**Meldorf, Heiki; Täht, T.; Kilter, Jako** Oil shale 2007 / 2S, p. 225-236 : ill <https://www.semanticscholar.org/paper/STOCHASTICITY-OF-THE-ELECTRICAL-NETWORK-LOAD-Meldorf-T%C3%A4ht/ba9fcafe43fd6d33cd09033fab4f277bd307785d>

### **Strategy for analysis of loss situation and identification of loss sources in electricity distribution networks**

**Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan** Oil shale 2007 / 2S, p. 297-307 [https://www.researchgate.net/publication/228789489\\_Strategy\\_for\\_analysis\\_of\\_loss\\_situation\\_and\\_identification\\_of\\_loss\\_sources\\_in\\_electricity\\_distribution\\_networks](https://www.researchgate.net/publication/228789489_Strategy_for_analysis_of_loss_situation_and_identification_of_loss_sources_in_electricity_distribution_networks)

### **Stromrichter mit der parametrischen Blindleistungskompensation und Strombegrenzung (PKB-Stromrichter) - eine billige netzfreundliche Schaltung für die Gleichstrom-Lichtbogenöfen**

**Janson, Kuno; Järvik, Jaan** 4. Internationaler Workshop Oberschwingungen und Flicker, 22.-24. März 1995 / Veranstalter: Institut für Elektrische Anlagen, Technische Universität Graz, Austria 1995 / Bl. [108-118]: Ill

### **Study of overvoltages upon single-phase ground fault initialisation and arcing processes on MV networks with isolated neutral**

**Kütt, Lauri; Järvik, Jaan; Sepping, Eino** The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 139-143 : ill

### **Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power**

## networks

Janson, Kuno; Järvik, Jaan; Külm, Evald; Kütt, Lauri; Šklovski, Jevgeni 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany 2003 / p. 583-584 : ill

## Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power networks [Electronic resource]

Janson, Kuno; Järvik, Jaan; Külm, Evald; Kütt, Lauri; Šklovski, Jevgeni 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany : proceedings and our portrait 2003 / [10] p. : ill. [CD-ROM]

## Study of transformer overvoltages under single-phase earth faults in 6...35 kV networks with insulated neutral point [Electronic resource]

Janson, Kuno; Järvik, Jaan; Kalda, Heljut; Külm, Evald; Šklovski, Jevgeni Electric Power Engineering 2003 : 5th International Scientific Conference : January 28-29, 2003, Beskydy Pension, Visalaje, Czech Republic : held by occasion of 25th Anniversary of Department of Electrical 2003 / [17] p. : ill. [CD-ROM]

## Super resolution perception for smart meter data

Liu, Guolong; Gu, Jinjin; Zhao, Junhua; Wen, Fushuan; Liang, Gaoqi Information sciences 2020 / p. 263-273 : ill  
<https://doi.org/10.1016/j.ins.2020.03.088>

## Suured muutused energeetikas - meie valikutest sõltub nende mõju

Rosin, Argo TööstusEST 2022 / lk. 44-47 : ill [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est) <https://toostusest.ee/uudis/2022/12/16/suured-muutused-energeetikas-meie-valikutest-soltub-nende-moju/>

## Tallinna Linna elektrivõrk 105!

Metusala, Tiit Elektriala 2018 / lk. 28-30 : ill [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*est) [https://artiklid.elnet.ee/record=b2836194\\*est](https://artiklid.elnet.ee/record=b2836194*est)

## TalTech professor urges network fee pricing revamp, keeping oil shale

Konist, Alar news.err.ee 2023 [TalTech professor urges network fee pricing revamp, keeping oil shale](https://news.err.ee/100861766/taltech-professor-urges-network-fee-pricing-revamp-keeping-oil-shale)

## Targale wind farm connection studies and Grid Code compliance assessment

Sarnet, Tanel; Kilter, Jako 2022

## Tark elektrivõrk Smart grid

Preden, Jürjo-Sören Keskkonnatehnika 2011 / 8, lk. 28-29 [https://keskkonnatehnika.ee/wp-content/uploads/2017/09/KKT\\_2011\\_08.pdf](https://keskkonnatehnika.ee/wp-content/uploads/2017/09/KKT_2011_08.pdf)

## Tarkvõrk : terminoloogia = Smart grid : terminology [Võrguteavik]

2016 [http://www.ester.ee/record=b4615584\\*est](http://www.ester.ee/record=b4615584*est)

