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2022 https://www.ester.ee/record=b5485873*est

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

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Kilter, Jako; Palu, Ivo; Almas, Muhammad Shoaib; Vanfretti, Luigi 2015 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference (ISGT 2015) : 18-20 February 2015, Washington, DC, USA 2015 / [5] p. : ill. [USB]
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Almas, Muhammad Shoaib; Kilter, Jako; Vanfretti, Luigi PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 103-110 : ill

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Leinakse, Madis; Kilter, Jako IET generation, transmission & distribution 2021 / p. 177-193 <https://doi.org/10.1049/gtd2.12002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Kilter, Jako; Sardar, Muhammad Usman 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p
<https://doi.org/10.1109/RTUCON62997.2024.10830846>

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Leinakse, Madis; Sarnet, Tanel; Kangro, Triin; Kilter, Jako 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. 101-105 : ill http://www.ester.ee/record=b4650094*est

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

Tealane, Marko 2023 <https://doi.org/10.23658/taltech.9/2023> <https://digikogu.taltech.ee/et/item/159731eb-e93e-4892-875f-3806cd16e64c>
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Urdal, Helge; Martinez Villanueva, Sergio; **Kilter, Jako**; Jahn, Jörg; Sprooten, Jonathan; Baranauskas, Audrius 2016 CIGRE USNC International Colloquium on Evolution of Power System Planning to Support Connection of Generation, Distributed Resources and Alternative Technologies : 02-03 November 2016, Philadelphia, USA : proceedings 2016 / p. 1-8 : ill

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

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

Guidelines for power quality monitoring : measurement locations, processing and presentation of data

Milanovic, Jovica V.; **Kilter, Jako** 2014

Harku Estlink 1 ja Kiisa AREJ-de koostöö uuring

Kilter, Jako; Sarnet, Tanel 2023

Harmonic emissions of power electronic devices under different transmission network operating conditions

Božicek, Ambrož; **Kilter, Jako; Sarnet, Tanel**; Papic, Igor; Blažis, Boštjan IEEE transactions on industry applications 2018 / p. 5216-5226 : ill <https://doi.org/10.1109/TIA.2018.2808478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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Manninen, Henri; Kilter, Jako; Landsberg, Mart IEEE transactions on power delivery 2022 / p. 50-58
<https://doi.org/10.1109/TPWRD.2021.3052721> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Asad, Bilal; Sardar, Muhammad Usman; Vaimann, Toomas; Kallaste, Ants; Asefi, Sajjad; Kilter, Jako 2024 International Conference on Diagnostics in Electrical Engineering (Dignostika) 2024 / 7 p <https://doi.org/10.1109/Dignostika61830.2024.10693906>

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Asefi, Sajjad; Kilter, Jako; Shayesteh, Ebrahim; Hilber, Patrik; Lindquist, Tommie IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863019>

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Farhizadan, Mohammadreza; Karrari, Mehdi; Gharehpetian, Gevork B.; **Ahmadihangar, Roya; Kilter, Jako; Rosin, Argo** IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 7 p.
<https://doi.org/10.1109/CPE-POWERENG54966.2022.9880881>

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Elahi, H.; **Kilter, Jako**; Ebner, G. 2015

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Leinakse, Madis; Kiristaja, Hendrik; Kilter, Jako 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-

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Impact of voltage instrument transformers on the accuracy of harmonic measurements in a 330 kV transmission grid

Meyer, Jan; Stiegler, Robert; Schegner, Peter; **Kilter, Jako** Instrument Transformer Measurement Forum (ITMF) : October 13-15, 2015, Feldkirch, Austria 2015

Impacts of large scale wind integration on the Baltic region's thermal power plant economics and electricity market in 2025 [Electronic resource]

Drovtar, Imre; Landsberg, Mart; Kilter, Jako; Rosin, Argo SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 684-689 : ill [CD-ROM]
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Asefi, Sajjad; Kilter, Jako; Landsberg, Mart 2023 27th International Conference Electronics : proceedings 2023 / 5 p
<https://doi.org/10.1109/IEEECONF58372.2023.10177602>

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Uuemaa, Priit; Drovtar, Imre; Kilter, Jako 2014 IEEE Innovative Smart Grid Technologies Conference - Asia (ISGT ASIA) Conference : May 20-23, 2014, Berjaya Times Square Hotel, Kuala Lumpur 2014 / p. 383-387 : ill

