

A MPPT control method for full soft-switching high step-up current-fed DC-DC converter

Kosenko, Roman; Roasto, Indrek 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 199-203 : ill <https://ieeexplore.ieee.org/document/7343153>

A simple modular active power electronic transformer

Roasto, Indrek; Strzelecki, Ryszard Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 1976-1980 : ill

AC-link based new microgrid system for research of local power flow management

Märss, Maido; Annuk, Andres; Allik, Alo; Uiga, Jaanus Agronomy research 2014 / p. 553-562
https://agronomy.emu.ee/vol122/2014_2_26_b5.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Active learning in computer exercises on electronics

Raud, Zoja; Vodovozov, Valery World Academy of Science, Engineering and Technology. International journal of electrical, computer, electronics and communication engineering 2014 / p. 1061-1066 : ill

Active learning in remote electrical drive laboratory

Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 28-34 : ill
<https://doi.org/10.1109/EDUCON.2015.7095946>

Active learning technology in the field of electronics

Raud, Zoja 2014 https://www.ester.ee/record=b4412028*est

Active magnetic bearing calibration to compute levitation force in a bearingless synchronous reluctance motor drive

Mukherjee, Victor; Belahcen, Anouar; Hinkkanen, Marko Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 165-168 : ill

Active power electronic transformer as a power conditioner for nonlinear loads [Electronic resource]

Roasto, Indrek; Romero-Cadaval, Enrique; Martins, Joao; **Jalakas, Tanel** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 63-68 : ill [CD-ROM]

Active power electronic transformer based on modular building blocks

Roasto, Indrek; Romero-Cadaval, Enrique; Martins, Joao Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5922-5927 : ill
<https://doi.org/10.1109/IECON.2013.6700106> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Adjusted electrical equivalent circuit model of induction motor with broken rotor bars

Rassõlkin, Anton; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Petrov, Aleksei; Plokhov, Igor; Kotelnikov, Aleksandr PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 213-218 : ill <https://doi.org/10.1109/PQ.2016.7724115>

Advanced course of electrical drivers : laboratory works

Vodovozov, Valery; Rassõlkin, Anton 2013 http://www.ester.ee/record=b2909098*est

Air-core sensors operation modes for partial discharge detection and on-line diagnostics in medium voltage networks

Kütt, Lauri; Shafiq, Muhammad; **Mölder, Heigo; Järvik, Jaan;** Lehtonen, Matti Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 5-12 : ill

Air-gap eccentricity analysis of slow-speed slotless permanent magnet synchronous generator

Kangro, Rait; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 225-228 : ill

Alarmsüsteemid. Osa 4, Elektromagnetiline ühilduvus. Tooteperekonna standard [Võrguteavik] : häiringu taluvuse nõuded tulekahju-, sissemurde- ja kallaletungialarmsüsteemide, videovalvesüsteemide, juurdepääsukontrollisüsteemide ja isiklike appikutsesüsteemide komponentidele = Alarm systems. Part 4, Electromagnetic compatibility. Product family standard : immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems

2015 http://www.ester.ee/record=b4532276*est

Algorithm for management of energy in the microgrid DC bus

Peterson, Kristjan 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. 170-174 : ill

Algus : [Juhan Laugise töötamisest TTÜ elektriainjamite kateedris]

Risthein, Endel Juhan Laugis 07.03.1938 - 01.11.2010 : meenuitud. Artiklid. Bibliograafia 2013 / lk. 26-29 : fot
https://www.ester.ee/record=b2941131*est

An overview of electrical vehicle and hybrid electrical vehicle drives

Rassõlkin, Anton 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. 76-80

Analysis and development of protection and control functions for Li-Ion based prosumers provided by low voltage part of distribution substation [Electronic resource]

Korõtko, Tarmo; Mägi, Marek; Peterson, Kristjan; Teemets, Raivo; Pettai, Elmo CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 19-24 : ill [CD-ROM]

Analysis of a flywheel storage system for ultra-fast charging station of electric vehicles with regard to electric machine design and operational speed range

Dziechciaruk, Grzegorz; Grzesiak, Lech; Vezzini, Andrea; **Hõimoja, Hardi** Przegląd Elektrotechniczny = Electrical Review 2013 / [7] p. : ill https://www.researchgate.net/publication/288576180_Analysis_of_a_flywheel_storage_system_for_ultra-fast_charging_station_of_electric_vehicles_with_regard_to_electric_machine_design_and_operational_speed_range Journal metrics at Scopus Article at Scopus

Analysis of a slow-speed slotless permanent magnet synchronous generator

Tuttelberg, Kaur; Vaimann, Toomas; Kallaste, Ants 4th International Youth Conference on Energy 2013 : [proceedings] 2013 / p. 1-5 : ill

Analysis of buck mode realization possibilities in quasi-Z-source DC-DC converters with voltage doubler rectifier

Zakis, Janis; Rankis, Ivars; Liivik, Liisa; Chub, Andrii 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 570-575 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266379>

Analysis of mechanical vibrations caused by eccentricity in a slow-speed slotless permanent magnet generator

Tiirats, Tauno; Pabut, Ott; Kallaste, Ants; Herranen, Henrik; Naar, Hendrik; Vaimann, Toomas PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 237-241 : ill

Analysis of off-grid power supply for sparsely populated areas

Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor; Kallaste, Ants 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 175-179 : ill

Analysis of peak shaving of utility networks loads with electric vehicles connected to distribution substations

Mägi, Marek 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. 184-191 : ill

Analysis of proposed microgrid electric energy management methods

Korõtko, Tarmo 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. 205-209

Analytical model for magnetic anisotropy of non-oriented steel sheets

Martin, Florian; Singh, Deepak; **Belahcen, Anouar**; Rasilo, Paavo; Haavisto, Ari; Arkio, Antero COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 1475-1488 : ill <http://dx.doi.org/10.1108/COMPEL-02-2015-0076>

Analytical solution of the magnetic field and EMF calculation in ironless BLDC motor

Liu, Xiangdong; Hu, Hengzai; Zhao, Jing; **Belahcen, Anouar**; Tang, Liang; Yang, Lei IEEE transactions on magnetics 2016 / art. 8100510, [10] p. : ill <https://doi.org/10.1109/TMAG.2015.2481862>

Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets

Belahcen, Anouar; Singh, Deepak; Rasilo, Paavo; Martin, Florian; Ghalamestani, Setareh Gorji; Vandeveld, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill <https://doi.org/10.1109/TMAG.2014.2361681> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of hysteresis voltage control for three-level neutral point clamped voltage source inverter

Kolmakov, Nikolay; Bakhovtsev, Igor A.; **Jalakas, Tanel** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 195-198 : ill

Armature reaction field and inductance calculation of ironless BLDC motor

Liu, Xiangdong; Hu, Hengzai; Zhao, Jing; **Belahcen, Anouar**; Tang, Liang IEEE transactions on magnetics 2016 / art. 8200214, [14] p. : ill <https://doi.org/10.1109/TMAG.2015.2489605>

AS Harju Elekter Elektrotehnika parendusprotsessid
Lõvi, Eva Elektriala 2014 / lk. 32-33 : ill

Assessing demand side flexibility with renewable energy resources [Electronic resource]

Mishra, Sambeet; Koduvere, Hardi; Palu, Ivo; Kuhi-Thalfeldt, Reeli; Rosin, Argo 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.2016.7555546>

Asutajadekaanid : eesmärk on anda inimestele võimalus oma tööd paremini teha

Oorn, Arvo; Jervan, Gert; Kanger, Tõnis; Listra, Enn Mente et Manu 2016 / lk. 18-23 : fot https://artiklid.elnet.ee/record=b2797132*est

Asymmetrical PWM control of galvanically isolated impedance-source series resonant DC-DC converters

Vinnikov, Dmitri; Zakis, Janis; Chub, Andrii; Liivik, Elizaveta 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 341-346 : ill <https://doi.org/10.1109/CPE.2016.7544211>

Asymmetrical quasi-Z-source half-bridge DC-DC converters

Vinnikov, Dmitri; Chub, Andrii; Liivik, Liisa 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 369-372 : ill <http://dx.doi.org/10.1109/CPE.2015.7231103>

Automaatika [Võrguväljaanne]

Lehtla, Tõnu; Rosin, Argo 2001 <http://www.ene.ttu.ee/elektriamid/Leonardo/automaatika/index.html>

Automotive waste heat harvesting for electricity generation using thermoelectric systems - an overview

Kütt, Lauri; Lehtonen, Matti 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 55-62 : ill

Avalike elektrivõrkude pingete tunnussuured = Voltage characteristics of electricity supplied by public electricity networks [Võrguteavik]

2015 http://www.ester.ee/record=b4512339*est

Ballastseadist sisaldavad üldtarbevalgustuse valgusdiodlambid pingega üle 50 V [Võrguteavik] : ohutusnõuded = Self-ballasted LED-lamps for general lighting services by voltage > 50 V : safety specifications (IEC 62560:2011, modified + corrigendum Jan. 2012 + A1:2015)

2016 http://www.ester.ee/record=b4602671*est

A battery cell balancing method with linear mode bypass current control

Gallardo-Lozano, Javier; Romero-Cadaval, Enrique; **Jalakas, Tanel; Hõimoja, Hardi** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 245-248 : ill

Bibliograafia : [Juhan Laugis, publikatsioonid 1965-2011]

Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 84- 97 https://www.ester.ee/record=b2941131*est

Bidirectional operation of the single-phase neutral-point-clamped quasi-Z-source inverter

Husev, Oleksandr; Zakis, Janis; Vinnikov, Dmitri; Savenko, O. BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 221-224 : ill

Broken bar indicators for cage induction motors and their relationship with the number of consecutive broken bars

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero Electric power applications, IET 2013 / p. 633-642 : ill <https://digital-library.theiet.org/content/journals/10.1049/iet-epa.2012.0338>

Carrier based modulation with capacitor balancing for three-level neutral-point-clamped qZS inverter

Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Husev, Oleksandr; Vinnikov, Dmitri** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 57-62 : ill <http://dx.doi.org/10.1109/CPE.2015.7231049>

Case study of ECD model accuracy in estimating the cell output voltage and power dissipation

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 45-48 : ill

Case study of smart city lighting system with motion detector and remote control

Kuusik, Marko; Varjas, Toivo; Rosin, Argo 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513906>

CCM and DCM analysis of Quasi-Z-Source derived push-pull DC/DC converter

Chub, Andrii; Husev, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri Journal of microelectronics, electronic components and materials 2014 / p. 224-234 : ill [http://www.midem-drustvo.si/Journal%20papers/MIDEM_44\(2014\)3p224.pdf](http://www.midem-drustvo.si/Journal%20papers/MIDEM_44(2014)3p224.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Changing of magnetic flux density distribution in a squirrel-cage induction motor with broken rotor bars

Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 11-14 : ill <https://doi.org/10.5755/j01.eee.20.7.8018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CM voltage compensator for DC/DC converters [Electronic resource]

Smolenski, Robert; Jarnut, Marcin; Bojarski, Jacek; **Blinov, Andrei; Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 264-268 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6601167>

Code development of a DSP-FPGA based control platform for power electronics applications

Minambres-Marcos, Victor; **Roasto, Indrek**; Szczepankowski, P.; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Barrero-Gonzalez, Fermin 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 2015 / p. 2890-2895 : ill <https://doi.org/10.1109/ICIT.2015.7125524> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cogging torque reduction methods

Kudrjavitsev, Oleg; Kilk, Aleksander 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. 212-214 : ill

Cogging torque reduction methods

Kudrjavitsev, Oleg; Kilk, Aleksander PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 251-254 : ill

Combined FE and particle swarm algorithm for optimization of high speed PM synchronous machine

Belahcen, Anouar; Martin, Floran; El Hadi Zaim, Mohammed; Dlala, Emad; Kolondzovski, Zlatko COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 475-484 : ill <http://dx.doi.org/10.1108/COMPEL-07-2014-0168>

Combined FE and two dimensional spectral analysis of broken cage faults in induction motors

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Vienna, Austria, 10-14 November, 2013 2013 / p. 2674-2679 : ill <https://ieeexplore.ieee.org/document/6699553>

Comparative analysis of boost and quasi-Z-source converters as maximum power point trackers for PV panel integrated converters

Zakis, Janis; Rankis, Ivars; Ribickis, Leonids Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 1991-1995 : ill

Comparative analysis of electric drives met for vehicle propulsion

Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu; Rassõlkin, Anton; Lillo, Nikolai 9th International Conference on Ecological Vehicles and Renewable Energies EVER 2014 2014 / [8] p. : ill

Comparative analysis of semiconductor power losses of galvanically isolated quasi-Z-source and full-bridge boost DC-DC converters

Kosenko, Roman; Liivik, Liisa; Chub, Andrii; Velihorskyi, Oleksandr Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 5-12 : ill <https://doi.org/10.1515/ecce-2015-0001>

