

Accuracy of voltage instrument transformers for harmonic measurements in Elering's 330-kV-transmission network

Meyer, Jan; Stiegler, Robert; **Kilter, Jako** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 85-90 : ill
<https://doi.org/10.1109/PQ.2016.7724094>

Active power losses in Estonian power transmission network

Ainsaar, Karin Maria; Ülavere, Eero; Tammoja, Heiki; Valtin, Juhan 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. 112-117 : ill

An exact solution of truss vibration problems

Lahe, Andres; Braunbrück, Andres; Klauson, Aleksander Proceedings of the Estonian Academy of Sciences 2019 / p. 244-263 : ill <https://doi.org/10.3176/proc.2019.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis and optimization of the provision of reactive power by nanogrids in a low voltage network

Helguero Cruz, Jorge Luis 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 155-156
https://www.ester.ee/record=b5291755*est <https://www.digar.ee/viewer/en/nlib-digar:425642/361332/page/201>

Andmete- ja andmesidekvaliteedi suurendamine faasimõõteseadmete (PMU) lisamisega Eesti ülekandevõrgu alajaamadesse

Kilter, Jako; Leinakse, Madis 2022

Assessment of higher harmonics influence to PMU measurement accuracy

Löper, Mari; Salumäe, Uku; Kilter, Jako 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : Torino, Italy 26-29 September 2017 : Conference Proceedings 2017 / 6 p. : ill <https://doi.org/10.1109/ISGTEurope.2017.8260271>

Continuous monitoring of power system inertia and transmission loss components using synchronized phasor measurements = Elektrisüsteemi inertsi ja ülekandekadude komponentide pidev jälgimine faasimõõtmiste abil

Tuttelberg, Kaur 2018 <https://digi.lib.ttu.ee/i/210732>

Correcting systematic errors in corona losses measured with phasor measurement units

Tuttelberg, Kaur; Löper, Mari; Kilter, Jako IEEE transactions on power delivery 2019 / p. 2275-2277 : ill
<https://doi.org/10.1109/TPWRD.2019.2917610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Critical PQ phenomena and sources of PQ disturbances in PE rich power systems : Deliverable 5.1 [Online resource]

Kilter, Jako; Löper, Mari; Kangro, Triin; Palu, Ivo 2016 [Deliverable 5.1](#)

Doktoritöö : vananevaid elektrisüsteeme ei peaks enam endisel viisil uuendama

Kõik ärikinnisarvast : [ajalehe Äripäev lisa] 2022 / Lk. 24 https://www.ester.ee/record=b5223461*est
<https://www.aripeev.ee/lisa/2022/04/07/koik-arikinnisarvast-07042022>

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 I etapi lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Leinakse, Madis; Salumäe, Uku; Sarnet, Tanel; Meldorf, Mati; Kilter, Jako; Reinson, Andrus; Drovtar, Imre 2015
http://elering.ee/public/Infokeskus/Uuringud/Koormuste_karakteristikud.pdf

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 II etapi lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Meldorf, Mati; Leinakse, Madis; Sarnet, Tanel; Salumäe, Uku; Kilter, Jako; Krusell, Kaur; Reinson, Andrus; Matjas, Ilja 2016
<https://elering.ee/sites/default/files/attachments/Eesti%20elektris%C3%BCsteemi%20%C3%BClekandev%C3%B5rgu%20koormuste%20staatiliseld%20ja%20d%C3%BCnaamilised%20karakteristikud%202.etapp%202016.pdf>

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 / Lep 15066 lõpparuanne [Võrguteavik]

Treufeldt, Ülo; Meldorf, Mati; Leinakse, Madis; Sarnet, Tanel; Salumäe, Uku; Kilter, Jako; Krusell, Kaur; Reinson, Andrus; Matjas, Ilja 2017 [Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud](#)

Elektrituulikud. Osa 21, Elektrivõrguga ühendatud elektrituulikute elektri kvaliteedi näitajate mõõtmine ja hindamine = Wind turbines. Part 21, Measurement and assessment of power quality characteristics of grid connected wind turbines (IEC 61400-21:2008)

