

About possibilities to integrate wind farms into Estonian power system

Liik, Olev; Landsberg, Mart; Oidram, Rein Proceedings of Fourth International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms, 20-21 October, 2003, Billund, Denmark. Session 6a. 3 2003 / [10] p

Advanced condition monitoring method for high voltage overhead lines based on visual inspection

Manninen, Henri; Kilter, Jako; Landsberg, Mart 2018 IEEE Power & Energy Society General Meeting (PESGM 2018) : Portland, Oregon, USA, 5-10 August 2018 / p. 2321-2325 : ill <https://doi.org/10.1109/PESGM.2018.8586498>

Advanced methodology for estimation of value of lost load (VOLL) using equipment specific health indices

Manninen, Henri; Kilter, Jako; Landsberg, Mart 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p <https://doi.org/10.1109/PQ.2019.8818245>

Analysis of possibilities to integrate wind turbines into Estonian power system

Liik, Olev; Landsberg, Mart; Oidram, Rein Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2003 / p. 196-203

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>

Capacitor coupled voltage transformer inaccuracy effect on circuit breaker operation

Asefi, Sajjad; Andreesen, Guido; Kilter, Jako; Landsberg, Mart 2023 23rd International Scientific Conference on Electric Power Engineering (EPE) 2023 / 5 p <https://doi.org/10.1109/EPE58302.2023.10149279>

CO2 emission reduction options for Estonia

Landsberg, Mart; Agabus, Hannes; Liik, Olev 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 112-119 : ill

CO2 emission reduction options for Estonia

Landsberg, Mart; Agabus, Hannes Tarptautines konferencijas Elektros ir valdymo technologijos - 2006 : pranešimu medžiaga = Proceedings of International Conference Electrical and Control Technologies - 2006 2006 / p. 405-410 : ill

Co-operation of Estonia's oil shale based power system with wind turbines

Liik, Olev; Oidram, Rein; Keel, Matti; Ojangu, Jaanus; Landsberg, Mart; Dorovatovski, Nikolai Oil shale 2005 / 2S, p. 127-142 : ill https://artiklid.elnet.ee/record=b2346707*est

Co-operation of wind generators with fossil power plants : problems and gains

Liik, Olev; Oidram, Rein; Keel, Matti; Landsberg, Mart Proc. of Nord Wind Power Conference : Cothenburg, 2004 2004 / [6] p

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>

Data-driven asset management and condition assessment methodology for transmission overhead lines =

Ülekandevõrgu õhuliinide andmepõhine varahalduse ja seisundi hindamise metoodika

Manninen, Henri 2022 <https://doi.org/10.23658/taltech.4/2022> <https://digikogu.taltech.ee/et/Item/b0c60eaf-b740-4df5-bead-0dd793d5e6c8> https://www.ester.ee/record=b5491207*est

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://digikogu.taltech.ee/et/Item/49e349b9-c62b-4a9e-af14-5c8408e54028> <https://doi.org/10.23658/taltech.52/2025>

Economic impact of renewable electricity generation on the Baltic region's electricity market

Drovtar, Imre; Landsberg, Mart; Kilter, Jako; Rosin, Argo Przegląd elektrotechniczny = Electrical review 2012 / p. 161-165 : ill https://www.academia.edu/80501050/Economic_impact_of_renewable_electricity_generation_on_the_Baltic_regions_electricity_market

Economics of renewable generation in Estonian electricity market

Knõš, Izabella; Landsberg, Mart; Valtin, Juhan 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 103-109 : ill

Eesti elektri hind kujuneb tarbimise, mitte pelgalt tootmise järgi

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/eesti-elektrihind-kujuneb-tarbimise-mitte-pelgalt-tootmise-jargi/>

Estonian energy system and emissions modelling using markal model

Esop, Markko-Raul; Liik, Olev; Valdma, Mati; Landsberg, Mart Economics of greenhouse gas limitations : country study series : Estonia 1999 / p. 127-168: ill

Estonia's fourth national communication : under the UN framework convention on climate change : Estonia, November 2005

2005 https://www.ester.ee/record=b4222739*est

Euroopa kobab pimeduses: miks kadus Lõuna-Euroopas ootamatult elekter?

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

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> https://www.ester.ee/record=b5542953*est

Health index prediction of overhead transmission lines : a machine learning approach

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

Hispaania stsenaarium: miks elektrisüsteemid ootamatult kustuivad

Landsberg, Mart postimees.ee 2025 <https://tehnika.postimees.ee/8239729/eksperdi-ulevaade-hispaania-stsenaarium-miks-elektrisusteemid-ootamatult-kustuivad>

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

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] https://www.researchgate.net/publication/261155311_Impacts_of_large_scale_wind_integration_on_the_baltic_region's_thermal_power_plant_economics_and_electricity_market_in_2025

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>

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

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

Long-term capacity planning and feasibility of nuclear power in Estonia under uncertain conditions = Pikaajaline elektritootmisvõimsuste planeerimine ja tuumaelektrijaama tasuvus Eestis määramatuse tingimustes

Landsberg, Mart 2008 https://www.ester.ee/record=b2449421*est

Mart Landsberg: ei ole probleeme, on väljakutsed ja on lahendused, mida koos leiame

Landsberg, Mart toostusest.ee 2024 [Mart Landsberg: ei ole probleeme, on väljakutsed ja on lahendused, mida koos leiame](#)

Mart Landsberg: "Olen üsna kindel, et poole sajandi jooksul toimub energeetikas väga oluline tehnoloogiline läbimurre."