Comparative analysis of wind generator energy efficiency based on machine design

Kallaste, Ants; Vaimann, Toomas; Kilk, Aleksander; Belahcen, Anouar 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 9-12 : ill

Comparative study of rectifier topologies for quasi-Z-source derived push-pull converter

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 29-34 : ill <https://doi.org/10.5755/j01.eee.20.6.7264> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of slow-speed slotless synchronous generator using SmCo and NdFeB permanent magnets

Korn, Norman; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p 247-250 : ill

Comparative study of steady-state performance of voltage and current fed dimmable LED drivers [Electronic resource]
Galkin, Ilja; Tetervenk, Oleg; **Milaševski, Irena** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 292-297 : ill [CD-ROM]
<https://ieeexplore.ieee.org/document/6601172>

Comparison and verification of boost control methods for full soft-switching bidirectional current-fed isolated full-bridge DC-DC converter [Online resource]
Kosenko, Roman; Chub, Andrii; Blinov, Andrei 2016 II International Young Scientists Forum on Applied Physics and Engineering (YSF-2016) : forum proceedings 2016 / p. 6-9 : ill <https://doi.org/10.1109/YSF.2016.7753748>

Comparison between equivalent circuit diagrams and fractional rational functions in the frequency domain for Lithium-ion battery modeling
Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** 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. 55-58 : ill

Comparison of impedance-source networks for two and multilevel buck-boost inverter applications
Husev, Oleksandr; Blaabjerg, Frede; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Siwakoti, Yam P.; Strzelecki, Ryszard IEEE transactions on power electronics 2016 / p. 7564-7579 : ill <https://doi.org/10.1109/TPEL.2016.2569437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of operating modes of air-core inductive sensors for partial discharge on-line diagnostics in medium voltage networks
Kütt, Lauri; Shafiq, Muhammad; Lehtonen, Matti; Mölder, Heigo; Järvi, Jaan Digest book and electronic proceedings : 54th International Scientific Conference of Riga Technical University : Section of Power and Electrical Engineering 2013 / p. 29.1-29.6 : ill
<https://research.aalto.fi/en/publications/comparison-of-operating-modes-of-air-core-inductive-sensors-for-p>

Comparison of renewable electricity generation options with household electrical load patterns
Auväärt, Aivar; Rosin, Argo; Rosin, Kai; Drovtar, 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](#)

Comparison of the power losses in 1700V Si IGBT and SiC MOSFET modules including reverse conduction [Electronic resource]
Rabkowski, Jacek; Platek, Tadeusz EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / [10] p. : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309444>

Comparison of three MPPT algorithms for three-level neutral-point-clamped qZ-Source inverter [Electronic resource]
Roncero-Clemente, Carlos; **Husev, Oleksandr; Minambres-Marcos, Victor; Stepenko, Serhii; Romero-Cadaval, Enrique; Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 80-85 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6601133>

Components selection of local power supply system for sparsely populated areas
Kallaste, Ants; Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 181-186 : ill

Comprehensive computations of the response of faulty cage induction machines
Belahcen, Anouar; Martinez, Javier; Vaimann, Toomas Proceedings of the 2014 International Conference on Electrical Machines (ICEM) 2014 / p. 1504-1509 : ill

Computation of stator vibration of an induction motor using nodal magnetic forces [Online resource]
Sathyan, Sabin; **Belahcen, Anouar; Kataja, Juhani; Vaimann, Toomas; Sobra, Jan** 2016 XXII International Conference on Electrical Machines (ICEM) : SwissTech Convention Center, Lausanne, Switzerland, 04-07 September, 2016 : proceedings 2016 / p. 2198-2203 : ill <https://doi.org/10.1109/ICELMACH.2016.7732827>

Concept maps as a tool for engineering education
Raud, Zoja; Lehtla, Tõnu 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. 31-36 : ill

Concept maps for teaching, learning, and assessment in electronics
Vodovozov, Valery; Raud, Zoja Education research international 2015 / p. 1-9 : ill <https://doi.org/10.1155/2015/849678>

Concept maps in Power Electronics education [Electronic resource]
Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 280-285 : ill [CD-ROM]

Condition monitoring of electrical machines and its relation to industrial internet

Belahcen, Anouar; Gyftakis, Konstantinos N.; Martinez, Javier; Climente-Alarcon, Vicente; **Vaimann, Toomas** 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 233-241 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194535>

Consequences of distributed generation on power quality

Niitsoo, Jaan; Kütt, Lauri; Taklaja, Paul 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 163-167

Control of liquid density to prevent abnormal pumping performance

Vodovozov, Valery; Bakman, Ilja Recent Advances in Environmental Science : ...7th WSEAS International Conference on Waste Management, Water Pollution, Air Pollution, Indoor Climate (WWAI'13),... : Lemesos, Cyprus, March 21-23, 2013 2013 / p. 217-222 : ill

Control of quasi-Z-source dc-dc converter by the overlap of active states : new possibilities and limitations

Roasto, Indrek; Liivik, Liisa; Vinnikov, Dmitri BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 217-220 : ill

Control scheme of a Three-Phase Three-Level NPC qZ-Source inverter with LCL filter for RES applications

Roncero-Sanches, Pedro; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Makovenko, Elena** Proceedings of the IECON 2016 - 42nd Annual Conference of the IEEE Industrial Electronics Society : Florence, Italy, October 24-27 2016 2016 / p. 6540-6547 <https://doi.org/10.1109/IECON.2016.7793338> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A control strategy for a grid-connected PV system with unbalanced loads compensation

Fernao Pires, Vitor; **Husev, Oleksandr; Vinnikov, Dmitri**; Martins, Joao 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 154-159 : ill <https://doi.org/10.1109/CPE.2015.7231065>

Control, supervision and operation diagnostics of light rail electric transport

Rosin, Argo; Lehtla, Tõnu 2005 https://www.eester.ee/record=b2073559*est

Cost efficiency analysis of slow-speed slotless permanent magnet synchronous generator using different magnetic materials

Laurit, Sten; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 221-224 : ill

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

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

Coupled magneto-mechanical analysis of iron sheets under biaxial stress

Aydin, U.; Rasilo, Paavo; Singh, Deepak; Lehtonen, Antti; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetics 2016 / art. 2000804, [4] p. : ill <https://doi.org/10.1109/TMAG.2015.2496207>

Coupled wave-equation and eddy-current model for modelling and measuring propagating stress-waves

Peussa, Tommi; **Belahcen, Anouar** Archives of electrical engineering 2015 / p. 215-226 : ill <http://dx.doi.org/10.1515/ae-2015-0018>

Current control strategy of a grid connected three-level neutral-point-clamped qZS inverter

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri**; Stepenko, Serhii 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. 97-101 : ill

Current harmonics of EV chargers and effects of diversity to charging load current distortions in distribution networks

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Niitsoo, Jaan** 2013 International Conference on Connected Vehicles and Expo (ICCVE) : proceedings : Las Vegas, Nevada, USA, 2-6 December 2013 2013 / p. 726-731 : ill <https://ieeexplore.ieee.org/document/6799884>

Current sensorless control algorithm for single-phase three-level NPC inverter

Suzdalenko, Alexander; **Zakis, Janis**; Steiks, Ingars Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2014 / p. 28-33 : ill

Current sensorless control for half-bridge based AC/DC PFC converter with consideration of conduction losses

Suzdalenko, Alexander; **Chub, Andrii** International journal of circuit theory and applications 2016 / p. 2072-2084 : ill <https://doi.org/10.1002/cta.2212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Curriculum vitae : [Endel Risthein]

Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 121-125

Demagnetization on permanent magnet machine with Halbach array

Kallaste, Ants; Belahcen, Anouar; Kilk, Aleksander 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. 81-84 : ill

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

Drovtar, 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 pingereguleerimise teenusteks Eestis

Drovtar, Imre 2016 <http://digi.lib.ttu.ee/ii/?6032> https://www.ester.ee/record=b4601226*est

Demand side management potential in Estonia

Drovtar, 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

Drovtar, 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

Design and comparison of three-level three-phase T-source inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 564-569 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266378>

Design and evaluation of a base module of active power electronic transformer

Roasto, Indrek; Minambres-Marcos, Victor; Romero-Cadaval, Enrique; Strzelecki, Ryszard 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 384-389 : ill <http://dx.doi.org/10.1109/CPE.2015.7231106>

Design and experimentation of fuzzy logic control for an anti-lock braking system

Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 207-210 : ill http://www.ester.ee/record=b2150914*est

Design and implementation of flyback MPPT converter for PV-applications

Suskis, Pavels; **Zakis, Janis; Galkin, Ilja** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 291-296 : ill

Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers

Aksjonov, Andrei; Augsburg, Klaus; **Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <https://doi.org/10.3390/app6120382>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design considerations for propulsion drives of electric vehicles

Vodovozov, Valery; Lehtla, Tõnu 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. 35-39 : ill

Design of a simple modular active power electronic transformer

Strzelecki, Ryszard; **Roasto, Indrek;** Romero-Cadaval, Enrique Proceedings : IECON 2014 - 40th Annual Conference of the IEEE Industrial Electronics Society : Sheraton Hotel Dallas, Dallas, TX, USA, 30. October-01. November, 2014 2014 / p. 1410-1415 : ill
<https://doi.org/10.1109/IECON.2014.7048686> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design of an experimental setup to study the drives of battery electric vehicles

Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu World Academy of Science, Engineering and Technology 2013 / p. 816-823 : ill

Design of educational thesauri in electronics

Raud, Zoja; Vodovozov, Valery Proceedings of the IRES International Conference : 28th-29th December 2016, Florence, Italy 2016 / p. 1-5 : ill

Design of permanent magnet assisted synchronous reluctance machine

Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar Proceedings : 2014 15th International Scientific Conference on Electric Power Engineering (EPE) 2014 / p. 579-582 : ill

Design of slow-speed slotless SmCo permanent magnet synchronous generator for wind applications

Vaimann, Toomas; Kallaste, Ants; Korn, Norman; Laurit, Sten; Belahcen, Anouar Proceedings : 2014 15th International Scientific Conference on Electric Power Engineering (EPE) 2014 / p. 339-342 : ill

Design of the exterior-rotor PM synchronous motor for an electric powered paraglider

Nukki, Rene; Lehtla, Tõnu; Kilk, Aleksander; Kangru, Tavo 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 245-248 : ill

Design of three-phase three-level CIC T-source inverter with maximum boost control

Shults, Tatiana; Husev, Oleksandr; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 004447-004452 : ill <http://dx.doi.org/10.1109/IECON.2015.7392792>

Detection of induction motor broken bars in grid and frequency converter supply

Vaimann, Toomas; Belahcen, Anouar; Martinez, Javier; Kilk, Aleksander Przegląd elektrotechniczny 2014 / p. 90-94 : ill <https://www.pe.org.pl/articles/2014/1/22.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Determination methods for controller parameters of back-to-back converters in electric power grids

Beg, Nauman; Rahmoun, Ahmad; Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 157-164 : ill <https://doi.org/10.1109/PQ.2016.7724106>

Determination of the impedance of lithium-ion batteries using methods of digital signal processing

Rahmoun, Ahmad; Loske, Moritz; Rosin, Argo Energy procedia 2014 / p. 204-213 : ill <https://doi.org/10.1016/j.egypro.2014.01.174> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development and control of energy exchange processes between electric vehicle and utility network = Elektriauto energiasalvesti ja elektriiaotusvõrgu energiavahetusprotsesside uurimine ja juhtimine

Mägi, Marek 2013 https://www.ester.ee/record=b2966194*est

Development and research of the traction asynchronous multimotor drive = Mitme asünkroonmootoriga veoajami arendamine ja uurimine

Boiko, Vitali; Laugis, Juhan 2008 http://www.ester.ee/record=b2373654*est

Development of energy reserve optimization methodology for households with renewable power systems = Taastuva energia allikatega kodumajapidamiste energiareervi optimeerimise meetodika väljatöötamine

Auväart, Aivar 2014 http://www.ester.ee/record=b4412783*est

Development of single-loop current sensorless control for bidirectional three-phase PWM rectifier

Suzdalenko, Alexander; Zakis, Janis; Husev, Oleksandr 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 211-214 : ill

Development of students' creative activity through experimentation

Raud, Zoja 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. 23-28 : ill

Development of students' activity through on-lecture assessment in electrical engineering

Vodovozov, Valery; Raud, Zoja; Gevorkov, Levon Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2213-2217 : ill

Development of testing method for smart substations with prosumers

Korötko, Tarmo; Merisalu, Ülo; Mägi, Marek; Peterson, Kristjan; Pettai, Elmo Journal of microelectronics, electronic components and materials 2014 / p. 185-200 : ill <https://www.dlib.si/details/URN:NBN:SI:doc-N5PGZIFC> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diagnostics of induction machine rotor faults using analysis of stator signals = Asünkroonmasina rootori diagnostika staatorisignaali uurimise meetodil