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Sarnet, Tanel; Kilter, Jako; Palu, Ivo Electrical and control technologies : proceedings of the 8th International Conference on Electrical and Control Technologies ECT-2013 : Kaunas, Lithuania, 2-3 May 2013 2013 / p. 168-171
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Kilter, Jako; Reinson, Andrus; Kraav, Rein PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 23-28 : ill

Info-gap-based optimization of microgrids integrated with power, cooling and hydrogen generation units

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

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Meldorf, Mati; Tammoja, Heiki; Treufeldt, Ülo; Kilter, Jako 2007 https://www.ester.ee/record=b2347094*est

Keskmişed jõuotafod sagedusele 50 Hz seadme suurima lubatava kestevpingega mitte üle 36 kV. Osa 1, Üldnõuded [Võrguteavik] = Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV. Part 1, General requirements

2017 http://www.ester.ee/record=b4767645*est

Kõrgepingeline lülitis- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitis- ja juhtimisaparatuuri üldliigitus [Võrguteavik] = High-voltage switchgear and controlgear. Part 1, Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017)

2017 http://www.ester.ee/record=b4768187*est

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

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

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Uuemaa, Priit; Valtin, Juhan; Kilter, Jako; Puusepp, Allan; Drovtar, Imre; Rosin, Argo 17th IEEE Mediterranean Electrotechnical Conference, Beirut, Lebanon, 13-16 April 2014 2014 / p. 213-218 : ill <https://doi.org/10.1109/MELCON.2014.6820534> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Magnetic current sensor stray components in high frequency operation and their effects

Kütt, Lauri; Järvik, Jaan; Mölder, Heigo; Kilter, Jako; Shafiq, Muhammad Conference proceedings : 2012 11th International Conference on Environment and Electrical Engineering : Venice, Italy, 18-25 May 2012 2012 / p. 617-620 : ill <https://ieeexplore.ieee.org/abstract/document/6221451>

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Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart 2024 IEEE International Conference on Power and Energy (PECon) 2024 / p. 185-190 <https://doi.org/10.1109/PECon62060.2024.10826804>

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

Modal transformation matrices for phasor measurement based line parameter estimations

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

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

Modeling and analysis of the synchronous generators excitation systems

Slenduhhov, Vadim; 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. 252-257 : ill

Modeling and analysis of voltage unbalance and its influence on transmission network and power quality

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Modelling of distribution level coreless induction furnace for rapid voltage change assessment

Trummal, Tarmo; Sarnet, Tanel; Kilter, Jako Electric power systems research 2021 / art. 107151 <https://doi.org/10.1016/j.eprsr.2021.107151> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Monitoring of electrical distribution network operation = Jaotusvõrgu talitluse seire

Kilter, Jako 2009 https://www.ester.ee/record=b2498170*est

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Kilter, Jako; Meldorf, Mati Proceedings of 4th IASME/WSEAS International Conference on Energy & Environment (EE'09) : Cambridge, UK, February 24-26, 2009 2009 / p. 263-268

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Manninen, Henri; Ramlal, Craig J.; Singh, Arvind; Kilter, Jako; Landsberg, Mart Electric power systems research 2022 / art. 107948 <https://doi.org/10.1016/j.epsr.2022.107948> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mõõtetrafod. Osa 1, Voolutrafod = Instrument transformers. Part 1, Current transformers (IEC 60044-1:1996, modified)

2010 https://www.ester.ee/record=b2646205*est

Mõõtetrafod. Osa 3, Lisanõuded induktiivpingetrafodele = Instrument transformers. Part 3, Additional requirements for inductive voltage transformers (IEC 61869-3:2011)

2012 https://www.ester.ee/record=b2896163*est

Mõõtetrafod. Osa 4, Lisanõuded ühitatud trafodele [Võrguteavik] = Instrument transformers. Part 4, Additional requirements for combined transformers (IEC 61869-4:2013)

2015 http://www.ester.ee/record=b4502348*est

National implementation challenges and support by ENTSO-E for European connection network codes

Urdal, Helge; Haesen, E.; **Kilter, Jako** 14th Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants : 20-22 October 2015, Brussels, Belgium : proceedings 2015

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

Non-intrusive defects identification for the high voltage instrument transformers

Asefi, Sajjad; Kilter, Jako; Landsberg, Mart 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227493>

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

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

Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 2, Ühendus keskpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud) [Võrguteavik] = Requirements for generating plants to be connected in parallel with distribution networks. Part 2, Connection to a MV distribution network. Generating plants up to and including Type B