Landsberg, Mart Elektriala 2025 / lk. 46-51 https://www.ester.ee/record=b1240496*est

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>

Meid valitsevad juhutarkus ja juhuelekter

Rosin, Argo; Landsberg, Mart postimees.ee 2025 [Meid valitsevad juhutarkus ja juhuelekter](#)

Methodology for forecasting the cost of substation asset management in upcoming future

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>

Mitigation analysis for Estonia

Martins, Ants; Landsberg, Mart; Liik, Olev Global climate change mitigation assessment : results for 14 transitioning and developing countries 1997 / p. 59-73

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](#)

A new method for estimation of fuel savings by wind energy and its impact on powersystem planning [Electronic resource]

Liik, Olev; Oidram, Rein; Keel, Matti; Landsberg, Mart Proceedings of Power-Gen Europe 2004 : 25-27 May 2004, Barcelona, Spain 2004 / paper 357, [18] p. [CD-ROM]

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>

Onninen Energiapäev 2025 - pilguheit energiatulevikku

Elektriala 2025 / lk. 8-9 : fot https://www.ester.ee/record=b1240496*est

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 Investment strategies for energy sector under uncertainty

Landsberg, Mart; Agabus, Hannes; Liik, Olev 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 120-127 : ill

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

Possibilities to develop the use of renewable energy and co-generation in Saaremaa

Landsberg, Mart; Agabus, Hannes; Liik, Olev 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 113-118 : ill., map

Possibilities to develop the use of wind energy in Saaremaa island

Liik, Olev; Landsberg, Mart; Ojangu, Jaanus; Kilk, Kalle; Agabus, Hannes Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2005 / p. 86-93 : ill

Problems related to grid connection in Pakri Wind Park

Oidram, Rein; Landsberg, Mart; Agabus, Hannes; Attikas, Raivo; Ojangu, Jaanus; Palu, Ivo Nordic Wind Power Conference - NWPC'2006 : Grid Integration and Electrical Systems of Wind Turbines and Wind Farms : 22-23 May 2006, Hanasaari, Espoo, Finland 2006 / [4] p. : ill

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>

Reduction of CO2 emissions in Estonia during 2000-2030

Agabus, Hannes; Landsberg, Mart; Tammoja, Heiki Oil shale 2007 / p. 209-224 : ill

https://www.researchgate.net/publication/228625117_Reduction_of_C_O_sub_2_emissions_in_Estonia_during_2000-2030

Review of high voltage instrument transformer condition monitoring

Asefi, Sajjad; Asad, Bilal; Leinakse, Madis; Manninen, Henri; Kilter, Jako; Vaimann, Toomas; Kallaste, Ants; Tealane, Marko; Landsberg, Mart IEEE Transactions on Dielectrics and Electrical Insulation 2024 / p. 3331-3341

<https://doi.org/10.1109/TDEI.2024.3422260> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some scenarios of CO2 emissions from the energy system

Liik, Olev; Landsberg, Mart Estonia in the system of global climate change 1996 / p. 190-206: ill

Taastuvenergia võimalused Eestis ja Saaremaal : [slaidiettekanne]

Landsberg, Mart; Agabus, Hannes; Liik, Olev Ühisseminar "Tallinna Tehnikaülikoolilt ettevõtlusele" : 18. jaanuaril 2005 SPA hotellis Meri [Kuressaares : ettekannete mapp] 2005 / 5 l. : ill

TalTechi kõige popim eriala on elektroenergeetika ja mehhatroonika

Elektriala 2025 / lk. 7 : fot https://www.ester.ee/record=b1240496*est

The challenges for fossil fuel power system associated with integration of large scale renewable generation

Knõš, Izabella; Landsberg, Mart; Valtin, Juhan Proceedings of the 2014 International Conference & Utility Exhibition on Green Energy for Sustainable Development (ICUE) : Jomtien Palm Beach Hotel and Resort, Pattaya City, Thailand 19-21 March 2014 2014 / [8 p] <https://ieeexplore.ieee.org/document/6828891>

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](#)

Uued inimesed ja positsioonid

Riivits-Arkonsuo, Iivi; Wahl, Mike Franz; Kisel, Einari; Sulakatko, Sirja; Landsberg, Mart; Sarkar, Aditi; Raadik, Heiki Mente et Manu 2024 / lk. 45-49 : fot https://www.ester.ee/record=b1242496*est

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

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