Vaimann, Toomas 2014 https://www.ester.ee/record=b4376858*est

Digitaaltehnika doktorantidele. Osa II, Kombinatsioon- ja järjendülütused = Digital engineering. Part II, Combinational and sequential circuits [Võrguväljaanne]

Lehtla, Madis 2014 http://egdk.ttu.ee/files/2014/Digitaaltehnika_doktorantidele2.pdf

Dimmable LED drivers operating in discontinuous conduction mode

Tetervenok, Oleg; Milaševski, Irena Scientific Journal of Riga Technical University. Electrical, control and communication

Direct liquid cooling in low-power electrical machines : proof-of-concept

Lindh, Pia; Petrov, Ilya; Semken, R. Scott; **Vaimann, Toomas; Kallaste, Ants** IEEE transactions on energy conversion 2016 / p. 1257-1266 : ill <https://doi.org/10.1109/TEC.2016.2597059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distance laboratory to explore electrical drive

Raud, Zoja; Vodovozov, Valery Recent advances in energy, environment and development : proceedings of the 9th International Conference on Energy & Environment (EE '14) : Geneva, Switzerland, December 29-31, 2014 2014 / p. 58-63 : ill

Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015

2015 https://www.ester.ee/record=b4448632*est

Dynamic control system for electric motor drive testing on the test bench

Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 252-257 : ill <http://dx.doi.org/10.1109/CPE.2015.7231082>

Dynamic modeling of the demagnetization in Halbach array permanent magnet machines

Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas COMPUMAG 2013 : [proceedings] 2013 / p. 1-2 : ill

ECOGRID EU Project – real time price based load control and economic benefits in a wind production based system

Aleixo, Luis; **Rosin, Argo**; Saele, Hanne; Morch, Andrei Z.; Grande, Ove S.; **Palu, Ivo** CIRED 2013 : 22nd International Conference and Exhibition on Electricity Distribution : special reports 2013 <https://doi.org/10.1049/cp.2013.1253> <https://ieeexplore.ieee.org/document/6683856>

Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 1 : hybrid components sizing

Bolgov, Viktor; Laanetu, Margus PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 179-186 : ill <https://doi.org/10.1109/PQ.2016.7724110>

Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 2 : determination of breakeven grid extension distances

Bolgov, Viktor; Janson, Kuno PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 187-192 : ill <https://doi.org/10.1109/PQ.2016.7724111>

Editorial : special issue on impedance-source converter topologies and applications

Vinnikov, Dmitri; Li, Yuan; Abu-Rub, Haitham IEEE Transactions on Power Electronics 2016 / p. 7417-7418 <https://doi.org/10.1109/TPEL.2016.2577418> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eellugu elektrotehnika ja elektrimasinate õpetamisest Tallinna Tehnikaülikoolis

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 32-33 https://www.ester.ee/record=b4560920*est

Eessõna = Foreword

Lehtla, Tõnu Elektrialamite ja jõuelektronika instituudi aastaraamat 2011, [p.o. 2012] = Annual report 2012 : Department of Electrical Drives and Power Electronics 2013 / lk. 4 https://www.ester.ee/record=b1684735*est

Eesti-soome-rootsi-inglise-saksa elektrioskussõnu

1994 https://www.ester.ee/record=b1066300*est

EETELi algusaastatest

Teemets, Raivo Elektriala 2015 / lk. 8-9 : ill https://artiklid.elnet.ee/record=b2725525*est

EETELi ja EÜNi "Töövarjupäev 2013" tulemused

Mahlapuu, Urmas; **Teemets, Raivo**; Aro, Rein Elektriala 2013 / lk. 24-26

EETELi ja Tallinna Tehnikaülikooli koostööst elektriinseneride koolitamisel

Villeberg, Märt; **Teemets, Raivo** Elektriala 2016 / lk. 22 : fot https://artiklid.elnet.ee/record=b2762707*est

Effect of mechanical stress on excess loss of electrical steel sheets

Singh, Deepak; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetics 2015 / [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2015.2449779>

Effect of PM parameters variability on the operation quantities of a wind generator

Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas 2015 IEEE Workshop on Electrical Machines Design, Control and

Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 242-247 : ill
<http://dx.doi.org/10.1109/WEMDCD.2015.7194536>

Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors

Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero IEEE transactions on industry applications 2014 / p. 208-217 : ill

Effects of PV microgeneration on rural LV network voltage quality - harmonics and unbalance

Hürmeýdan, Semih; Rosin, Argo; Vinnal, Toomas PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 97-100 : ill
<https://doi.org/10.1109/PQ.2016.7724096>

Effects of PV microgeneration on rural LV network voltage quality [Online resource]

Hürmeýdan, Semih; Rosin, Argo; Vinnal, Toomas; Jagomägi, Andri 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [4] p. : ill
<https://doi.org/10.1109/RTUCON.2016.7763083>

Efficiency control for adjustment of number of working pumps in multi-pump system

Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 396-402 : ill
<http://dx.doi.org/10.1109/CPE.2015.7231108>

Efficiency improvement from topology modification of the single-switch isolated quasi-Z-source DC-DC converter [Online resource]

Liivik, Elizaveta; Chub, Andrii; Vinnikov, Dmitri 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [7] p. : ill
<https://doi.org/10.1109/RTUCON.2016.7763118>

Ehitiste elektripaigaldised

Kroon, Kalju; Joller, Jüri; Risthein, Endel 2006 https://www.ester.ee/record=b2118108*est

Eino Vallaste : 25.11.1918 - 05.04.1999 : [nekroloog]

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 42-43
https://www.ester.ee/record=b4560920*est

Electric vehicle charger load current harmonics variations due to supply voltage level differences - case examples

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 917-922 : ill

Electric vehicle fast charger high voltage input multiport converter topology analysis [Electronic resource]

Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 326-331 : ill [CD-ROM]

Electric vehicle multiport fast charger based on the concept of active power electronic transformer

Jalakas, Tanel; Roasto, Indrek; Gallardo-Lozano, Javier; Romero-Cadaval, Enrique 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 3 2014 / p. 2168-2176 : ill

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

Drovtar, 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

Electrical drive : performance, design and control

Vodovozov, Valery 2014 https://www.ester.ee/record=b4412000*est

Electricity price and load forecast based new energy management system for households

Lebedev, Denis; Melentjev, Sergei; Rosin, Argo 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. 73-77 : ill

Elekter meie ümber

Lehtla, Tõnu Elektriala 2013 / lk. 5

Elektriamite ja jõuelektronika instituudi aastaraamat 2006 = Annual report 2006 : Department of Electrical Drives and Power Electronics

2007 https://www.ester.ee/record=b1684735*est

Elektriamite ja jõuelektronika instituudi aastaraamat 2011, [p.o. 2012] = Annual report 2012 : Department of Electrical Drives and Power Electronics

2013 https://www.ester.ee/record=b1684735*est

Elektriamite ja jõuelektroonika instituut : aastaraamat 2001 = Department of Electrical Drives and Power Electronics : annual report : 2001

2002 http://www.ester.ee/record=b1684735*est

Elektrienergia ja ressursside kokkuhoidu tagava reaktiivvõimsuse maksustamise aluste väljatöötamine Eesti ettevõtetele : uurimistöö G405 aruanne

Järvik, Jaan 1994

Elektrienergia säästlik kasutamine hoonetes : õppematerjal

Teemets, Raivo; Vinnal, Toomas 2013 http://www.ester.ee/record=b3033912*est

Elektrikvaliteedi juubelikonverents Tallinnas

Järvik, Jaan Elektriala 2016 / lk. 12-14 : fot https://artiklid.elnet.ee/record=b2803320*est

Elektriliiniseadmed madalpingepaigaldistes [Võrguteavik] : raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemetodid. Osa 1, Majasisene aparatuur = Power line communication apparatus used in low-voltage installations : radio disturbance characteristics. Limits and methods of measurement. Part 1, Apparatus for in-home use

2015 http://www.ester.ee/record=b4460215*est

Elektrilised mõõte-, juhtimis- ja laboratooriumiseadmed [Võrguteavik] : elektromagnetilise ühilduvuse nõuded. Osa 1, Üldnõuded = Electrical equipment for measurement, control and laboratory use EMC requirements. Part 1, General requirements (IEC 61326-1:2012)

2015 http://www.ester.ee/record=b4460496*est

Elektriliste kaitse-, turvalahutus-, lülitus- ja juhtimisaparaatide koordineerimine [Võrguteavik] = Co-ordination of electrical equipment for protection, isolation, switching and control

2015 http://www.ester.ee/record=b4455955*est

Elektrimasinate alase tehnilise kõrghariduse ajalugu ja areng Eestis

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 16-18

https://www.ester.ee/record=b4560920*est

Elektrimasinate alasest inseneriõppest

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 20-21

https://www.ester.ee/record=b4560920*est

Elektrimasinate kateedrist elektrotehnika instituudini

Kilk, Aleksander Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 216-220

Elektrivarustuse tulevikuvisionid

Lehtla, Tõnu; Vinnal, Toomas 2015 http://www.ester.ee/record=b4511325*est

Elektrivarustuse tulevikuvisionid : [kõrgkooliõpik]

Lehtla, Tõnu; Vinnal, Toomas 2016 http://www.ester.ee/record=b4571559*est

Elektromagnetiline ühilduvus. Osa 2-5, Keskkond [Võrguteavik] : elektromagnetiliste keskkondade kirjeldus ja liigitus = Electromagnetic compatibility (EMC). Part 2-5, Environment : description and classification of electromagnetic environments (IEC/TR 61000-2-5:2011)

2015 http://www.ester.ee/record=b4469518*est

Elektromagnetiline ühilduvus. Osa 3-2, Piirväärtused [Võrguteavik] : vooluharmoniliste emissiooni lubatavad piirväärtused (seadmetel sisendvooluga kuni 16 A faasi kohta) = Electromagnetic compatibility (EMC). Part 3-2, Limits : limits for harmonic current emissions (equipment in put current ≤ 16 A per phase) (IEC 61000-3-2:2014)

2015 http://www.ester.ee/record=b4477535*est

Elektromagnetiline ühilduvus. Osa 5-6, Paigaldus- ja leevendusjuhendid [Võrguteavik] : välise elektromagnetiliste häirete leevendamine = Electromagnetic compatibility (EMC). Part 5-6, Installation and mitigation guidelines : mitigation of external EM influences (IEC/TR 61000-5-6:2002)

2015

Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust

2016 http://www.ester.ee/record=b4560920*est

Eluhoonete arvutusliku võimsuse määramine

1996 https://www.ester.ee/record=b1058140*est

Elulugusid ja meenutusi

Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunud 2016 / lk. 44-90 : portr
https://www.ester.ee/record=b4560920*est

Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia

2016 https://www.ester.ee/record=b4580635*est

Endel Risthein 90!

Risthein, Endel Elektriala 2016 / lk. 6-11 : fot https://artiklid.elnet.ee/record=b2797320*est

Endel Ristheina lapsepõlve- ja noorusmälestusi

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 5-18 : fot

Energeetika - otsapidi üksnes taastuenergia küljes

Janson, Kuno; Kallaste, Ants; Bolgov, Viktor Horisont 2013 / lk. 30-36 : ill https://artiklid.elnet.ee/record=b2606466*est

Energiasalvestid ja -salvestustehnoloogiad

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

Energiastrateegia, energiajulgeolek ja töökindlad elektrivõrgud

Lehtla, Tõnu; Valtin, Juhan Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 22-25

Energiatarbimise juhtimisel on tarkades majades kande roll

Rosin, Argo Inseneeria 2014 / lk. 18-19 : ill https://artiklid.elnet.ee/record=b2672914*est

Energiatehnika ja maailm

Risthein, Endel 2013 http://www.ester.ee/record=b2697019*est

Energy saving estimates for regenerative braking and downhill driving of battery electric vehicles

Vodovozov, Valery; Rassõlkin, Anton; Lillo, Nikolai; Raud, Zoja BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 237-240 : ill

Energy-efficient predictive control of centrifugal multi-pump stations

Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja; Raud, Zoja; Gevorkov, Levon PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 233-238 : ill <https://doi.org/10.1109/PQ.2016.7724119>

Environmental and life cycle cost analysis of a synchronous reluctance machine [Online resource]

Rassõlkin, Anton; Orlova, Svetlana; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763127>

Environmental considerations in lifecycle based optimization of electrical machines

Vaimann, Toomas; Kallaste, Ants; Bolgov, Viktor; Belahcen, Anouar Proceedings of the 2015 16th International Scientific Conference on Electric Power Engineering (EPE) : May 20-22, 2015, Czech Republic 2015 / p. 209-214 : ill <http://dx.doi.org/10.1109/EPE.2015.7161057>

Eriosade koostööst projekteerimisel

Tamm, Tiit Elektriala 2013 / lk. 11-12 : ill https://artiklid.elnet.ee/record=b2654388*est