2021 https://www.ester.ee/record=b5480840*est

Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 1, Ühendus madalpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud) [Võrguteavik] = Requirements for generating plants to be connected in parallel with distribution networks. Part 1, Connection to a LV distribution network. Generating plants up to and including Type B

2021 https://www.ester.ee/record=b5428205*est

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

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

Optimal introduction of a nuclear power plant in Estonia under uncertain conditions

Landsberg, Mart; Tammoja, Heiki; Kilter, Jako 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 211-216 : ill

Optimal placement of branch PMUs for specified redundancy and line observability

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Optimal reactive power control in a multi-machine thermal power plant

Trummal, Tarmo; Andreesen, Guido; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 <https://doi.org/10.1109/EPE51172.2020.9269239>

Out-of-step protection based on discrete angle derivatives

Tealane, Marko; Kilter, Jako; Bagleybter, Oleg; Heimisson, Birkir; Popov, Marjan IEEE Access 2022 / p. 78290-78305
<https://doi.org/10.1109/ACCESS.2022.3193390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Pingemuunduritega alalisvoolusüsteemide terminoloogia [Võrguteavik] = Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014+IEC 62747:2014/A1:2019)

2020 https://www.ester.ee/record=b5352701*est

Possibilities and analysis of integration of large-scale offshore wind parks into Estonian power system

Kilter, Jako; Tšernobrovkin, Oleg; Landsberg, Mart; Agabus, Hannes; Palu, Ivo 8th International Workshop on Large Scale Integration of Wind Power and on Transmission Networks for Offshore Wind Farms : Bremen, Germany, 14-15 October, 2009 2009 / p. 624-629

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

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

Preliminary study on comparative load modelling in PSS/E and PSCAD

Leinakse, Madis; Kapp, Henry; Kilter, Jako 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 197-199 : ill
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Presentation of the European project MIGRATE

Grasset, H.; Popov, M.; Zargar, B.; **Kilter, Jako** Eight Protection, Automation and Control (PAC) World Conference : Wroclaw, Poland, 27-29 June 2017 2017 / p. THA05, [6] p

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Leinakse, Madis; Kilter, Jako 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISGTEurope52324.2021.9640026>

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Sarnet, Tanel; Kilter, Jako 2023

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Kilter, Jako; Sarnet, Tanel 2023

Purtse hybrid power plant PSCAD and PSS/E models

Kilter, Jako; Sarnet, Tanel 2023

Puust ja punaseks: mida Venemaa sagedusalast lahkumine tähendab?

Piir, Rait novaator.err.ee 2025 [Puust ja punaseks: mida Venemaa sagedusalast lahkumine tähendab?](#)

Quantification of corona discharge intensity applied to sphere-plane configurations

Gupta, Pradeep Kumar; Ruiz, Jordi-Roger Riba; Tuttelberg, Kaur; Kilter, Jako IEEE Transactions on Dielectrics and Electrical Insulation 2025 <https://doi.org/10.1109/TDEI.2025.3562196>

Rahvusvaheline elektrotehnika sõnastik. Osa 321, Mõõtetrafod [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 321, Instrument transformers (IEC 60050-321:1986)

2017 http://www.ester.ee/record=b4770371*est

Rahvusvaheline elektrotehnika sõnastik. Osa 421, Jõutrafod ja reaktorid [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 421, Power transformers and reactors (IEC 60050-421:1990) / Eesti Standardikeskus

2017 http://www.ester.ee/record=b4751512*est

Rahvusvaheline elektrotehnika sõnastik. Osa 436, Jõukondensaatorid [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 436, Power capacitors (IEC 60050-436:1990)

2017 http://www.ester.ee/record=b4770422*est

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

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

Rahvusvaheline elektrotehnika sõnastik. Osa 614, Elektri tootmine, ülekandmine ja jaotamine. Käit [Võrguteavik] = International Electrotechnical Vocabulary (IEV). Chapter 614, Generation, transmission and distribution of electricity. Operation (IEC 60050-614:2016)

2017 http://www.ester.ee/record=b4751531*est

Ramping behaviour analysis of wind farms

Mishra, Sambheet; Leinakse, Madis; Palu, Ivo; Kilter, Jako 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 12-15 June 2018 : conference proceedings 2018 / 5 p.: ill <https://doi.org/10.1109/EEEIC.2018.8493720>

Ratio of load curtailment based detection of the maximum risk of substation devices

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