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A holistic D-PMU optimal placement framework considering pragmatic constraints in smart grids

Farhizadan, Mohammadreza; Karrari, Mehdi; Gharehpetian, Gevorg 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>

A holistic risk-based maintenance methodology for transmission overhead lines using tower specific health indices and value of loss load

Manninen, Henri; Kilter, Jako; Landsberg, Mart International journal of electrical power and energy systems 2022 / art. 107767 ; 11 p. : ill <https://doi.org/10.1016/j.ijepes.2021.107767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

HVDC connection of offshore wind power plants

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

Identification of intra-day variations of static load characteristics based on measurements in high-voltage transmission network

Leinakse, Madis; Kiristaja, Hendrik; 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.2018.8571712>

Impact of distributed generation on estimation of exponential load models

Leinakse, Madis; Tani, Pärtel; Kilter, Jako 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 5 p. : ill

<https://doi.org/10.1109/PESGM40551.2019.8974014>

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]

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

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

Industrial CHP optimal management in the energy market under incomplete information

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

Influence of electric railway system on voltage unbalance distribution between high voltage and low voltage electrical networks

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

Influence of system protection to Estonian power system security

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

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

Mahmoudnezhad, Fayeze; Mirzaei, Mohammad Amin; **Plaum, Freddy; Ahmadiyahangar, Roya; Kilter, Jako; Rosin, Argo** 2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 7 I
<https://doi.org/10.1109/CPE-POWERENG54966.2022.9880860>

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

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

Jaotusvõrgud

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

Keskmised jõutrafod 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 lülitus- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitus- 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

Large-scale wind integration impact on the Baltic region's electricity market participants in 2025 - with and without RES subsidies

Drovtar, Imre; Landsberg, Mart; **Kilter, Jako; Rosin, Argo** 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. 117-121 : ill

Load control implementation in the energy intensive industry

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

Madalpingevõrkudes kasutatavate seadmete isolatsiooni koordinaatsioon. Osa 3, Ühe- ja kahepoolsete pinnakatete ning kompaundivormide kasutamine saastekaitseks = Insulation coordination for equipment within low-voltage systems. Part 3, Use of coating, potting or moulding for protection against pollution (IEC 60664-3:2003/A1:2010)

2011 https://www.ester.ee/record=b2743110*est

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

Measurement and operation based condition monitoring methodology for high voltage circuit breakers

Asefi, Sajjad; Andreessen, Guido; Leinakse, Madis; Kilter, Jako; Kalmet, Tauri; Manninen, Henri; Landsberg, Mart 2022 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : proceedings 2022 / Art. 184786
<https://doi.org/10.1109/ISGT-Europe54678.2022.9960521>

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

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

Modal transformation matrices for phasor measurement based line parameter estimations

Tuttelberg, Kaur; Kilter, Jako International Conference on Power Systems Transients (IPST 2015) : 15th-18th of June 2015, Cavtat, Croatia 2015 / [6] p. : ill

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

Sarnet, Tanel; Kilter, Jako Electrical and Control Technologies : proceedings of the the 7th International Conference on Electrical and Control Technologies ECT-2012 2012 / p. 179-182 : ill

Modelling and estimation of distribution network operation

Kilter, Jako; Meldorf, Mati Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 103-108 : ill

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.epsr.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

Monitoring of the distribution network operation

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

Multi-stage deep learning networks for automated assessment of electricity transmission infrastructure using fly-by images

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

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>

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

Tuttelberg, Kaur; Kilter, Jako 2015 IEEE Power & Energy Society General Meeting (PESGM 2015) : Denver, CO, USA, July 26-30, 2015 2015 / [5] p. : ill <http://dx.doi.org/10.1109/PESGM.2015.7286453>

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 http://ise.elnet.ee/record=b2950110~S2*est

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

Processing and filtering digital fault recorder events for load model estimation

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>

Purtse hybrid power plant common plant controller algorithm

Sarnet, Tanel; Kilter, Jako 2023

Purtse hybrid power plant connection studies and Grid Code compliance assessment

Kilter, Jako; Sarnet, Tanel 2023

Purtse hybrid power plant PSCAD and PSS/E models

Kilter, Jako; Sarnet, Tanel 2023

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, Sambeet; 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

Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/ISGTEUROPE56780.2023.10408265>

Reaktiivenergia tarbimise analüüs Tallinna Tehnikaülikooli hoonetes [Elektroniline publikatsioon]

Kangro, Triin; Kilter, Jako; Palu, Ivo 2015

Real-time estimation of transmission losses from PMU measurements

Tuttelberg, Kaur; Kilter, Jako IEEE PowerTech 2015 : Eindhoven, Holland, 29 June-02 July, 2015 2015 / [5] p. : ill <http://dx.doi.org/10.1109/PTC.2015.7232313>

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

Tealane, Marko; Kilter, Jako; Pill, Krister 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISGTEurope52324.2021.9640178>