Estimating the harmonic distortions in a distribution network supplying EV charging load using practical source data - case example

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2014 IEEE Power and Energy Society General Meeting : National Harbor, MD, USA, 27-31 July 2014 2014 / [5] p. : ill

Estimation of additional losses due to random contacts at the edges of stator of an electrical machine

Shah, Sahas Bikram; Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 1501-1510 : ill <http://dx.doi.org/10.1108/COMPEL-02-2015-0083>

Evaluation of control solution for grid inverter of low power wind turbine for implementation with inexpensive hardware

Galkin, Ilja; Zakis, Janis PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-

Evaluation of equivalent circuit diagrams and transfer functions for modeling of lithium-ion batteries

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 34-39 : ill

Evaluation of GaN HEMTs for high-voltage stage of isolated DC-DC converters

Chub, Andrii; Zdanowski, Mariusz; **Blinov, Andrei**; **Rabkowski, Jacek** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 375-379 : ill <https://doi.org/10.1109/CPE.2016.7544217>

Experiences with remote labs in electrical drive

Vodovozov, Valery; **Raud, Zoja**; **Gevorkov, Levon** 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 88-93 : ill

Experimental analysis of wide input voltage range qZS-derived push-pull DC/DC converter for PMSG-based wind turbines

Blinov, Andrei; **Vinnikov, Dmitri**; **Husev, Oleksandr**; **Chub, Andrii** PCIM Europe 2013 : International Exhibition and Conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management, Nuremberg, 14.-16. May 2013 : proceedings 2013 / p. 1435-1444 : ill

Experimental determination and numerical evaluation of core losses in a 150-kVA wound-field synchronous machine

Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero Electric power applications, IET 2013 / p. 97-105 : ill
<https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-epa.2012.0242>

Experimental evaluation of GaN gate injection transistors

Rabkowski, Jacek; Barlik, Roman Przegląd elektrotechniczny = Electrical review 2015 / p. 9-12 : ill
<http://dx.doi.org/10.15199/48.2015.03.03>

Experimental Investigation of high frequency 3L-NPC qZS inverter for photovoltaic application

Husev, Oleksandr; **Stepenko, Serhii**; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Strzelecki, Ryszard Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5969-5974 : ill <https://doi.org/10.1109/IECON.2013.6700114> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Experimental setup to explore the drives of battery electric vehicles

Rassõlkin, Anton; **Vodovozov, Valery** The 27th International Electric Vehicle Symposium & Exhibition : Barcelona, 17th to 20th of November 2013 2014 <https://doi.org/10.1109/EVS.2013.6914810>

Experimental setup to explore the drives of battery electric vehicles

Rassõlkin, Anton; **Vodovozov, Valery** World Electric Vehicle Journal 2013 / p. 1109 - 1114 <https://doi.org/10.3390/wevj6041109>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Experimental setup to explore the propulsion motor drive testing for battery electric vehicles

Rassõlkin, Anton; **Müür, Margus** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 63-67 : ill <http://dx.doi.org/10.1109/EDUCON.2015.7095952>

Experimental study of high step-up quasi-Z-source DC-DC converter with synchronous rectification

Liivik, Liisa; **Chub, Andrii**; **Vinnikov, Dmitri**; **Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 409-414 : ill <http://dx.doi.org/10.1109/CPE.2015.7231110>

Experimental verification of light electric vehicle charger multiport topology

Jalakas, Tanel; **Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 415-418 : ill
<http://dx.doi.org/10.1109/CPE.2015.7231111>

Exterior-rotor permanent magnet synchronous machine with toroidal windings for unmanned aerial vehicles

Nukki, Rene; **Kilk, Aleksander**; **Kallaste, Ants**; **Vaimann, Toomas**; **Tiimus, Kristjan** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 215-220 : ill

Feasibility study of a local power supply system for sparsely populated areas in Estonia

Vaimann, Toomas; **Rassõlkin, Anton**; **Kallaste, Ants**; **Märss, Maido** Agronomy research 2016 / p. 1720-1729 : ill
http://www.ester.ee/record=b1787401*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Feasibility study of cascading of full soft-switching current-fed naturally clamped DC-DC converters

Kosenko, Roman; **Chub, Andrii**; **Blinov, Andrei** 2016 10th International Conference on Compatibility, Power Electronics and

Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 384-389 : ill <https://doi.org/10.1109/CPE.2016.7544219>

Feasibility study of inductor coupling in three-level neutral-point-clamped quasi-Z-source DC/AC converter

Zakis, Janis; Husev, Oleksandr; Strzelecki, Ryszard PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 273-276 : ill

Feasibility study of Si and SiC MOSFETs in high-gain DC/DC converter for renewable energy applications

Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Rang, Toomas Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5975-5978 : ill <https://doi.org/10.1109/IECON.2013.6700115> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

First charging cycle model of a lithium-ion battery and its experimental verification

Peterson, Kristjan 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. 118-122 : ill

Floating high step-down stacked dc-dc converter based on buck-boost cells [Electronic resource]

Tibola, Gabriel; Duarte, Jorge; **Blinov, Andrei** EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / p. 1-10 : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309181>

Four level inverter's DC bus voltage balancing with 3-Terminal DAB converter

Grabarek, Maciej; Strzelecki, Ryszard; Tomasov, Valentin S.; **Vinnikov, Dmitri** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 396-401 : ill <https://doi.org/10.1109/CPE.2016.7544221>

Four novel PWM shoot-through control methods for impedance source DC-DC converters

Vinnikov, Dmitri; Roasto, Indrek; Liivik, Liisa; Blinov, Andrei Journal of power electronics 2015 / p. 299-308 : ill <https://doi.org/10.6113/JPE.2015.15.2.299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 http://www.ester.ee/record=b3050698*est

Full soft-switching bidirectional current-fed DC-DC converter

Chub, Andrii; Kosenko, Roman; Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Volodymyr; Styslo, Bogdan 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 189-194 : ill

Full soft-switching bidirectional isolated current-fed dual inductor push-pull DC-DC converter for battery energy storage applications [Online resource]

Kosenko, Roman; Zakis, Janis; Blinov, Andrei; Chub, Andrii; Veligorskyi, Oleksandr 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [8] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763138>

Full soft-switching high step-up current-fed DC-DC converters with reduced conduction losses

Kosenko, Roman; Husev, Oleksandr; Chub, Andrii 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 170-175 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266313>

Full soft-switching high step-up DC-DC converter for photovoltaic applications

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 4 2014 / p. 2951-2957 : ill

Full-soft-switching high step-up bidirectional isolated current-fed push-pull DC-DC converter for battery energy storage applications [Online resource]

Kosenko, Roman; Chub, Andrii; Blinov, Andrei Proceedings of the IECON2016 - 42nd Annual Conference of the Industrial Electronics Society : Florence (Italy), October 24-27, 2016 2016 / p. 6548-6553 : ill <https://doi.org/10.1109/IECON.2016.7794014> [Conference Proceedings at Scopus](#) [Article at scopus](#) [Article at WOS](#)

Galvanically isolated quasi-Z-source DC-DC converter with a novel ZVS and ZCS technique

Husev, Oleksandr; Liivik, Liisa; Blaabjerg, Frede; Chub, Andrii; Vinnikov, Dmitri; Roasto, Indrek IEEE transactions on industrial electronics 2015 / p. 7547-7556 : ill <https://doi.org/10.1109/TIE.2015.2455522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Galvanically isolated quasi-Z-source DC-DC converters with combined energy transfer for renewable energy sources integration

Chub, Andrii; Vinnikov, Dmitri; Jalakas, Tanel 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville,

Spain, 17-19 March 2015 / p. 2896-2900 : ill <https://doi.org/10.1109/ICIT.2015.7125525> [Conference proceedings at Scopus Article at Scopus Article at WOS](#)

Gate and base drivers for silicon carbide power transistors : an overview

Peffitsis, Dimosthenis; **Rabkowski, Jacek** IEEE transactions on power electronics 2016 / p. 7194-7213 : ill <http://dx.doi.org/10.1109/TPEL.2015.2510425>

Generator mode analysis of exterior-rotor PM synchronous machine with Gramme's winding

Nukki, Rene; Kilk, Aleksander; Kallaste, Ants; Vaimann, Toomas; Tiimus, Kristjan 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 347-352 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266341>

Grid integration issues of PMSG-based residential wind turbines

Chub, Andrii; Jalakas, Tanel; Milczarek, Adam; **Kallaste, Ants; Malinowski, Mariusz** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 147-154 : ill

Grid reactive power compensation by using electric vehicles

Gallardo-Lozano, Javier; Romero-Cadaval, Enrique; Minambres-Marcos, Victor; **Vinnikov, Dmitri; Jalakas, Tanel; Hõimoja, Hardi** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 19-24 : ill

Grid-connected photovoltaic systems : an overview of recent research and emerging PV converter technology

Kouro, Samir; Leon, Jose I.; **Vinnikov, Dmitri;** Franquelo, Leopoldo G. IEEE industrial electronics magazine 2015 / p. 47-61 : ill <https://doi.org/10.1109/MIE.2014.2376976> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Grid-connected PV system based on a single-phase three-level qZS inverter

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri;** Stepenko, Serhii Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5979-5984 : ill <https://doi.org/10.1109/IECON.2013.6700116> [Conference Proceedings at Scopus Article at Scopus](#)

Haapsalus valmib "Väinamere tütar" : [selgitavad ka Elmo Pettai ja Arvo Oorn]

Tamm, Ilmar; Kiiski, Lasse; Kukk, Kaarel Inseneeria 2016 / lk. 24-26 : ill http://www.ester.ee/record=b2336521*est https://artiklid.elnet.ee/record=b2780110*est

Hardware-in-the-loop simulation of motor drives for pumping applications

Gevorkov, Levon; Bakman, Ilja; Vodovozov, Valery PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 203-208 : ill

Hardware-in-the-loop simulator of a flow control system for centrifugal pumps

Gevorkov, Levon; Vodovozov, Valery; Lehtla, Tõnu; Raud, Zoja 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 472-477 : ill <https://doi.org/10.1109/CPE.2016.7544234>

Hardware-in-the-loop simulator of vessel electric propulsion drive

Vodovozov, Valery; Raud, Zoja; Bakman, Ilja; Lehtla, Tõnu; Gevorkov, Levon 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 425-430 : ill <http://dx.doi.org/10.1109/CPE.2015.7231113>

Harmonic load of residential distribution network - case study monitoring results

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Vinnal, Toomas** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 93-98 : ill

Have physicists and electrical engineers given up too soon their attempts to decipher the nature of electricity

Järvik, Jaan PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 9-27 https://www.ester.ee/record=b5375325*est

High-efficiency 312-kVA three-phase inverter using parallel connection of silicon carbide MOSFET power modules

Colmenares, Juan; Peffitsis, Dimosthenis; **Rabkowski, Jacek** IEEE transactions on industry applications 2015 / p. 4664-4676 : ill <http://dx.doi.org/10.1109/TIA.2015.2456422>

High-efficiency predictive control of centrifugal multi-pump stations with variable-speed drives = Pumbajaamade muudetava kiirusega tsentrifugaalpumpajamite kõrgefektiivne ennetav juhtimine

Bakman, Ilja 2016 <https://digi.lib.ttu.ee/i/25352> https://www.ester.ee/record=b4577031*est

High-efficiency predictive control of pumping

Vodovozov, Valery; Bakman, Ilja; Raud, Zoja; Lehtla, Tõnu BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 203-206 : ill http://www.ester.ee/record=b2150914*est

Homogenization technique for axially laminated rotors of synchronous reluctance machines

Martin, Florian; **Belahcen, Anouar**; Lehtikainen, Antti; Rasilo, Paavo IEEE transactions on magnetics 2015 / [6] p. : ill <http://dx.doi.org/10.1109/TMAG.2015.2463262>

Hoone elektrisüsteemi parameetrid, mis sobivad uuendusteks (draiverid). Negatiivsed eripärad, millele tuleb tähelepanu pöörata, et vältida uuenduste realiseerimise ebapiisava tasuvuse ja mittesobiva tehnilise kõrvalmõju teket

Saikovski, Valeri; Teemets, Raivo TEUK XVII : taastuvate energiaallikate uurimine ja kasutamine : seitsmeteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : seventeenth conference proceedings : [2015 : Tartu] 2015 / lk. 80-87 : ill

Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia

2014 https://www.ester.ee/record=b3073458*est

Hugo Tiismus ja tema aeg

Lehtla, Tõnu Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia 2014 / lk. 23-31 : fot

[Hugo Tiismus TTÜ töötaja ja õppejõuna : fotod allkirjadega]

Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia 2014 / lk. 43-54 : fot

Hugo Tiismust meenutades

Risthein, Endel Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia 2014 / lk. 5-9 : ill