## Tartu katsetab uut ideed: paneme tänavavalgustuse alaliselt tööle!

Ladva, Asso Õhtuleht 2023 [Tartu katsetab uut ideed: paneme tänavavalgustuse alaliselt tööle!](https://www.ohuleht.ee/2023/09/01/tartu-katsetab-uut-ideed-paneme-tanavavalgustuse-alaliselt-toole/)

## Tehnoloogiaettevõtte Gridraven lisab elektrivõrgule särtsu

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/tehnoloogiaettevotte-gridraven-lisab-elektrivorgule-sartsu/>

## Temperature dependency of electrical network load

Meldorf, Mati; Treufeldt, Ülo; Kilter, Jako Oil shale 2007 / 2S, p. 237-247 : ill  
[https://www.researchgate.net/publication/228631520\\_Temperature\\_dependency\\_of\\_electrical\\_network\\_load](https://www.researchgate.net/publication/228631520_Temperature_dependency_of_electrical_network_load)

## The development and assessment of HVAC cable models for electrical transmission network planning studies = Kõrgepingeliste kaabelliinide mudelite arendamine ja analüüs elektrivõrgu planeerimisülesannete raamistikus

Kangro, Triin 2018 <https://digi.lib.ttu.ee/ii/?11205> [https://www.ester.ee/record=b5181775\\*est](https://www.ester.ee/record=b5181775*est)

## The invisible front : a cyber resilience perspective

Bahsi, Hayretdin The geopolitics of power grids : political and security aspects of Baltic electricity synchronization : March 2018 2018 / p. 53-68 : ill [https://www.ester.ee/record=b5053315\\*est](https://www.ester.ee/record=b5053315*est)

## The nexus of world electricity and global sustainable development

Wittmann, Veronika; Arici, Elif; Meissner, Dieter Energies 2021 / art. 5843, 21 p. : ill <https://doi.org/10.3390/en14185843> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## The role of storage degradation in energy management problems: an optimal control perspective

Chowdhury, Nilanjan Roy; Belikov, Juri; Beck, Yuval; Levron, Yoash; Baimel, Dmitry Journal of Energy Storage 2023 / art. 107412, 10 p <https://doi.org/10.1016/j.est.2023.107412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## The study about indefinite fault causes in Estonian 110 kV power grid

Taklaja, Paul; Oidram, Rein PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-

18, 2010, Kuressaare, Estonia 2010 / p. 177-182 : ill

### **Thermographic diagnostics of electrical equipment of Eesti Energia Ltd.**

**Dorovatovski, Nikolai** 2004 [http://www.ester.ee/record=b1987660\\*est](http://www.ester.ee/record=b1987660*est)

### **Time dependency of current harmonics for switch-mode power supplies**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton;** Demidova, Galina Applied sciences 2020 / art. 7806, 12 p. : ill <https://doi.org/10.3390/app10217806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Topology morphing control with soft transients for multimode series resonant DC-DC converter**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2021 IEEE 22nd International Conference of Young Professionals in Electron Devices and Materials (EDM) 2021 / p. 331–336 <https://doi.org/10.1109/EDM52169.2021.9507621>

### **Towards modern electricity grids**

**Pikner, Rando** 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 113-116 : ill

### **TTÜ professor soovitas muuta elektri võrgutasude hinnastamist ja jätkata põlevkivienergeetikaga**

Ots, Mait err.ee 2023 [TTÜ professor soovitas muuta elektri võrgutasude hinnastamist ja jätkata põlevkivienergeetikaga](#) [Energeetikaprofessor Alar Konist: põlevkivi ja põlevkivitehnoloogiat võiksime ka tulevikus kasutada](#)

### **TTÜ professor: päikeseelektri võrku müümine läheb müüjale pigem kallimaks**

Pott, Toomas err.ee 2023 [TTÜ professor: päikeseelektri võrku müümine läheb müüjale pigem kallimaks](#)

### **TTÜs avati uus arenduslabor**

Elektriala 2016 / lk. 34-35 : fot [https://artiklid.elnet.ee/record=b2808856\\*est](https://artiklid.elnet.ee/record=b2808856*est)

### **Tugevvoolupaigaldised nimivahelduvpingega üle 1 kV ja alalispingega üle 1,5 kV. Osa 2, Alalispinge = Power installations exceeding 1 kV AC and 1,5 kV DC. Part 2, DC (IEC 61936-2:2023)**

