

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 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

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), Kärda, 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

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

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

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

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), Kärda, 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 sparsley 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

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 Energies 2020 / art. 3982, 34 p <https://doi.org/10.3390/en13153982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks

2011 https://www.ester.ee/record=b2743062*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks

2023 https://www.ester.ee/record=b5548013*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks [Võrguteavik]

2015 http://www.ester.ee/record=b4512339*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks

2019 https://www.ester.ee/record=b5273602*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks

2019 https://www.ester.ee/record=b5273643*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks

2019

Avati Tallinna Tehnikaülikooli elektrivõrgu arenduslabor

Elektrala 2017 / lk. 24 http://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>

CENELEC 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 [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), Kärdla, 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

Auväär, Aivar; Rosin, Argo; Rosin, Kai; Drovtar, 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

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

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 pingele 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

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>

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>

Demand-side Flexibility in Smart Grid

Ahmadiyahangar, 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

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

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

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,

Doktoritöö : vananevat elektrivõrku annab uuendada senisest odavamalt [Võrguväljaanne]

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

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 <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

<http://dx.doi.org/10.1109/ACCESS.2017.2758523>

EcoGrid EU Bornholmi saarel - targa võrgu prototüüp

Palu, Ivo; Tuttlberg, Kaur Keskkonnatehnika 2012 / lk. 22-23 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

Eesti elektrifitseerimise esimesed arengukavad 2.

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

Eesti elektrivõrkude ajalugu

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

Eesti Energia Kuukiri : EE kuukiri

1998 https://www.ester.ee/record=b1072035*est

Eesti Energia käiduhaldussüsteem

Kangilaski, Taivo 2004 https://www.ester.ee/record=b1953730*est

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](#)"

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

Kiitam, Ivar; Taklaja, Paul; Tuttlberg, 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>

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

Electrical network load monitoring

Meldorf, Mati 2008 http://www.ester.ee/record=b2368469*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; Aro, Rein Elektriala 2021 / lk. 6-9 : portr https://www.ester.ee/record=b1240496*est

Elektri varustuskindlusest

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

Elektri võrgutasude hinnakiri ei lähtu üldisest majanduspoliitikast

Rajangu, Väino Elektriala 2020 / lk. 22-23 : portr 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

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

Elektrilevi investeeringutest ja võrgu katkestustest

Rajangu, Väino Elektriala 2015 / lk. 28

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

Elektritarkvõrgud ja virtuaalsed elektrijaamad

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

Elektrivarustuse tulevikuvisionid

Lehtla, Tõnu; Vinnal, Toomas 2015 http://www.ester.ee/record=b4511325*est

Elektrivarustuse tulevikuvisionid : [kõrgkooliõpik]

Lehtla, Tõnu; Vinnal, Toomas 2016 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/ettevottest/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

Elektrivõrgu operatiivjuhtimissüsteem

Meldorf, Mati; Tikk, Tõnis 2001 https://www.ester.ee/record=b1551361*est

Elektrivõrgud

Tiigimägi, Eeli 1997 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

Elektroenergeetika ettevõtete struktuur aastatel 1939-1951

Metusala, Tiit Elektriala 2020 / lk. 30-32 : ill 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

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

Energeetika - otsapidi üksnes taastuenergia küljes

Janson, Kuno; Kallaste, Ants; Bolgov, Viktor Horisont 2013 / lk. 30-36 : ill

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник

1996 https://www.ester.ee/record=b1072156*est

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник

1996 https://www.ester.ee/record=b1072156*est

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник

1996 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

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>

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 industrial electronics 2024 / p. 8-26 <https://doi.org/10.1109/JESTIE.2023.3343291>

Esitleti ajalooraamatut "Eesti elektrivõrkude ajalugu"

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

Estimation of 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

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

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

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/1007978-981-15-4627-3_4)

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 <https://doi.org/10.1109/TIE.2023.3337493>

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

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

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

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>

Grundlagen der Rationalisierung von Mittelspannungsnetzen

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

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 / p. 59-60 : ill 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

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>

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

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 võrkude 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 Journal metrics at Scopus Article at Scopus

Jüri Laurson : Narva põlevkivielektri jaamad tuleb kiiresti renoveerida [Võrguväljaanne]