Hugo Tiismust meenutades

Elektriala 2014 / lk. 28-29 : ill

Hädavalgustuse automaattestimise näide

Tamm, Tiiu Elektriala 2015 / lk. 22-23 : ill https://artiklid.elnet.ee/record=b2721082*est

Hybrid low-power Wind Generation and PV grid-connected system with HPC, PC and MPPT control

Rosa, Carlos; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique; Pires, Vitor; Martins, Joao Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2024-2029 : ill

Hysteresis current control with distributed shoot-through states for impedance source inverters

Husev, Oleksandr; Chub, Andrii; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Vinnikov, Dmitri** International journal of circuit theory and applications 2016 / p. 783-797 : ill <https://doi.org/10.1002/cta.2106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of synchronous machine magnetization characteristics from calorimetric core-loss and no-load curve measurements

Rasilo, Paavo; Abdallah, Ahmed Abou-Elyazied; **Belahcen, Anouar**; Arkio, Antero; Dupré, Luc IEEE transactions on magnetics 2015 / [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2014.2354055>

Ikka jälle leedvalgustusest

Tamm, Tiiu Elektriala 2014 / lk. 20-21 : ill

Ilm on hukas: tali algas seitsme soojakraadiga

Teder, Teet; **Kilk, Aleksander** Õhtuleht 2016 / lk. 4-5 <https://www.oh tuleht.ee/709969/ilm-on-hukas-tali-algas-seitsme-soojakraadiga>

Impact of component losses on the efficiency of a new quasi-Z-source based dual active bridge

Beldjajev, Viktor; Roasto, Indrek; Zakis, Janis Technological innovation for the Internet of things : 4th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems : DoCEIS 2013 : Costa de Caparica, Portugal, April 15-17, 2013 : proceedings 2013 / p. 485-492 : ill https://doi.org/10.1007/978-3-642-37291-9_52 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Impact of component losses on the efficiency of the LC-filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]

Beldjajev, Viktor; Lehtla, Tõnu; Zakis, Janis CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 132-137 : ill [CD-ROM]

Impact of wind parks on the efficiency of thermal power plants [Electronic resource]

Astapov, Victor; Šuvalova, Jelena; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar Proceedings of the 8th International

Impedance-source galvanically isolated DC/DC converters : state of the art and future challenges

Liivik, Liisa; Chub, Andrii; Vinnikov, Dmitri 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 67-74 : ill

Implementation and testing the sensorless pressure measurement of centrifugal pumps

Bakman, Ilja 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. 132-138 : ill

Implementation of different magnetic materials in outer rotor PM generator

Kudrjavitsev, Oleg; Kilk, Aleksander; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 74-78 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266298>

Improved switched-inductor quasi-switched-boost inverter with low input current ripple

Chub, Andrii; Liivik, Liisa; Zakis, Janis; Vinnikov, Dmitri 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 221-226 : ill

Improved switching patterns of inverters for electric drive applications

Vodovozov, Valery; Raud, Zoja International Journal of Automation and Control Engineering (IJACE) 2013 / p. 70-78 : ill

Industrial CHP excess heat efficient usage for cooling

Uuemaa, Priit; Vigants, Haralds; Blumberga, Dagnija; Drovtar, Imre Energetika 2014 / p. 136-148 : ill
<https://www.imaleidykla.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

Influence of choice of permanent magnet electromagnetic parameters in the research of electrical devices

Ose-Zala, Baiba; Kallaste, Ants; Vaimann, Toomas PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 225-228 : ill
<https://doi.org/10.1109/PQ.2016.7724117>

Influence of skin effect on current flow through electrodes of electro-surgical instruments and biological tissue

Sydorets, Volodymyr; Dubko, Andrii; Bondarenko, Oleksandr; Kosenko, Roman BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 211-214 : ill http://www.ester.ee/record=b2150914*est

Influence of slot wedge material on permanent magnet losses in a traction motor with tooth coil windings

Lindh, Pia; Vaimann, Toomas; Kallaste, Ants; Pyrhönen, Juha; Vinnikov, Dmitri; Naumanen, Ville International journal of applied electromagnetics and mechanics 2013 / p. 227-236 : ill <https://doi.org/10.3233/JAE-131659> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Influence of wedge material on losses of a traction motor with tooth-coil windings

Lindh, Pia; Pyrhönen, Juha; Ponomarev, P.; Vinnikov, Dmitri Proceedings IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 2941-2946 : ill
<https://doi.org/10.1109/IECON.2013.6699598> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Input-parallel output-series cascading possibilities of single-switch galvanically isolated quasi-Z-source DC-DC converters

Liivik, Elizaveta; Chub, Andrii; Vinnikov, Dmitri 2016 2nd International Conference on Intelligent Energy and Power Systems (IEPS) : Kyiv, Ukraine, June 7-11, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/IEPS.2016.7521873>

Input-parallel output-series connection of isolated quasi-Z-source DC-DC converters

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 277-284 : ill

Insener kui kultuurikandja : kõne Eesti Vabariigi 95. aastapäeva pidulikul koosolekul 22. veebruaril 2013

Hamburg, Arvi Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 283-287

Instantaneous, short-term and predictive long-term power balancing techniques in intelligent distribution grids

Suzdalenko, Alexander; Galkin, Ilya Technological Innovation for the Internet of Things : 4th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2013, Costa de Caparica, Portugal, April 15-17, 2013,

Interaction in RLC-elements and phasor diagram for reactor and transformer

Järvik, Jaan; Märss, Mairo 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. 14-19 : ill

Investigation of radiated emissions of a galvanically isolated qZS DC-DC converter

Jalakas, Tanel; Jarkovoi, Marek; Roasto, Indrek; Zakis, Janis; Garganev, Alexander 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 176-181 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266314>

loojutuvusega vedelike elektromagnetiliste konduktsioonkuluandurite moderniseerimine : referaat, valik artikleid, ettekannete teese ja autoritunnistusi magistrikraadi taotlemiseks

Kõiv, Ants-Kaspar 1991 https://www.ester.ee/record=b2635135*est

Iron losses, magnetoelasticity and magnetostriction in ferromagnetic steel laminations

Rasilo, Paavo; Singh, Deepak; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetism 2013 / p. 2041-2044 : ill <https://homepages.tuni.fi/paavo.rasilo/pubs/Rasilo2013b.pdf>

Isolated DC/DC converter based voltage measuring system for series connected supercapacitor cells

Sirmelis, Ugis; Grigans, Linards; Kroics, Kaspars; **Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 443-446 : ill <http://dx.doi.org/10.1109/CPE.2015.7231116>

Jaan Järvik - 75

Elektrala 2014 / lk. 30-31 : fot

Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia

2013 https://www.ester.ee/record=b2941131*est

Juhan Laugis kui leiutaja

Lehtla, Tõnu Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 44-51 : fot https://www.ester.ee/record=b2941131*est

Juhtkiri

Oorn, Arvo Elektrala 2016 / lk. 5

Juhtmed ja kaablid [Võrguteavik] : juhise tugevvoolu juhtmete ja -kaablite kasutamiseks nimipingel kuni 450/750 V (U₀/U). Osa 1, Üldjuhise = Electric cables : guide to use for cables with a rated voltage not exceeding 450/750 V (U₀/U). Part 1, General guidance

2016 http://www.ester.ee/record=b4609337*est

Jänes, Hans-Arnold : 22.11.1920 - 14.09.1976

Risthein, Endel Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 46-47 : portr https://www.ester.ee/record=b4560920*est

Jätkusuutlik Eesti

Janson, Kuno; Järvik, Jaan Elektrala 2014 / lk. 8-10 : fot

Jätkusuutliku Eesti arengustrateegia

Järvik, Jaan Akadeemia 2016 / lk. 490-516 : ill https://artiklid.elnet.ee/record=b2760769*est

Kaasik, Paul : 29.11.1925 - 25.12.1985

Pöder, Olga; Risthein, Endel Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 49-50 : portr https://www.ester.ee/record=b4560920*est

Kahe fotoelektrilise päikeseenergia kasutamise süsteemi (PS) analüüs esimese töötamisaasta andemete alusel. Rakenduslikud soovitused PS-i kasutamiseks

Saikovski, Valeri TEUK XVII : taastuvate energiaallikate uurimine ja kasutamine : seitsmeteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : seventeenth conference proceedings : [2015 : Tartu] 2015 / lk. 70-79 : ill

Kaheksakümmend neli aastat Eesti Vabariiki : Juhan Laugise aulakõne Eesti Vabariigi 84. aastapäeva aktusel 22. veebruaril 2002 TTÜ aulas

Laugis, Juhan Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 30-35 : fot https://www.ester.ee/record=b2941131*est

12. energia- ja geotehnika-alane rahvusvaheline sümposium Kuressaares : [sümposiumil kaitsesid oma doktoritööd Andrei Blinov, Zoja Raud, Veiko Karu, Heigo Mölder ja Lauri Kütt, parima ettekande tunnustuse sai Anton Rassõlkin, kõik TTÜst]

Rassõlkin, Anton; Möller, Taavi Mente et Manu 2012 / lk. 3 : fot https://www.ester.ee/record=b1242496*est

Kas Eesti kõrgharidus teenindab toodet või klienti?

Rosin, Argo Õpetajate Leht 2015 / lk. 9 <https://opleht.ee/2015/11/kas-eesti-korgharidus-teenindab-toodet-voi-klienti/>

Kas teaduse indekseerimine on mõistuse mõõteriist või riistapuu?

Rosin, Argo Sirp 2016 / lk. 2 <http://www.sirp.ee/s1-artiklid/c21-teadus/kas-teaduse-indekseerimine-on-moistuse-mooteriist-voi-riistapuu/>

Kas uus klassikaline ülikool Mustamäe mändide alla?

Järvik, Jaan Mente et Manu 2016 / lk. 8-10 : fot https://artiklid.elnet.ee/record=b2756900*est

Kild Tallinna Tehnikaülikooli mälust : sõnavõtt raamatu "Juhan Laugis (07.03.1938-01.11.2010). Meenutused. Artiklid. Bibliograafia" esitlusel 7. märtsil 2013

Lehtla, Tõnu Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 314-315

Kolm kildu : [mälestusi Hugo Tiismusest]

Teemets, Raivo Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia 2014 / lk. 32-36 : fot

Komplexe Applikationen der Linear- und MHD-Antriebe

Laugis, Juhan Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / S. 36-43

https://www.ester.ee/record=b2941131*est

Koostööfestival tõi ettevõtjad ja teadlased üksteisele lähemale : [ka T. Varraku ja H. Mölder kommentaarid]

Säde, Merilyn Universitas Tartuensis : UT : Tartu Ülikooli ajakiri 2016 / lk. 8-11 : fot http://www.ester.ee/record=b2459950*est

Kuidas analüüsida valguslahendusi?

Puusild, Harro; **Rosin, Argo** Äripäev 2016 / Tööstus, lk. 40-41

Kõik tõeliselt suur sünnib aeglaselt ja nähtamatult

Risthein, Endel Mente et Manu 2016 / lk. 62 : fot http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html
https://artiklid.elnet.ee/record=b2797152*est

Laboratory works in semiconductor electronics

Vodovozov, Valery; Raud, Zoja 2016 http://www.ester.ee/record=b4775549*est

Lampide ja lampseadmete fotobioloogiline ohutus [Võrguteavik] = Photobiological safety of lamps and lamp systems (IEC 62471:2006, modified)

2015 http://www.ester.ee/record=b4532318*est

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

LC circuit with parallel and series resonance alternation in switch-mode converters = Paralleel- ja järjestikresonantsi vaheldumisega LC ahel lülitussageduslikes muundurites

Šklovski, Jevgeni 2007 https://www.ester.ee/record=b2238343*est

Leedvalgustuse pahupoolest

Tamm, Tiiu Elektriala 2014 / lk. 12-13 : fot https://artiklid.elnet.ee/record=b2705145*est

Leedvälisvalgustite valikust

Tamm, Tiiu Elektriala 2013 / lk. 16-17 ; 6, lk. 18-19 : ill

"Lennuki" reis Islandile

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 118-120 : ill

A library of samples for testing variable load electric drives

Liivik, Liisa; Vodovozov, Valery; Rassõlkin, Anton Digest book and electronic proceedings : 54th International Scientific Conference of Riga Technical University : Section of Power and Electrical Engineering 2013 / p. 12.1-12.6 : ill

Lifecycle analysis of different motors from the standpoint of environmental impact

Orlova, Svetlana; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar Latvian journal of physics and technical sciences 2016 / p. 37-46 : ill <https://doi.org/10.1515/lpts-2016-0042> [Journal metrics at Scopus](#) [Article at Scopus](#)

Lifecycle-based design and optimization of electrical motor-drives - challenges and possibilities

Vaimann, Toomas; Kallaste, Ants; Kilk, Aleksander; Belahcen, Anouar The 3rd International Conference on Electric Power and Energy Conversion Systems (EPECS 2013) : [proceedings] 2013 / p. 1-4 : 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 current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor

Bolgov, Viktor 2004 https://www.ester.ee/record=b1953746*est

Load shifting in the existing distribution network and perspectives for EV charging - case study

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Rosin, Argo; Mölder, Heigo 2014 5th IEEE PES Innovative Smart Grid Technologies Europe (ISGT Europe) : October 12-15, Istanbul 2014 / p. 1-6 : ill

Lootus, Jaan : 27.11.1939 - 26.09.2002 : [elulugu]

Risthein, Endel Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 57-58 : portr https://www.ester.ee/record=b4560920*est

Loovuse õpetamisest inseneridele

Järvik, Jaan Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 36-40

Loss reduction method for the isolated qZS-based DC/DC converter

Zakis, Janis; Rankis, Ivars; Liivik, Liisa Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 13-18 : ill

Low speed permanent magnet slotless generator development and implementation for windmills = Aeglasekäigulise uurdevaba püsomagnetgeneraatori väljatöötamine ja rakendamine tuulikutes

Kallaste, Ants 2013 https://www.ester.ee/record=b3000886*est

Low-power home PV systems with MPPT and PC control modes [Electronic resource]

Rosa, Carlos; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique; Pires, Vitor; Martins, Joao CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 58-62 : ill [CD-ROM]

Low-power Wind Generation grid-connected system with MPPT and PC control

Rosa, Carlos; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique; Pires, Vitor; Martins, Joao Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5991-5996 : ill <https://doi.org/10.1109/IECON.2013.6700118> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Madal- ja liginullenergiahooned : büroohoonete põhilahendused eskiis- ja eelprojekti

Kurnitski, Jarek; Thalfeldt, Martin; Kalamees, Targo; Voll, Hendrik; Uutar, Aivar; Rosin, Argo 2013

Madalpingelised aparaadikoosted. Osa 3, Jaotuskilbid, mida tohivad käsitada tavalisikud = Low-voltage switchgear and controlgear assemblies. Part 3, Distribution boards intended to be operated by ordinary persons (DBO) (IEC 61439-3:2012)

2013 https://www.ester.ee/record=b2940430*est

Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted [Võrguteavik] = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2014)

2015 http://www.ester.ee/record=b4502269*est

Madalpingelised elektripaigaldised. Osa 5-559, Elektriseadmete valik ja paigaldamine : valgustid ja valgustuspaigaldised = Low-voltage electrical installations. Part 5-559, Selection and erection of electrical equipment : luminaires and lighting installations (IEC 60364-5-55:2011, modified)

2013 https://www.ester.ee/record=b2940217*est

Madalpingelised elektripaigaldised. Osa 4-42, Kaitseviisid. Kaitse kuumustoime eest [Võrguteavik] = Low-voltage electrical installations. Part 4-42, Protection for safety. Protection against thermal effects (IEC 60364-4-42:2010, modified + IEC 60364-4-42:2010/A1:2014)

2015 http://www.ester.ee/record=b4484094*est

Madalpingelised elektripaigaldised. Osa 5-53, Elektriseadmete valik ja paigaldamine. Lülitus- ja juhtimisaparaadid [Võrguteavik] = Low-voltage electrical installations. Part 5-53, Selection and erection of electrical equipment. Switchgear and controlgear

2016 http://www.ester.ee/record=b4572360*est

Madalpingelised elektripaigaldised. Osa 5-557, Elektriseadmete valik ja paigaldamine. Abiahelad [Võrguteavik] = Low-voltage electrical installations. Part 5-557, Selection and erection of electrical equipment. Auxiliary circuits (IEC 60364-5-55:2011/A1:2012 (Clause 557))

2016 http://www.ester.ee/record=b4579708*est

Madalpingelised elektripaigaldised. Osa 5-557, Elektriseadmete valik ja paigaldamine. Abiahelad [Võrguteavik] = Low-voltage electrical installations. Part 5-557, Selection and erection of electrical equipment. Auxiliary circuits (IEC 60364-5-55:2011/A1:2012 (Clause 557))

2015

Madalpingelised elektripaigaldised. Osa 7-705, Nõuded eripaigaldistele ja -paikadele : põllundus- ja aiandusehitised = Low-voltage electrical installations. Part 7-705, Requirements for special installations or locations : agricultural and horticultural premises

2013 https://www.ester.ee/record=b2940362*est

Madalpingelised elektripaigaldised. Osa 7-705, Nõuded eripaigaldistele ja -paikadele : põllundus- ja aiandusehitised = Low-voltage electrical installations. Part 7-705, Requirements for special installations or locations : agricultural and horticultural premises (IEC 60364-7-705:2006, modified)

2013 https://www.ester.ee/record=b2940368*est

Madalpingelised elektripaigaldised. Osa 7-710, Nõuded eripaigaldistele ja -paikadele. Ravipaigad = Low-voltage electrical installations. Part 7-710, Requirements for special installations or locations. Medical locations (IEC 60364-7-710:2002, modified)

2013 https://www.ester.ee/record=b2908455*est

Madalpingelised elektripaigaldised. Osa 7-722, Nõuded eripaigaldistele ja -paikadele. Elektrisõidukite toide [Võrguteavik] = Low-voltage electrical installations. Part 7-722, Requirements for special installations or locations. Supplies for electric vehicles (IEC 60364-7-722:2015, modified)

2016 http://www.ester.ee/record=b4616843*est

Madalpingelised elektripaigaldised. Osa 7-730, Nõuded eripaigaldistele ja -paikadele. Sisevetesõidukite elektrilised kalda-toiteühendused [Võrguteavik] = Low-voltage electrical installations. Part 7-730, Requirements for special installations or locations. Onshore units of electrical shore connections for inland navigation vessels

2016 http://www.ester.ee/record=b4579719*est

Madalpingelised elektripaigaldised. Osa 7-753, Nõuded eripaigaldistele ja -paikadele. Küttesüsteemid [Võrguteavik] = Low-voltage electrical installations. Part 7-753, Requirements for special installations or locations. Heating cables and embedded heating systems (IEC 60364-7-753:2014)

2015 http://www.ester.ee/record=b4460555*est

Madalpingelised elektripaigaldised. Osa 8-1, Energiatõhusus [Võrguteavik] = Low-voltage electrical installations. Part 8-1, Energy efficiency (IEC 60364-8-1:2014, modified)

2015 http://www.ester.ee/record=b4493970*est

Madalpingelised lülitisaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2007, modified+A1:2010+A2:2014)

2015 https://www.ester.ee/record=b4532304*est

Magnetic properties of reduced Dy NdFeB permanent magnets and their usage in electrical machines

Vaimann, Toomas; Kallaste, Ants; Kilk, Aleksander; Belahcen, Anouar IEEE AFRICON 2013 : [proceedings] 2013 / p. 1124-1128 : ill <https://doi.org/10.1109/AFRCON.2013.6757787> Conference Proceedings at Scopus Article at Scopus

Makroökonomika meetodite kohandamine hoone elektrisüsteemi uuenduste prognoosimisel. Prognoosimisprotsessi kirjeldus. Konkreetse elektripaigaldise uuenduse analüüs

Saikovski, Valeri; Teemets, Raivo TEUK XV : taastuvate energiaallikate uurimine ja kasutamine : viieteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : fifteenth conference proceedings, Tartu, Estonia, 2013 2013 / lk. 77-85 : ill

Mathematical model for real-time assessment of contributions of disturbing sources to power quality level at a point of common coupling

Sayenko, Yuri; Sukhonos, Maria; Kalyuzhnyi, Dmitry; **Bolgov, Viktor** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 29-35 : ill <https://doi.org/10.1109/PQ.2016.7724085>

Mathematical modeling and dynamic behavior of a lithium-ion battery system for microgrid application

Rahmoun, Ahmad; Armstorfer, Andreas; Helguero Cruz, Jorge Luis; Biechl, Helmuth; Rosin, Argo 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [6] p. : ill <https://doi.org/10.1109/ENERGYCON.2016.7513977>

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

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

Mechanical vibration analysis of induction machine under dynamic rotor eccentricity [Electronic resource]

Sobra, Jan; Vaimann, Toomas; Belahcen, Anouar 2016 17th International Scientific Conference on Electric Power Engineering (EPE) : proceedings 2016 / [4] p. : ill. [USB] <https://doi.org/10.1109/EPE.2016.7521732>

MHD-induktsioonsegistite uurimine : magistritöö

Kilk, Aleksander 1992

Microgrid control and electricity auction

Korõtko, Tarmo 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. 242-245 : ill

Microprocessor control systems of light rail vehicle traction drives

Lehtla, Madis 2006 https://www.ester.ee/record=b2170586*est

Microwave treatment against the attack of wood boring in timber structures

Mölder, Heigo; Järvik, Jaan; Pilt, Kalle; Märss, Mairo; Reiska, Rein Agronomy research 2013 / p. 497-504 : ill <https://agronomy.emu.ee/wp-content/uploads/2013/10/p11226.pdf#abstract-3069> [Journal metrics at Scopus](#) [Article at Scopus](#)

Mikrotootmisjaamaga eramu elektrienergia tarbimise ja tootmise analüüs

Märss, Mairo; Järvik, Jaan; Annuk, Andres TEUK XVI : taastuvate energiaallikate uurimine ja kasutamine : kuueteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : sixteenth conference proceedings 2014 / lk. 42-53

Miks liitiumakud süttivad? Süüdi on ohtlikud laadijad, löökidest tekkinud mõrad, praak ja kuumus

Lõugas, Hans; Rosin, Argo Eesti Päevaleht 2015 / lk. 18 <https://epl.delfi.ee/artikkel/72276075/miks-liitiumakud-syttivad-suudi-on-ohtlikud-laadijad-lookidest-tekkinud-morad-praak-ja-kuumus>

Miks peab eri valdkondade areng olema tasakaalus

Rosin, Argo Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 31-35

Milline valgus aitab pimedal ajal? : [tutvustab Tiiu Tamm]

Tamm, Tiiu; Kassak, Esme Kodutohter 2014 / lk. 32-35 : ill https://artiklid.elnet.ee/record=b2658828*est

Minu direktori-aastad

Janson, Kuno Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 213-215

Model of magnetic anisotropy of non-oriented steel sheets for finite-element method

Martin, Florian; Singh, Deepak; Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero IEEE transactions on magnetics 2016 / [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2015.2488100>

Modeling and analysis of pumping motor drives in hardware-in-the-loop environment

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja Journal of power and energy engineering 2014 / p. 19-27 : ill

Modeling of demand side management scenarios in apartment buildings

Vill, Kaija; Rosin, Argo; Lehtla, Madis PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 113-118 : ill <https://doi.org/10.1109/PQ.2016.7724099>

Modeling of grid-connected quasi-Z-source series resonant topology based microinverter

Roasto, Indrek; Jalakas, Tanel; Husev, Oleksandr 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 192-195 : ill <https://doi.org/10.1109/CPE.2016.7544183>

Modeling of hysteresis losses in ferromagnetic laminations under mechanical stress

Rasilo, Paavo; Singh, Deepak; Aydin, U.; Martin, Florian; Kouhia, Reijo; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetics 2016 / art. 7300204, [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2015.2468599>

Modelling of electricity spot price and load forecast based new energy management system for households

Lebedev, Denis; Rosin, Argo 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 222-226 : ill

Multi-cell DC-DC converter with high step-down voltage ratio [Electronic resource]

Tibola, Gabriel; Duarte, Jorge; **Blinov, Andrei** ECCE 2015 : IEEE Energy Conversion Congress & expo : Montreal, Canada, September 20-24, 2015 2015 / p. 2010-2016 : ill. [USB] <http://dx.doi.org/10.1109/ECCE.2015.7309944>

Multi-criteria design optimization of ultra large diameter permanent magnet generator

Pabut, Ott; Eerme, Martin; Kallaste, Ants; Vaimann, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 42-48 : ill <https://doi.org/10.5755/j01.eee.21.3.10278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-mode quasi-Z-source series resonant DC/DC converter for wide input voltage range applications

Vinnikov, Dmitri; Chub, Andrii; Roasto, Indrek; Liivik, Liisa Applied Power Electronics Conference and Exposition : APEC 2016 : Long Beach Convention & Entertainment Center, March 20-24, 2016 2016 / p. 2533-2539 : ill <https://doi.org/10.1109/APEC.2016.7468221> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Multi-motor pressure management system with minimal energy consumption

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 243-247 : ill <https://doi.org/10.1109/INDIN.2016.7819166>

Multiphase interleaved DC-DC converter with directly and inversely coupled inductors [Online resource]

Kroics, Kaspars; **Zakis, Janis**; Sirmelis, Ugis 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763102>