2025 [https://www.ester.ee/record=b5731284\\*est](https://www.ester.ee/record=b5731284*est)

### **Tulevasi elektriinseneri ootab ees avar tööpõld**

Alvela, Ain TööstusEST 2023 / lk. 26-27 [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

### **Tuuletont**

**Tomson, Teolan** Keskkonnatehnika 2004 / 6, lk. 46-47 : ill [https://artiklid.elnet.ee/record=b1017254\\*est](https://artiklid.elnet.ee/record=b1017254*est)

### **20-110 kV network development plan for Saaremaa**

**Ojangu, Jaanus; Kilik, Kalle** 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 108-112 : ill., map

### **Tühjad ümbrised madalpinge lülitus- ja juhtaparaadikoostetele : üldnõuded = Empty enclosures for low-voltage switchgear and controlgear assemblies : general requirements (IEC 62208:2023)**

2023 [https://www.ester.ee/record=b5641220\\*est](https://www.ester.ee/record=b5641220*est)

### **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)

### **Ulila elektrijaam 100**

Mee, Ülo; **Metusala, Tiit** Elektriala 2023 / lk. 28-31 : portr., fot., kaart [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **Universal interlinking converter for prosumer DC buildings : Operation with different DC grid types**

**Carvalho, Edivan Laercio;** Mandrioli, Riccardo; Pittala, Lohith Kumar; **Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144648> [Conference at Scopus](#)

### **Utilization of electric vehicles connected to distribution substations for peak shaving of utility network loads**

**Mägi, Marek** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 47-54 : ill

### **Uuring pakub meetodika Eesti võrkudest halva elektri tõrjumiseks [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Uuring pakub meetodika Eesti võrkudest halva elektri tõrjumiseks"](#)

**Uusi raamatuid : [Eesti elektrivõrkude ajalugu, koostaja T. Metusala, 2020]**

Elektriala 2020 / lk. 23 : ill [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)

**Vanemteadur: päikeseenergeetika peab muutuma buumi harjal nutikamaks**

Oidermaa, Jaan-Juhan novaator.err.ee 2025 <https://novaator.err.ee/1609748670/vanemteadur-paikeseenergeetika-peab-muutuma-buumi-harjal-nutikamaks>

**The weather impact on corona losses of 330 kV aging transmission lines**

Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863024>

**Vergleich der Blindleistungskompensation bei der Speisung der Lichtbogenofen**

Janson, Kuno; Järvik, Jaan Mezinardni vedecka konference. Sekce 22, Elektroenergetika : sbornik prednášek / Vysoká škola Bánská - Technická Univerzita Ostrava. Fakulta Elektrotechniky a Informatiky 1995 / S. 58-67: III

**Verification of utility-scale solar photovoltaic plant models for dynamic studies of transmission networks**

Machlev, Ram; Batushansky, Zohar; Soni, Sachin; Chadliev, Vladimir; Belikov, Juri; Levron, Yoash Energies 2020 / art. 3191, 20 p. : ill <https://doi.org/10.3390/en13123191> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wet test on naturally polluted glass and composite insulators**

Taklaja, Paul; Niitsoo, Jaan; Palu, Ivo PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 261-266 : ill <https://ieeexplore.ieee.org/document/6256236>

**Viiskümmend aastat Eesti energiasüsteemi**

1991 [https://www.ester.ee/record=b1191688\\*est](https://www.ester.ee/record=b1191688*est)

**Wind park and transmission network cooperation considering Grid Code requirements**

Kilter, Jako; Dubbelman, Edgar; Palu, Ivo; Niitsoo, Jaan Electrical and Control Technologies : proceedings of the the 7th International Conference on Electrical and Control Technologies ECT-2012 2012 / p. 183-188 : ill [https://www.researchgate.net/publication/290252818\\_Wind\\_park\\_and\\_transmission\\_network\\_cooperation\\_considering\\_Grid\\_Code\\_requirements](https://www.researchgate.net/publication/290252818_Wind_park_and_transmission_network_cooperation_considering_Grid_Code_requirements)

**Virtual organisation for power network management**

Kangilaski, Taivo 2004 2nd IEEE International Conference on Industrial Informatics : Collaborative Automation - One key for intelligent industrial environments : 24th-26th June, 2004, Berlin, Germany 2004 / p. 169-174 : ill <https://ieeexplore.ieee.org/document/1417324>