Narva põlevkivielektri jaamad tuleb kiiresti renoveerida [Võrguväljaanne]

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

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/)"

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

Kompaktluminofoorlampide kasutuselevõtu mõju elektrivõrgule

Niitsoo, Jaan Talve Akadeemia 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

10 küsimust Eesti Energiale

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

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

Liigpingepiirikud

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

Liigpingepiirikud

Oidram, Rein; Tammoja, Heiki 2004 https://www.ester.ee/record=b2006452*est

Liigpingepiirikud

Terno, Olaf; Metusala, Tiit; Tammoja, Heiki 2004 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

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

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

Madis Mosona - 50 aastat Eesti Energias

Mosona, Madis Elektriala 2015 / lk. 10-13 : fot

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

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

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 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/i/?11198>

Naroowa weejöu kasutamise kawa

1922 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 investeeering : [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 [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>

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 [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

Optimal load dispatch in power plant under probabilistic and uncertain information

Tammoja, Heiki; Valdma, Mati; Keel, Matti WSEAS transactions on power systems 2006 / 5, p. 754-759 : ill
https://www.researchgate.net/publication/298547148_Optimal_load_dispatch_in_power_plant_under_probabilistic_information

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

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](#)

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 investeeeringute optimeerimiseks maapiirkonnas

Hõbejõgi, Tiit 2016 <https://digi.lib.ttu.ee/174123>

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

Professor: energiakriisi aitab leevendada internetilaadne elektrivõrk [Võrguväljaanne]

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

Põlevkivienergeetikale ei ole Eestis tõsist alternatiivi

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

Rahvusvaheline elektritoite kvaliteedi ja elektrivarustuskindluse konverents - PQ2012

Keskkonnatehnika 2012 / lk. 9

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

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>

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

Rohepöörde ning ringmajanduse mõjud ja võimalused?

Rosin, Argo Elektriala 2021 / lk. 8-9 : fot 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

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

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

Feldmann, Mati TööstusEST 2016 / lk. 20-23 : ill

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

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

Simplified DFT with sorted accumulation of input samples

Märtens, 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

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

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

Raesar, 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

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

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 <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

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/1007122/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

Tarkvõrk : terminoloogia = Smart grid : terminology [Võrguteavik]

2016 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!](#)

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

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/i/?11205>

The invisible front : a cyber resilience perspective

Bahsi, Hayretidin 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

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>

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

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

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 http://www.ester.ee/record=b1240496*est

Tulevasi elektriinseneri ootab ees avar tööpõld

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

Tuuletont

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

20-110 kV network development plan for Saaremaa

Ojangu, Jaanus; Kilk, 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

Type models of electrical network load

Meldorf, Mati; Kilter, Jako Oil shale 2009 / 3S, p. 243-253 : ill

Ulila elektrijaam 100

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

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 metoodika Eesti võrkudest halva elektri tõrjumiseks [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Uuring pakub metoodika Eesti võrkudest halva elektri tõrjumiseks"](https://www.ester.ee/record=b1240496*est)

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

Elektriala 2020 / lk. 23 : ill http://www.ester.ee/record=b1240496*est https://www.ester.ee/record=b5298769*est

Vergleich der Blindleistungskompensation bei der Speisung der Lichtbogenofen

Janson, Kuno; Järvik, Jaan Mezinarodni vedecka konference. Sekce 22, Elektroenergetika : sbornik prednášek / Vysoka Škola Banská - Technická Univerzita Ostrava. Fakulta Elektrotechniky a Informatiky 1995 / S. 58-67: Ill

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>

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

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/BEC49624.2020.9277253>

Võrguettevõtete struktuur ja arengukavad 1999-2021

Hamburg, Arvi; **Metusala, Tiit** Elektriala 2022 / lk. 26-28 : ill 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

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

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

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

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

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

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

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

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://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

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

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

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://digikogu.taltech.ee/et/Item/eecc6a33-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

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?"](#)

Порівняння імпедансних ланок для перетворювачів з джерелом напруги

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

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

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://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051>

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

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

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]

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

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

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

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

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://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, Алупта, Крым 2013 / [3] с. : ил [CD-ROM]

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

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

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

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