Mõtisklusi kolleegist Endel Ristheinast

Teemets, Raivo Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 36-45 : fot

Mõtteid haridusest

Järvik, Jaan 2015 https://www.ester.ee/record=b4529364*est

Mõõtetratod. Osa 4, Lisanõuded ühitatud trafodele [Võrguteavik] = Instrument transformers. Part 4, Additional requirements for combined transformers (IEC 61869-4:2013)

2015 http://www.ester.ee/record=b4502348*est

Necessity for implementation of inverse problem theory in electric machine fault diagnosis

Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants SDEMPED 2015 : 10th IEEE International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives : Guarda, Portugal, September 1-4, 2015 : proceedings 2015 / p. 380-385 : ill <http://dx.doi.org/10.1109/DEMPED.2015.7303718>

Three-level neutral-point-clamped quasi-Z-source inverter with maximum power point tracking for photovoltaic systems

Roncero-Clemente, Carlos; Stepenko, Serhii; **Husev, Oleksandr**; Minambres-Marcos, Victor; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** Technological innovation for the Internet of things : 4th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems : DoCEIS 2013 : Costa de Caparica, Portugal, April 15-17, 2013 : proceedings 2013 / p. 334-342 https://doi.org/10.1007/978-3-642-37291-9_36 https://link.springer.com/chapter/10.1007/978-3-642-37291-9_36 [Article collection metrics at Scopus](#) [Article at Scopus](#)

New active clamp circuit for current-fed galvanically isolated DC/DC converters [Electronic resource]

Zakis, Janis; Vinnikov, Dmitri; Kolosov, Valery; Vasechko, Evgen CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 353-358 : ill [CD-ROM]

New converter topologies for integration of hydrogen based long-term energy storages to renewable energy systems =

Uued muundurite topoloogiad vesinikul põhinevate energiasalvestite integreerimiseks taastuenergiastesüsteemidesse

Andrijanovič, Anna 2013 http://www.ester.ee/record=b2946972*est

New hysteresis current control for grid connected single-phase three-level quasi-Z-source inverter

Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique APEC 2014 : Twenty-Ninth Annual IEEE Applied Power Electronics Conference and Exposition : March 16-20, 2014, Fort Worth Convention Center - Fort Worth, Texas 2014 / p. 1765-1770 : ill <https://doi.org/10.1109/APEC.2014.6803544> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

New shoot-through control methods for qZSI-based DC/DC converters

Roasto, Indrek; Vinnikov, Dmitri; Zakis, Janis; Husev, Oleksandr IEEE transactions on industrial informatics 2013 / p. 640-647 : ill <https://doi.org/10.1109/TII.2012.2224353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New trends in galvanically isolated impedance-source DC-DC energy conversion

Chub, Andrii Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 49-50 : ill

Novel family of modified qZS buck-boost multilevel inverters with reduced switch count

Husev, Oleksandr; Strzelecki, Ryszard; Blaabjerg, Frede; Chopyk, Vasiliy; Vinnikov, Dmitri 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 98-105 : ill <http://dx.doi.org/10.1109/CPE.2015.7231056>

Novel family of quasi-Z-source DC/DC converters derived from current-fed push-pull converters

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri; Blaabjerg, Frede 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 4 2014 / p. 3175-3184 : ill

Novel family of single-phase modified impedance-source buck-boost multilevel inverters with reduced switch count

Husev, Oleksandr; Strzelecki, Ryszard; Blaabjerg, Frede; Chopyk, Vasiliy; Vinnikov, Dmitri IEEE transactions on power electronics 2016 / p. 7580-7591 : ill <https://doi.org/10.1109/TPEL.2016.2569535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nõuded mikrogeneraatorjaamade ühendamiseks rööbiti avalike madalpingeliste jaotusvõrkudega [Võrguteavik] = Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks

2015 http://www.ester.ee/record=b4455898*est

Näitus " Elektrotehnika instituut läbi ajaloo" TTÜs : TTÜ Raamatukogu

Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 173 : fot https://www.ester.ee/record=b4560920*est

Nüüdisaegne leedvalgustus bensiinijaamades

Tamm, Tiiu Elektriala 2014 / lk. 12-13 : fot

Ohutusmeetmed riski vähendamiseks väljaspool ehitist [Võrguteavik] = Safety procedures for reduction of risk outside a structure (IEC/TR 62713:2013)

2015 http://www.ester.ee/record=b4457318*est

On the design process of a 6-kVA quasi-Z-inverter employing SiC power devices

Zdanowski, Mariusz; Peftitsis, Dimosthenis; Piasecki, Szymon; Rabkowski, Jacek IEEE transactions on power electronics 2016 / p. 7499-7508 : ill <https://doi.org/10.1109/TPEL.2016.2527100>

Online partial discharge diagnostics in medium voltage branched cable networks

Shafiq, Muhammad; Lehtonen, Matti; Isa, M.; Kütt, Lauri Proceedings of 2013 Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : Istanbul, Turkey, 13-17 May 2013 2013 / p. 246-251 : ill <https://ieeexplore.ieee.org/abstract/document/6635614>

Operation of Single-Chip MOSFET and IGBT Devices after failure due to repetitive avalanche [Electronic resource]

Blinov, Andrei; Norrga, Staffan; Tibola, Gabriel EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / p. 1-9 : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309190>

Operation strategy and shoot-through indirect control method for three-phase Z-source inverters

Roncero-Clemente, Carlos; Husev, Oleksandr; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Milanes-Montero, Maria Isabel 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 576-581 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266380>

Optimal supercapacitor energy storage system sizing for traction substations

Sirmelis, Ugis; Zakis, Janis; Grigans, Linards 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 592-595 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266383>

Optimization of concentrated solar thermoelectric generator system for highest yearly electric output

Kütt, Lauri; Millar, John; Lehtonen, Matti; Märss, Mairo 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 139-144 : ill

Optimization of method of adjustment of productivity of multi-pump system containing directly connected motors

Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery PQ2014 : the 9th International 2014 Electric Power Quality and Supply

Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 209-214 : ill

Optimization of the inverter size for grid-connected residential wind energy systems with peak shaving

Allik, Alo; **Märss, Mairo**; Uiga, Jaanus; Annuk, Andres Renewable energy 2016 / p. 1116-1125 : ill

<https://doi.org/10.1016/j.renene.2016.08.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimizing EV driving-recharge time ratio a under limited grid connection

Tsimomeny, M.; **Hõimoja, Hardi** 7th IET International Conference on Power Electronics, Machines and Drives (PEMD 2014) : Manchester, United Kingdom, 8–10 April 2014. Vol. 2 2014 / p. 903-908 : ill

Output filter design for grid connected single phase three-level quasi-Z-source inverter [Electronic resource]

Husev, Oleksandr; Stepenko, Serhii; Roncero-Clemente, Carlos; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 46-51 : ill [CD-ROM]

Output voltage control system for a three-level neutral-point clamped quasi-Z-source inverter

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Stepenko, Serhii; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** Przegląd elektrotechniczny = Electrical review 2013 / p. 76-80 : ill <http://pe.org.pl/articles/2013/5/16.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Overview of control methods of reluctance machines with sensors and sensorless

Melentjev, Sergei; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 26-29 : ill

Overview of impedance source networks for voltage source inverters

Shults, Tatiana; Husev, Oleksandr; Zakis, Janis 2015 16th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices (EDM 2015) : Erlagol (Altai Republic), Russia, 29 June-3 July 2015 2015 / p. 514-520 : ill

Overview of simplified mathematical models of batteries

Melentjev, Sergei; Lebedev, Deniss 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. 231-235 : ill

P and Q control strategy for single phase Z/qZ source inverter based on d-q frame

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2048-2053 : ill

Paljupooluseline püsimagnetitega sünkroongeneraator tuuleagregaatidele = Multipole permanent-magnet synchronous generator for wind power applications

Kilk, Aleksander 2008 https://www.ester.ee/record=b2449810*est

Paralleel- ja järjestikresonantsi parameetrilise vaheldumisega võrgusageduslik resonantsmuundur ja selle rakendamine

Janson, Kuno 2001 https://www.ester.ee/record=b1465377*est

Parameters identification and modeling of high-frequency current transducer for partial discharge measurements

Shafiq, Muhammad; **Kütt, Lauri**; Lehtonen, Matti; Nieminen, Tatu; Hashmi, Murtaza IEEE sensors journal 2013 / p. 1081-1091 : ill

<https://doi.org/10.1109/JSEN.2012.2227712>

https://www.academia.edu/101513170/Parameters_Identification_and_Modeling_of_High_Frequency_Current_Transducer_for_Partial_Discharge_Measurements [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Passive modular structure of a SEPIC based DC/DC converter

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri 2014 IEEE International Conference on Intelligent Energy and Power Systems (IEPS) : conference proceedings : June 2-6, 2014, Kyiv, Ukraine 2014 / p. 81-85 : ill

Patentsed leiutised : [Juhan Laugise ja kaasautorite]

Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 82-83 https://www.ester.ee/record=b2941131*est

Patentsed leiutised. Bibliograafia

Hugo Tiismus 10.04.1924 - 07.01.2007 : meenutused. Fotod. Bibliograafia 2014 / lk. 55-67

Performance evaluation of PD monitoring technique integrated into medium voltage cable network for smart condition

assessment

Shafiq, Muhammad; Lehtonen, Matti; Hussain, Ghulam A.; **Kütt, Lauri** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 351-357 : ill

Performance improvement of pumps fed by the variable speed drives

Vodovozov, Valery; Bakman, Ilja Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 45-51 : ill

Peter-Klaus Budig 15.07.1928-25.11.2012 : in memoriam

Risthein, Endel Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 325-326

Pilk energeetika ja elektrivarustuse tulevikku

Lehtla, Tõnu Elektriala 2016 / lk. 12-15 : ill https://artiklid.elnet.ee/record=b2762698*est

Plahvatusohtlikes keskkondades kasutatavate elektriseadmete liigitamine

Risthein, Endel Elektriala 2015 / lk. 8 https://artiklid.elnet.ee/record=b2721076*est

Plahvatusohtlikud keskkonnad. Osa 10-2, Piirkondade liigitus. Plahvatusohtlikud tolmkeskkonnad [Vörguteavik] = Explosive atmospheres. Part 10-2, Classification of areas. Explosive dust atmospheres (IEC 60079-10-2:2015)

2015 http://www.ester.ee/record=b4524212*est

PLC-based flow rate control system for centrifugal pumps

Gevorkov, Levon; Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 239-243 : ill

PLC-based hardware-in-the-loop simulator of a centrifugal pump

Gevorkov, Levon; Vodovozov, Valery; Lehtla, Tõnu; Raud, Zoja 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 491-496 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266366>

PLC-based pressure control in multi-pump applications

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 23-29 : ill <http://dx.doi.org/10.1515/ecce-2015-0008>

PMSG based residential wind turbines : possibilities and challenges

Bisenieks, Lauris; **Vinnikov, Dmitri**; Galkin, Ilja Agronomy research 2013 / p. 295-306 : ill

https://www.academia.edu/83733935/PMSG_based_residential_wind_turbines_possibilities_and_challenges Journal metrics at Scopus Article at Scopus

Possible manufacturing tolerance faults in design and construction of low speed slotless permanent magnet generator

Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 4 2014 / p. 3073-3082 : ill

Power accounting for ship electric propulsion

Vodovozov, Valery; Lehtla, Tõnu Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 33-37 : ill

Power converter interfaces for electrochemical energy storage systems - a review

Fernao Pires, Vitor; Romero-Cadaval, Enrique; **Vinnikov, Dmitri; Roasto, Indrek**; Martins, Joao Energy conversion and management 2014 / p. 453-475 : ill <https://doi.org/10.1016/j.enconman.2014.05.003> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Power electronics : electrical energy converters

Raud, Zoja; Vodovozov, Valery 2014 https://www.ester.ee/record=b4421523*est

Power factor correction with vehicle-to-grid STATCOM implementation

Rassõlkin, Anton; Kallaste, Ants; Hõimoja, Hardi PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 177-180 : ill

Power quality issues concerning photovoltaic generation in distribution grids

Niitsoo, Jaan; Jarkovoi, Marek; Taklaja, Paul; Klüss, Joni; Palu, Ivo Smart grid and renewable energy 2015 / p. 148-163 : ill

Power quality problems in low voltage networks of Estonia

Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Sakkos, Tiiu CIRED 2013 : 22nd international conference & exhibition on electricity distribution : 10-13 june 2013 Kistamässan, Kista, Stockholm, Sweden : electricity distribution systems for a sustainable future : special reports 2013 / p. 1-4 : ill

Power supply system based on photovoltaic panels and three-level NPC inverter

Shults, Tatiana Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 154-157 : ill

PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11 - 13, 2014, Rakvere, Estonia : proceedings

2014 https://www.ester.ee/record=b4479987*est

PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings

2016

Practical use of the energy management system with day-ahead electricity prices

Lebedev, Denis; Rosin, Argo 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 394-398 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266349>

