

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

Kilter, Jako; Leinakse, Madis 2022

**Balti LFC ploki vajalike sageduse hoidmise ja taastamise reserve dimensioneerimine suurenenud taastuenergiaallikate lisandumise korral**

Leinakse, Madis; Kilter, Jako 2023

**Capacitor coupled voltage transformer defect identification in the presence of tap changer**

Asefi, Sajjad; 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/isgteurope56780.2023.10408138>

**Clustering of Transmission System Loads Based on Monthly Load Class Energy Consumptions**

Leinakse, Madis; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 / 6 p. : ill <https://doi.org/10.1109/EPE51172.2020.9269197>

**Conversion error of exponential to second order polynomial ZIP load model conversion**

Leinakse, Madis; 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 / p. 1-5 <https://doi.org/10.1109/EEEIC.2018.8493667>

**Conversion error of second order polynomial ZIP to exponential load model conversion**

Leinakse, Madis; Kilter, Jako Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2018) : Dubrovnik, Croatia, 12-15 November 2018 2018 / 5 p <https://doi.org/10.1049/cp.2018.1882>

**Cost-efficient improvement of power system's reliability within limited funds**

Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p <https://doi.org/10.1109/RTUCON62997.2024.10830808>

**Determining cost-efficient sequence of condition inspection based on estimated condition data**

Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863436>

**Development of a Substation Risk-Based Asset Management Decision-Making Process in the Case of Insufficient Information = Alajaama riskipõhise varahalduse otsustusprotsessi arendamine ebapiisava sisendteabe tingimustes**

Andreesen, Guido 2025 [https://www.ester.ee/record=b5754736\\*est](https://www.ester.ee/record=b5754736*est) <https://digikogu.taltech.ee/et/Item/49e349b9-c62b-4a9e-af14-5c8408e54028> <https://doi.org/10.23658/taltech.52/2025>

**Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöö 1.1-4/2015/227 /**

Lep 15066 I etapi lõpparuanne [Võrguteavik]

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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]

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**Elektrisüsteemi arvutamise alused reaalajasimulatsioonide raamistikus : harjutused**

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

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**Estimation of exponential and ZIP load model of aggregated load with distributed generation**

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**Exponential to ZIP and ZIP to exponential load model conversion : methods and error**

**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](#)

**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.eester.ee/record=b4650094\\*est](http://www.eester.ee/record=b4650094*est)

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

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**Impact of distributed generation on estimation of exponential load models**

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**Maximum risk calculation process for individual substation equipment in primary side**

**Andreesen, Guido; Leinakse, Madis; Kilter, Jako; Landsberg, Mart** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863055>

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

**Asefi, Sajjad; Andreesen, 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>

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**Modelling aggregated load with distributed generation by exponential load model**

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

**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>

**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>

**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\\_reaktiivv%C3%B5imsuse\\_aruanne\\_v2\\_Limited.pdf](https://elering.ee/sites/default/files/attachments/20180220_reaktiivv%C3%B5imsuse_aruanne_v2_Limited.pdf)  
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**Review of high voltage instrument transformer condition monitoring**

**Asefi, Sajjad; Asad, Bilal; Leinakse, Madis; Manninen, Henri; Kilter, Jako; Vaimann, Toomas; Kallaste, Ants; Tealane, Marko;**

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#### **Thoughts on conversion of static load models**

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#### **Virtual power plants and integrated energy system : current status and future prospects**

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