**Voltage and reactive power control in islanded microgrids without communication link**

Armstorfer, Andreas; Biechl, Helmuth; Rosin, Argo 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/BEC49624.2020.9277219>

**Wound core voltage transformers overvoltage problems caused by single phase faults in MV networks**

Järvik, Jaan; Kalda, Heljut; Külm, Evald; Sepping, Eino; Choi, J. Международная научно-техническая конференция "Перенапряжения и надежность эксплуатации электрооборудования" : Санкт-Петербург, 31 марта - 05 апреля 2003 г. Выпуск 1 2003 / p. 324-332 : ill

**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)

**Väljakutsed energeetikas : [avatud platvorm energiavoogude juhtimiseks]**

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

**Алгоритмы топологического анализа электрических сетей**

Raesaar, Peeter; Sild, Ants Вопросы стохастического управления режимами энергетических систем 1987 / с. 86-95

**Вопросы рационализации высоковольтных распределительных сетей**

Novod, F.; Randmer, Uudus Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 29-30 [https://www.ester.ee/record=b1344826\\*est](https://www.ester.ee/record=b1344826*est)

**Выбор сечения проводников по экономической плотности тока при автоматизированном проектировании электрических сетей**

Risthein, Endel Исследование электрических машин и электромагнитных устройств специального назначения 1983 / с. 59-64 : 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>

**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)



## **Модели электронных схем**

**Kurm, Matti; Tiigimäe, Merike** Автоматизация проектирования в электронике - система SPADE 1982 / с. 69-82 : ил  
[https://www.ester.ee/record=b1312243\\*est](https://www.ester.ee/record=b1312243*est) <https://digikogu.taltech.ee/et/Item/4bb3c838-273f-4f66-907d-fe44df0c246b>

## **О вепоятностном подходе к расчету электрических сетей**

**Tiigimägi, Eeli** Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 23-24 [https://www.ester.ee/record=b1344826\\*est](https://www.ester.ee/record=b1344826*est)

## **О линеаризации узловых мощностей электрических сетей**

**Raesaar, Peeter; Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1982 / с. 51-61  
[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>

## **О математическом моделировании стационарного режима электрической сети при вероятностно заданной исходной информации**

**Sild, Ants; Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1985 / с. 77-84  
[https://www.ester.ee/record=b1302407\\*est](https://www.ester.ee/record=b1302407*est) <https://digikogu.taltech.ee/et/Item/030d9115-743d-4f86-9bbd-aae45b9d7521>

## **О применении методов случайного поиска при оптимизации нормальных режимов распределительных сетей**

**Nagel, P.; Tiigimägi, Eeli; Seier, Gustav** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 256 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

## **Об обеспечении безопасности в сельскохозяйственных сетях низкого напряжения**

**Viik, J.; Zupsman, V.; Raesaar, Peeter** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1964 / с. 258 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

## **Об управлении нормальным режимом распределительной сети**

**Tiigimägi, Eeli** Проблемы оптимизации в электроэнергетике : тезисы II республиканской конференции ЭССР : [Таллин 26-27 ноября 1974 года] 1974 / с. 71-72 [https://www.ester.ee/record=b1346480\\*est](https://www.ester.ee/record=b1346480*est)

## **Об упрощении формул расчета относительных приростов потерь**

**Raesaar, Peeter** Энергетические системы : сборник статей. 3 1969 / с. 85-92 : 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 учете асинхронных двигателей при расчете токов короткого замыкания в электрических сетях промышленных предприятий**

**Risthein, Endel** Исследование электромагнитных и электромашинных устройств управления и контроля специального назначения 1980 / с. 29-36 : илл [https://www.ester.ee/record=b1312090\\*est](https://www.ester.ee/record=b1312090*est) <https://digikogu.taltech.ee/et/Item/e708f6e5-a186-4ef0-893e-d61558782a2b>

## **Об учете пусковых токов асинхронных двигателей при определении пиковых токовых нагрузок электрических сетей**

**Risthein, Endel** Автоматизированные магнетогидродинамические и линейные электроприводы и их элементы 1984 / с. 49-56 : ил [https://www.ester.ee/record=b1516617\\*est](https://www.ester.ee/record=b1516617*est) <https://digikogu.taltech.ee/et/Item/6409da8d-0cf9-46ba-b842-d466f5d84946>

