

Analysis of traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study
Rosin, Argo; Drovтар, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Argo Rosin, Imre Drovтар: Rohepõõre transpordis on utoopiline [Võrguväljaanne]

Rosin, Argo; Drovтар, Imre postimees.ee 2021 ["Argo Rosin, Imre Drovтар: Rohepõõre transpordis on utoopiline"](#)

Comparison of renewable electricity generation options with household electrical load patterns

Auväärт, Aivar; Rosin, Argo; Rosin, Kai; Drovтар, Imre; Lehtla, Madis Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 1555-1560 : ill <https://ieeexplore.ieee.org/document/6699364> <https://doi.org/10.1109/IECON.2013.6699364> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Cost-effective optimization of load shifting in the industry by using intermediate storages

Uuemaa, Priit; Kilter, Jako; Valtin, Juhan; Drovтар, Imre; Rosin, Argo; Puusepp, Andres Conference proceedings of IEEE ISGT Europe 2013 : 4th IEEE/PES Innovative Smart Grid Technologies Europe 2013 / [5] p

Demand side management in small power systems - the Estonian case study

Drovтар, Imre; Rosin, Argo; Kilter, Jako Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 13-19 : ill <https://doi.org/10.5755/j01.eie.22.3.15308> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Demand side management possibilities and viability for voltage support services in Estonia = Tarbimise juhtimise võimaluste uurimine ning rakendatavus pinge reguleerimise teenusteks Eestis

Drovтар, Imre 2016 <http://digi.lib.ttu.ee/76032> https://www.ester.ee/record=b4601226*est

Demand side management potential in Estonia

Drovтар, Imre Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 81-87 : ill

Demand side management potential in Estonia - a case study for the wood industry

Drovтар, Imre; Rosin, Argo; Kilter, Jako 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. 94-97 : ill

Determining optimisation framework for local energy communities

Drovтар, Imre; Korõtko, Tarmo; Mutule, Anna; Kairisa, Evita; Rosin, Argo 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830444>

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

Drovтар, 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

Eesti elektrisüsteemi ülekandevõrgu koormuste staatilised ja dünaamilised karakteristikud : uurimistöo 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; Drovтар, Imre 2015 http://elering.ee/public/Infokeskus/Uuringud/Koormuste_karakteristikud.pdf

Electric vehicles and their impact on the Estonian power system load curve

Drovтар, Imre 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. 139-141 : ill

Electricity consumption analysis and power quality monitoring in commercial buildings

Drovтар, Imre; Niitsoo, Jaan; Rosin, Argo; Kilter, Jako; Palu, Ivo PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 107-112 : ill <https://ieeexplore.ieee.org/document/6256212>

Energiasalvestid ja -salvestustehnoloogiad

Rosin, Argo; Link, Siim; Hõimoja, Hardi; Drovтар, Imre 2015 http://www.ester.ee/record=b4484414*est

Euroopa perutav roheratsu

Rosin, Argo; Drovтар, Imre Postimees 2021 / Lk. 6-7

Impacts of grid-scale battery systems on power system operation, case of Baltic region

Ahmadihangar, Roya; Plaum, Freddy; Häring, Tobias; Drovтар, Imre; Korõtko, Tarmo; Rosin, Argo IET Smart Grid 2024 / p. 101-119 <https://doi.org/10.1049/stg2.12142>

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

Industrial CHP excess heat efficient usage for cooling

Uuemaa, Priit; Vigants, Haralds; Blumberga, Dagnija; **Drovtar, Imre** Energetika 2014 / p. 136-148 : ill
<https://www.lmaleidykla.lt/ojs/index.php/energetika/article/view/2937> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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

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 <https://doi.org/10.1109/MELCON.2014.6820534> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Load flow modelling in local energy community electric power systems

Korõtko, Tarmo; **Drovtar, Imre**; Mutule, Anna; Kairisa, Evita; **Rosin, Argo** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830203>

Overview - pumped-hydro energy storage for balancing wind energy forecast errors

Raudsaar, Urmas; **Drovtar, Imre**; **Rosin, Argo** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 133-138 : ill

Performance and feasibility analysis of electricity price based control models for thermal storages in households

Rosin, Argo; Link, Siim; Lehtla, Madis; Martins, Joao; **Drovtar, Imre**; Roasto, Indrek Sustainable cities and society 2017 / p. 366-374 : ill <https://doi.org/10.1016/j.scs.2017.04.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Solutions and active measures for wind power integration

Rosin, Argo; **Drovtar, Imre**; **Kilter, Jako** Large Scale Grid Integration of Renewable Energy Sources : Solutions and technologies (2nd Ed.) 2024 / p. 91-138 <https://doi.org/10.1049/PBPO222E>

Tarbimise juhtimine : suurtarbijate koormusgraafikute salvestamine ning analüüs juhtimise rakendamise võimaluste tuvastamiseks

Rosin, Argo; **Drovtar, Imre**; Link, Siim; Hõimoja, Hardi; Mölder, Heigo; Möller, Taavi 2014
https://www.ester.ee/record=b4432844*est

Targa linna teenuste võimaldamine tänavavalgustusvõrkude kaudu

Korõtko, Tarmo; **Drovtar, Imre** Elektriala 2021 / lk. 15-17 : ill https://www.ester.ee/record=b1240496*est

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>

Utilizing demand response in load modelling for voltage and reactive power control studies

Drovtar, Imre; Leinakse, Madis; Tuttelberg, Kaur; **Kilter, Jako** IEEE transactions on power systems 2024 / 12 p
<https://doi.org/10.1109/TPWRS.2024.3425157>

Value stream mapping for evaluation of load scheduling possibilities in a district heating plant

Melsas, Raivo; Rosin, Argo; Drovtar, Imre Transactions on environment and electrical engineering 2016 / p. 62-67 : ill
<http://dx.doi.org/10.22149/tee.v1i3.34>

Value stream mapping for evaluation of load scheduling possibilities in a district heating plant [Electronic resource]

Melsas, Raivo; Rosin, Argo; Drovtar, Imre 2016 IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC) : 7-10 June 2016, Florence, Italy : conference proceedings 2016 / [6] p. : ill. [CD-ROM]
<https://doi.org/10.1109/EEEIC.2016.7555696>

Wind park cost efficiency increase through direct cooperation with demand side response provider [Online resource]

Melsas, Raivo; Rosin, Argo; Drovtar, Imre 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTU CON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill
<https://doi.org/10.1109/RTU CON.2016.7763119>