Residential load harmonics in distribution grid

Niitsoo, Jaan; Palu, Ivo; Kilter, Jako; Taklaja, Paul; Vaimann, Toomas The 3rd International Conference on Electric Power and Energy Conversion Systems (EPECS 2013) : [proceedings] 2013 / p. 1-6 : ill

Short-circuit wave transient measurements in HV power network

Kütt, Lauri; Kilter, Jako; Palu, Ivo 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 37-41 : ill

Short-term PV energy generation forecasting using deep learning

Shabbir, Noman; Ahmadiyahangar, Roya; Rosin, Argo; Astapov, Victor; Kilter, Jako Telematique 2022
<https://www.provinciajournal.com/index.php/telematique/article/view/813>

Simulation models for power-quality studies in power-electronics rich power networks : Deliverable 5.2 [Online resource]

Božiček, Ambrož; Blažič, Boštjan; Špelko, Aljaž; Sarnet, Tanel; Löper, Mari; Kilter, Jako 2017 [Deliverable 5.2](#)

Smooth coordination and management of impact of EstLink 2 transmission testing on electricity markets, power system operations and system technical performance

Rauhala, T.; Laasonen, M.; Kilter, Jako CIGRE Session 2016 : 21-26 August 2016, Paris, France 2016 / p. 1-11

Solutions and active measures for wind power integration

Rosin, Argo; Drovtar, Imre; Kilter, Jako Large scale grid integration of renewable energy sources 2017 / p. 87-129 : ill
<http://dx.doi.org/10.1049/PBPO098E>

State estimation technique for distribution networks

Meldorf, Mati; Treufeldt, Ülo; Kilter, Jako PowerTech Conference proceedings : 27-30 June 2005, St.Petersburg 2005 / Paper 374, [5] p

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>

Targale wind farm connection studies and Grid Code compliance assessment

Sarnet, Tanel; Kilter, Jako 2022

Tehnikaülikooli elektriala tudengid on Eesti parimad

Vaimann, Toomas; Kilter, Jako Elektriala 2021 / lk. 6-8 : ill https://www.ester.ee/record=b1240496*est

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

Testing of PMU-based transmission loss monitoring application

Löper, Mari; Tuttelberg, Kaur; 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. 121-124 : ill
http://www.ester.ee/record=b4650094*est

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>

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

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

Toward automated utility pole condition monitoring : a deep learning approach

Ramlal, Craig J.; Singh, Arvind; Rocke, Sean; Manninen, Henri; Kilter, Jako; Landsberg, Mart Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 255-259 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248797>

Toward automatic condition assessment of high-voltage transmission infrastructure using deep learning techniques

Manninen, Henri; Ramlal, Craig J.; Singh, Arvind; Rocke, Sean; Kilter, Jako; Landsberg, Mart International journal of electrical power & energy systems 2021 / art. 106726 <https://doi.org/10.1016/j.ijepes.2020.106726> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tugevvoolupaigaldised nimivahelduvpingega üle 1 kV. Osa 1, Üldnõuded = Power installations exceeding 1 kV a.c. Part 1, Common rules (IEC 61936-1:2010, modified)

2011 https://www.ester.ee/record=b4279531*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

Uncertainty propagation in PMU-based transmission line monitoring

Tuttelberg, Kaur; Kilter, Jako IET generation, transmission & distribution 2018 / p. 745-755 : ill <https://doi.org/10.1049/iet-gtd.2017.0244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Uuenenud nõuded õhuliinidele. Standard EVS-EN 50341-2-20:2018

Kilter, Jako; Metusala, Tiit; Raesaar, Peeter Elektriala 2019 / lk. 22-23 : ill http://www.ester.ee/record=b1240496*est

Validation of full-converter wind power plant generic model based on actual fault ride-through measurements

Tšernobrovkin, Oleg; Perdana, Abram; Palu, Ivo; Kilter, Jako Journal of energy and power engineering 2010 / 4, p. 54-62

Variability of high voltage circuit breaker performance parameters for condition monitoring

Asefi, Sajjad; Kiitam, Ivar; Manninen, Henri; Kilter, Jako; Tealane, Marko; Landsberg, Mart International Conference on Condition Monitoring, Diagnosis and Maintenance 2023 - CMDM 2023 (7th edition), Bucharest, Romania, October 31th - November 2nd, 2023 : proceedings 2023 / p. 1-10

Weather dependency of corona losses on 330 kV overhead transmission lines

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

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

Tšernobrovkin, Oleg; Perdana, Abram; Palu, Ivo; Kilter, Jako Proceedings of 5th Nordic Wind Power Conference 2009 2009 / [6] p

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

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

Wide-Area applications for enhancement of Estonian power system security

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

Wind park and transmission network cooperation considering Grid Code requirements

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Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine = Earthing of power installations exceeding 1 kV a.c.

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XgBoost based short-term electrical load forecasting considering trends & periodicity in historical data

Shabbir, Noman; Ahmadiyahangar, Roya; Rosin, Argo; Jawad, Muhammad; Kilter, Jako; Martins, Joao 2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG) 2023 / 6 p <https://doi.org/10.1109/ETFG55873.2023.10407926>