## **Обработка входной и выходной информации при расчете стационарного режима электрической сети**

**Otstavel, A.; Raesaar, Peeter; Sild, Ants** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 43 [https://www.ester.ee/record=b1305565\\*est](https://www.ester.ee/record=b1305565*est)

## **Определение места повреждения в сетях 6...35 кВ при однофазных замыканиях на землю**

**Rapov, Valeri; Järvik, Jaan** Ограничение перенапряжений и режимы заземления нейтрали сетей 6-35 кВ : труды третьей всероссийской научно-технической конференции : 28-30 сентября 2004 года 2004 / с. 160-167 : ил

## **Определение требуемого сечения проводников по длительно допускаемому току при автоматизированном проектировании электрических сетей**

**Risthein, Endel** Исследование электромагнитных и электромашинных устройств управления и контроля специального назначения 1980 / с. 43-51 : илл [https://www.ester.ee/record=b1312090\\*est](https://www.ester.ee/record=b1312090*est) <https://digikogu.taltech.ee/et/Item/e708f6e5-a186-4ef0-893e-d61558782a2b>

## **Оптимальный закон централизованного регулирования напряжения в распределительной сети**

**Sirkel, Rein; Tiigimägi, Eeli** Тезисы докладов республиканской научно-технической конференции "Состояние и проблемы электрификации сельского хозяйства Эстонской ССР в 1971-1975 гг." : 20-22 апреля 1971 г., посвященной XXIV съезду КПСС 1971 / с. 96-100 [https://www.ester.ee/record=b1409889\\*est](https://www.ester.ee/record=b1409889*est)

## **Оптимизация уставки релейной защиты по воздействующей величине**

**Möller, Kalju** Энергетические системы : сборник статей. 2 1965 / с. 95-102 [https://www.ester.ee/record=b2181997\\*est](https://www.ester.ee/record=b2181997*est)

<https://digikogu.taltech.ee/et/Item/eec6a33-a1eb-4988-b989-2f0fd4d9a796>

**Организация, планирование и управление предприятием : рабочая программа для студентов специальностей 0301 - "Электрические станции" и 0302 - "Электрические системы"**

1981 [https://www.ester.ee/record=b5295487\\*est](https://www.ester.ee/record=b5295487*est)

**Откуда мы станем в ближайшем будущем получать свою электроэнергию? [Online resource]**

**Konist, Alar** Северное побережье (Пыхьяранник) 2021 ["Откуда мы станем в ближайшем будущем получать свою электроэнергию?"](#)

**Печать схем электрических сетей на ЦВМ**

**Perkman, I.; Raesaar, Peeter; Sild, Ants** Вопросы стохастического управления режимами энергетических систем 1984 / с. 61-64 [https://www.ester.ee/record=b1522851\\*est](https://www.ester.ee/record=b1522851*est) <https://digikogu.taltech.ee/et/Item/8b301d9a-ae8-41d5-8fbc-8273e74247fb>

**Порівняння імпедансних ланок для перетворювачів з джерелом напруги**

**Husev, Oleksandr; Chub, Andrii; Vinnikov, Dmitri** Технічна електродинаміка 2015 / с. 25-32 : іл

<https://techned.org.ua/index.php/techned/article/view/926/803> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Пригласительный билет и программа симпозиума : теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью, 18-19 апреля 1989**

1989 [https://www.ester.ee/record=b5394985\\*est](https://www.ester.ee/record=b5394985*est)

**Программа анализа результатов расчета стационарного режима электрической сети**

**Raesaar, Peeter; Sild, Ants; Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1983 / с. 57-63 [https://www.ester.ee/record=b1286752\\*est](https://www.ester.ee/record=b1286752*est) <https://digikogu.taltech.ee/et/Item/b141cd1d-47a3-4711-8322-8d98db01d64a>

**Программы оптимизации конфигураций электрических сетей 35-330 кВ**

**Meldorf, Mati; Raesaar, Peeter; Seier, Gustav; Tiigimägi, Eeli; Juss, T.** Энергетические системы : сборник статей. 5 1974 / с. 71-76 [https://www.ester.ee/record=b2190662\\*est](https://www.ester.ee/record=b2190662*est) <https://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051>

