

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

Assessment of synchronous generator's influence on transmission network with significant level of voltage unbalance

Sarnet, Tanel; Kilter, Jako Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 11-14 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/2796>

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

Eesti elektrisüsteemi laiseiresüsteemi arendamine ja analüüs (WAMPAC) : uurimustöö 1.1-4/13/232 / Lep13118 I etapi aruanne [Võrguväljaanne]

Palu, Ivo; Valdma, Mati; Meldorf, Mati; Keel, Matti; Šuvalova, Jelena; Šlenduhoov, Vadim; Kangro, Triin; Vaino, Sander; Sarnet, Tanel; Kilter, Jako; Ülavere, Eero; Reinson, Andrus 2014

Eesti elektrisüsteemi laiseiresüsteemi arendamine ja analüüs (WAMPAC) : uurimustöö 1.1-4/13/232 / Lep13118 II etapi aruanne [Võrguväljaanne]

Palu, Ivo; Meldorf, Mati; Šuvalova, Jelena; Liiv, Innar; Tuttelberg, Kaur; Kangro, Triin; Astapov, Victor; Sarnet, Tanel; Šlenduhoov, Vadim; Kilter, Jako; Ülavere, Eero; Reinson, Andrus 2014

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 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](#)

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%20staatilised%20ja%20d%C3%BCnaamilised%20karakteristikud%202.etapp%202016.pdf>

Elektriraudtee ja selle mõjud elektrisüsteemi talitlusele

Kilter, Jako; Kangro, Triin; Sarnet, Tanel; Palu, Ivo 2015 https://www.ester.ee/record=b4495599*est

Enefit oil factory (Enefit 280 and Enefit 280-2) plant controller algorithm

Sarnet, Tanel; Kilter, Jako 2022

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

A Gramian-based tool for modeling converter-dominated power systems

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>

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](#)

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
https://www.researchgate.net/publication/290247556_Influence_of_electric_railway_system_on_voltage_unbalance_distribution_between_high_v

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 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

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](#)

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

Reaktiivvõimsuse kompenseerimine Eesti elektrisüsteemis : Lep 17056 lõpparuanne [Võrguteavik]

Palu, Ivo; Leinakse, Madis; Treufeldt, Ülo; Meldorf, Mati; Sarnet, Tanel; Šuvalova, Jelena; Kull, Karl; Salumäe, Uku; Avingu, Annemai; Trummal, Tarmo 2017

https://elering.ee/sites/default/files/attachments/20180220_reaktiiv%C3%B5imsuse_aruanne_v2_Limited.pdf

https://issuu.com/Elering/docs/20180220_reaktiiv_imsuse_aruanne

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](#)

Targale wind farm connection studies and Grid Code compliance assessment

Sarnet, Tanel; Kilter, Jako 2022