2010 https://www.ester.ee/record=b4274376*est

Estimation and conversion of static load models of aggregated transmission system loads = Ülekandevõrgu sõlmekoormuste staatiliste koormusmodelite määramine ja teisendamine

Leinakse, Madis 2022 <https://doi.org/10.23658/taltech.3/2022> <https://digikogu.taltech.ee/et/Item/f179e30b-3265-4cc4-94d5-29750f3e9bfb>
https://www.ester.ee/record=b5491230*est

Estimation of transmission loss components from phasor measurements

Tuttelberg, Kaur; Kilter, Jako International journal of electrical power & energy systems 2018 / p. 62-71 : ill
<https://doi.org/10.1016/j.ijepes.2017.11.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EstLink 1 ja EstLink 2 : sarnased või sootuks erinevad elektriühendused Soomega?

Haug, Reigo; **Kilter, Jako** Inseneeria 2014 / lk. 34-35 https://artiklid.elnet.ee/record=b2664996*est

Feed-forward neural networks for smooth operation of the high-voltage power transmission network

Kangilaski, Taivo Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 4, 223-247 : ill

First results on load model estimation using digital fault recorder measurements

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

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](#)

High power saturable reactors for AC power transmission lines

Järvi, Jaan; Tellinen, Juhan Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 243-263

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

Integration of long transmission lines in large-scale DQ0 dynamic models

Belikov, Juri; Levron, Yoash Electrical Engineering 2018 / p. 1219–1228 <https://doi.org/10.1007/s00202-017-0582-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Large-scale integration of wind energy into the power system considering the uncertainty information = Elektrituulikute integreerimine energiasüsteemi arvestades informatsiooni mittetäielikkust

Agabus, Hannes 2009 http://www.ester.ee/record=b2508634*est

Measurement and data communication technology for the implementation in Estonian transmission network = Mõõte- ja andmesidetehnoloogia uurimine ja rakendamine Eesti kõrgepinge ülekandevõrgus

Mets, Igor 2013 https://www.ester.ee/record=b3046254*est

Overview of advanced functionalities for residential photovoltaic inverter connected to the grid

Makovenko, Elena; Husev, Oleksandr; Romero-Cadaval, Enrique 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. 99-102 : ill http://ise.elnet.ee/record=b2950024~S2*est

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

Raudteealased rakendused. Püsipaigaldised. Elektertranspordi kontaktliinid

Pettai, Elmo 2009 https://www.ester.ee/record=b2529094*est

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>

110 kV õhuliinide isolatsiooni töökindluse analüüs ja töökindluse tõstmise meetodid = The study of 110 kV power grid reliability and the measures to decrease insulation failure

Taklaja, Paul 2012 http://www.ester.ee/record=b2857612*est

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

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>

The study of discharge characteristics of medium voltage overhead line insulators
Taklaja, Paul; Annus, Aleksander; Oidram, Rein 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 24-27 : ill

Vananevaid elektisüsteeme saaks senisest mõistlikumalt uuendada
Mente et Manu 2022 / lk. 44-45 : fot https://www.ester.ee/record=b1242496*est

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](#)

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

Модель межсоединений/линии передачи на базе ВТСП
Orro, S.; **Rang, Toomas** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 103-108

Ожидаемые технико-экономические показатели управляемых и насыщающихся реакторов для ЛЭП сверхвысокого напряжения
Sepping, Eino; Tellinen, Juhan; Järvik, Jaan Тезисы докладов конференции по теме "Шунтирующие и компенсирующие реакторы высокого напряжения" 1984 / с. 18-19

Управляемые и насыщающиеся реакторы для ЛЭП сверхвысокого напряжения
Sepping, Eino; Tellinen, Juhan; Nešatajev, Vassili; Järvik, Jaan Управляемые электропередачи 1986 / с. 82-92
https://www.ester.ee/record=b2928126*est