**Профессор Алар Конист: такими темпами о дешевом электричестве можно забыть**

**Konist, Alar** dv.ee 2025 <https://www.dv.ee/novosti/2025/05/05/professor-alar-konist-takimi-tempami-o-deshevom-jelektrichestve-mozhno-zabyt>

**Профессор: в Эстонии есть все предпосылки для развития сланцевой энергетики**

stena.ee 2023 [Профессор: в Эстонии есть все предпосылки для развития сланцевой энергетики](#) [Парламент в качестве вопроса государственной важности обсудил плюсы и минусы "зеленого поворота"](#)

**Регулирование напряжения в сетях при помощи статического компенсатора с параметрическим регулированием**

**Kutšumov, Leonid; Tšernovets, Aleksandr; Orlov, V.; Liebkind, Mark; Järvik, Jaan** Электричество 1973 / с. 12-17

[https://www.ester.ee/record=b2160063\\*est](https://www.ester.ee/record=b2160063*est)

**Сравнение компенсаторов реактивной мощности и путей улучшения качества напряжения в сетях с дуговыми сталеплавильными печами**

**Janson, Kuno; Järvik, Jaan** Проблемы электромагнитной совместимости силовых полупроводниковых преобразователей : тезисы докладов второго межведомственного научно-технического совещания 1982 / с. 125-126

[https://www.ester.ee/record=b1309144\\*est](https://www.ester.ee/record=b1309144*est)

**Сравнение путей и методов компенсации реактивной мощности и улучшения качества напряжения в сетях с дуговыми сталеплавильными печами**

**Janson, Kuno; Järvik, Jaan** Interference v energetice : sborník přednášek [z konference poř.] ČÚV elektrotechn. společ. ČSVTS... [aj.] 31. 8.-2. 9. 1982 v Ostravě 1982 / s. 201-208

**Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть**

**Husev, Oleksandr; Vinnikov, Dmitri; Veligorsky, O.** Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 28-34 : ил

**Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть [Компьют. файл]**

**Husev, Oleksandr; Vinnikov, Dmitri; Veligorsky, O.** Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [2] с. : ил [CD-ROM]

**Стоит ли опасаться отключения от российской сети?**

dv.ee 2024 [Стоит ли опасаться отключения от российской сети?](#)

**Тезисы рабочего совещания IV секции Научного совета по теоретическим и электрофизическим проблемам**

**повышения надежности и долговечности изоляции сетей с изолированной нейтралью**

1981 [https://www.ester.ee/record=b1326763\\*est](https://www.ester.ee/record=b1326763*est)

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : пригласительный билет и программа симпозиума, 18-19 апреля 1989**

1989

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : тезисы докладов симпозиума, 18-19 апреля 1989**

1989 [https://www.ester.ee/record=b1224711\\*est](https://www.ester.ee/record=b1224711*est)

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью (симпозиум секции IV "Теоретические проблемы электрофизики высоких напряжений" Научного Совета АН СССР по комплексной проблеме "Научные основы электрофизики и электроэнергетики", апрель 1989 г., Таллинн)**

Bogatenkov, I.; Metusala, Tiit; Oidram, Rein; Halilov, F. Электричество : ежемесячный теоретический и научно-практический журнал 1989 / с. 89-92 [https://www.ester.ee/record=b2160063\\*est](https://www.ester.ee/record=b2160063*est)

**Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной нейтралью (заседание секции IV АН СССР)**

Bogatenkov, I.; Halilov, F.; Oidram, Rein Электричество : ежемесячный теоретический и научно-практический журнал 1982 / с. 74-75 [https://www.ester.ee/record=b2160063\\*est](https://www.ester.ee/record=b2160063*est)

**Учет вероятностного характера нагрузок при расчете электрических сетей методом узловых напряжений**

Tiigimägi, Eeli Энергетические системы : сборник статей. 3 1969 / с. 3-6 [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/>

**Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе**

Stepenko, Serhii Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 74-83 : ил

**Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе [Компьют. файл]**

Stepenko, Serhii Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] с. : ил [CD-ROM]

**Эксперт: отключение от российской сети? Никто даже не заметит**

Tavgen, J. dv.ee 2024 [Эксперт: отключение от российской сети? Никто даже не заметит](#)

**Эксперты сомневаются в необходимости новой высоковольтной ЛЭП между Эстонией и Латвией**

Voltri, Johannes rus.err.ee 2025 [Эксперты сомневаются в необходимости новой высоковольтной ЛЭП между Эстонией и Латвией](#)

**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)