Predictive control of a variable-speed multi-pump motor drive

Bakman, Ilja; Gevorkov, Levon; Vodovozov, Valery Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 1409-1414 : ill

Pressure control with minimal power consumption of a pumping station

Vodovozov, Valery; Raud, Zoja Recent Advances in Environmental and Earth Sciences and Economics : [proceedings of the EEDE 2015, GESE 2015, MANASE 2015, WHH 2015 : Zakynthos Island, Greece, July 16-20, 2015] 2015 / p. 242-245 : ill

Pressure regulation in centrifugal pumping system with PLC

Gevorkov, Levon Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 105-109 : ill

Primary saving opportunity in street lighting

Kuusik, Marko; Teemets, Raivo Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 117-119 : ill

Professor Juhan Laugis - inimene meie keskel

Teemets, Raivo Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 71-76 : fot
https://www.ester.ee/record=b2941131*est

Professor Juhan Laugis - väsimatu kui jõumasin : [intervjuu Juhan Laugisega]

Laugis, Juhan Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 4-8
https://www.ester.ee/record=b2941131*est

PWM for single phase 3L Z/qZ-Source inverter with balanced power losses

Roncero-Clemente, Carlos; **Husev, Oleksandr; Jalakas, Tanel**; Romero-Cadaval, Enrique; **Zakis, Janis**; Minambres-Marcos, Victor Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 71-76 : ill
<https://doi.org/10.5755/j01.eee.20.6.7270> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Päike, tuul, vesi ja biomass - elektri mikrotootja visalt ära tasuvad sõbrad

Rosin, Argo Inseneeria 2013 / lk. 12-14, 16 : ill https://artiklid.elnet.ee/record=b2620643*est

Päikeseenergia rakendamine ja tasuvus Eestis

Rosin, Argo Eesti põlevloodusvarad ja -jätmed 2014 = Estonian combustible natural resources and wastes 2014 2014 / lk. 26-27 : ill

Püramiidita ei ole püramiidi tippu : miks peab eri valdkondade areng olema tasakaalus?

Rosin, Argo Sirp 2014 / lk. 34-35 <https://www.sirp.ee/s1-artiklid/c21-teadus/2014-03-06-13-42-37-2/>

qZS-based soft-switching DC/DC converter with a series resonant LC circuit

Vinnikov, Dmitri; Zakis, Janis; Liivik, Liisa; Rankis, Ivars Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / p. 42-50 : ill

QZS-based soft-switching DC/DC converter with a series resonant LC circuit [Electronic resource]

Vinnikov, Dmitri; Zakis, Janis; Liivik, Liisa; Rankis, Ivars Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] p. : ill [CD-ROM]

Quadratic boost A-source impedance network

Siwakoti, Yam P.; **Blaabjerg, Frede; Chub, Andrii; Vinnikov, Dmitri** ECCE 2016 : IEEE Energy Conversion Congress & Expo : September 18-22, Milwaukee, WI : proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/ECCE.2016.7855374>

Quality criterion of road lighting measurement and exploring

Armas, Jelena 2008 http://www.ester.ee/record=b2431306*est

Quasi-Z-source half-bridge DC-DC converter for photovoltaic applications

Vinnikov, Dmitri; Chub, Andrii; Husev, Oleksandr; Zakis, Janis 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 / p. 2935-2940 : ill <https://doi.org/10.1109/ICIT.2015.7125531> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Rahvusvaheline elektrotehnika sõnastik. Osa 161, Elektromagnetiline ühilduvus [Võrguteavik] = International Electrotechnical Vocabulary (IEV). Chapter 161, Electromagnetic compatibility (IEC 60050-161:1990 + IEC 60050-161/Amd 1:1997 + IEC 60050-161/Amd 2:1998 + IEC 60050-161/Amd 3:2014 + IEC 60050-161/Amd 4:2014 + IEC 60050-161/Amd 5:2015)

2015 http://www.ester.ee/record=b4524695*est

Rahvusvaheline elektrotehnika sõnastik. Osa 426, Seadmed plahvatusohtlikele keskkondadele [Võrguteavik] = International electrotechnical vocabulary. Part 426, Equipment for explosive atmospheres (IEC 60050-426:2008+IEC 60050-426:2008/Amd 1:2015)

2015 http://www.ester.ee/record=b4493981*est

Rassi Jaan 100 : Jaan Järvik (Gross) 20.08.1900-14.03.1977 : suguseltsi ja hõimu raamat

Järvik, Jaan 2000 https://www.ester.ee/record=b1977879*est

Rein Vörk : 10.05.1934-01.05.2013

Lahtmets, Rain Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 357

Reliability of electric power generation in power systems with thermal and wind power plants

Valdma, Mati; Keel, Matti; Tammoja, Heiki; Kilk, Aleksander Oil shale 2007 / p. 197-208 : ill https://www.researchgate.net/publication/228623749_Reliability_of_electric_power_generation_in_power_systems_with_thermal_and_wind_plants

Remote training with self-assessment in electrical engineering

Raud, Zoja; Vodovozov, Valery International journal of social, behavioral, educational, economic, business and industrial engineering 2016 / p. 46-51 : ill <http://scholar.waset.org/1999.10/10003299>

Research and development of an active learning technology for university-level education in the field of electronics and power electronics = Aktiivõppetehnoloogia uurimine ja väljatöötamine kõrghariduse õppekavale elektroonika ja jõuelektroonika valdkonnas

Raud, Zoja 2012 https://www.ester.ee/record=b2781667*est

Research and development of control methods for low-loss IGBT inverter-fed induction motor drives = Energiatõhusa IGBT transistor-vaheldiga asünkroonajami juhtimismeetodite uurimine ja väljatöötamine

Egorov, Mikhail 2011 <https://digi.lib.ttu.ee/i/?616>

Research and development of digital control systems and algorithms for high power, high voltage isolated DC/DC converters = Võimsate kõrgepingeliste alalisvoolumuundurite arvjuhtimissüsteemide ja -algoritmide uurimine ning väljatöötamine

Roasto, Indrek 2009 https://www.ester.ee/record=b2557768*est

Research and development of electronic ballasts for smart lighting systems with light emitting diodes = Tarkades valgustussüsteemides kasutatavate LED-valgustite elektrooniliste ballastseadmete uurimine ja arendamine

Milaševski, Irena 2012

Research and development of exterior-rotor permanent magnet synchronous machines for light aerial vehicles = Välisrootoriga püsimagneetisünkroonmasinate uurimine ja väljatöötamine kergetele õhusõidukitele

Nukki, Rene 2016 <https://digi.lib.ttu.ee/i/?5378> https://www.ester.ee/record=b4575943*est

Research and development of high-power high-voltage DC/DC converters = Võimsate kõrgepingeliste alalispingemuundurite uurimine ja välmimine

Jalakas, Tanel 2010 https://www.ester.ee/record=b2607120*est

Research and development of the new topologies for the isolation stage of the power electronic transformer = Jõuelektroonilise trafo isolatsioonilüli uudsete topoloogiate uurimine ja arendamine

Beldjajev, Viktor 2013 http://www.ester.ee/record=b2969664*est

Research and development of trial instrumentation for electric propulsion motor drives = Elekterveoajamite katsekeskkonna uurimine ja arendamine

Rassõlkin, Anton 2014 https://www.ester.ee/record=b3091498*est

Research of switching properties and performance improvement methods of high-voltage IGBT based DC/DC converters = Kõrgepingelistel IGBT transistoridel põhinevate alalispingemuundurite lülitusomaduste ja jõudluse suurendamise meetodite uurimine

Blinov, Andrei 2012 http://www.ester.ee/record=b2856034*est

Research on the performances and parameters of interior PMSM used for electric vehicles

Liu, Xiangdong; Chen, Hao; Zhao, Jing; Belahcen, Anouar IEEE transactions on industrial electronics 2016 / p. 3533-3545 : ill <https://doi.org/10.1109/TIE.2016.2524415>

Research, design and implementation of auxiliary power supplies for the light rail vehicles

Vinnikov, Dmitri; Lehtla, Tõnu 2005 https://www.ester.ee/record=b2097496*est

Research, design and implementation of galvanically isolated impedance-source DC-DC converters = Galvaaniliselt isoleeritud impedantsallikaga alalispingemuundurite uurimine, süntees ja rakendamine

Chub, Andrii 2016 <http://digi.lib.ttu.ee/ii/?6209> https://www.ester.ee/record=b4601191*est

Reserves for regenerative braking of battery electric vehicles

Raud, Zoja; Vodovozov, Valery; Lillo, Nikolai; Rassõlkin, Anton PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 189-194 : ill

Residential load harmonics in distribution grid

Niitsoo, Jaan; Palu, Ivo; Kilter, Jako; Taklaja, Paul; Vaimann, Toomas The 3rd International Conference on Electric Power and Energy Conversion Systems (EPECS 2013) : [proceedings] 2013 / p. 1-6 : ill

Resonances in LV industrial networks when using shunt capacitors for power factor correction

Vinnal, Toomas; Sakkos, Tiiu; Janson, Kuno; Jarkovoi, Marek 23rd International Conference on Electricity Distribution : Lyon, 15-18 June 2015 / Paper 0135, p. 1-4 : ill

Resonances in LV industrial networks when using shunt capacitors for power factor correction

Vinnal, Toomas; Sakkos, Tiiu; Janson, Kuno; Jarkovoi, Marek 23rd International Conference and Exhibition on Electricity Distribution : Lyon (France), 15-18 June 2015 : special reports 2015 / p. 12/33 : ill

A review of galvanically isolated impedance-source DC-DC converters

Chub, Andrii; Vinnikov, Dmitri; Blaabjerg, Frede; Peng, Fang Zheng IEEE transactions on power electronics 2016 / p. 2808-2828 : ill <https://doi.org/10.1109/TPEL.2015.2453128> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Review of loss calculation reduction control methods of permanent magnet assisted reluctance drive

Melentjev, Sergei; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Vaimann, Toomas PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 199-206 : ill <https://doi.org/10.1109/PQ.2016.7724113>

Review of novel topologies for PV applications

Makovenko, Elena; Husev, Oleksandr; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique Technological innovation for cyber-physical systems : 7th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2016, Costa de Caparica, Portugal, April 11-13, 2016 : proceedings 2016 / p. 369-377 : ill https://doi.org/10.1007/978-3-319-31165-4_35 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A review of the effects of electric vehicle charging on distribution network operation and power quality

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan Electrical and Control Technologies : proceedings of the 8th International Conference on Electrical and Control Technologies : ECT-2013 2013 / p. 162-167

A review of the harmonic and unbalance effects in electrical distribution networks due to EV charging

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 12th International Conference on Environment and Electrical Engineering (EEEIC) : 5-8 May 2013 2013 / [6] p

Review of thermal analysis of permanent magnet assisted synchronous reluctance machines

Ghahfarokhi, Payam Shams; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas; Rassõlkin, Anton PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 219-224 <https://doi.org/10.1109/PQ.2016.7724116>

Road lighting measurement and evaluation of new technologies

Varjas, Toivo; Oorn, Arvo Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 158-160 : ill

100% taastuenergiat - kas rikkus või vaesus?

Rosin, Argo Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 26-28

175 aastat rakenduslike elektrialaste uuringute algusest Eestis

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 103-111 : ill

Scientific platforms to explore and test the drives of electric cars

Vodovozov, Valery 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. 42-47 : ill

Segregation of iron losses from rotational field measurements and application to electrical machine

Belahcen, Anouar; Rasilo, Paavo; Arkkio, Antero IEEE transactions on magnetics 2014 / p. 893-896 : ill

<https://doi.org/10.1109/TMAG.2013.2284606> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Self-assessment in learning electrical engineering disciplines

Raud, Zoja Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 23-27 : ill

Self-assessment methodology in active learning electrical engineering

Raud, Zoja; Vodovozov, Valery Recent Advances on Education and Educational Technologies : [proceedings of EET 2015, Barcelona, Spain, April 7-9, 2015, ETE 2015, Vienna, Austria, March 15-17, 2015] 2015 / p. 58-62 : ill

Self-scaling laboratory crane fuzzy logic control with anti-swing regulation [Online resource]

Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill

<https://doi.org/10.1109/RTUCON.2016.7763088>

Semiconductor power loss reduction and efficiency improvement techniques for the galvanically isolated quasi-Z-source DC-DC converters = Galvaaniliselt isoleeritud kvaasiimpedantsallikaga alalispingemuunduri pooljuhtide võimsuskao vähendamine ja kasuteguri suurendamine

Liivik, Liisa 2015 https://www.ester.ee/record=b4484169*est

Semi-natural simulation of pumping systems

Gevorkov, Levon 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. 129-134 : ill

Sensor resonance and its influence on the measurement results of fast transients

Kütt, Lauri; Shafiq, Muhammad; Lehtonen, Matti; Mölder, Heigo; Järvi, Jaan Proceedings of the International Conference on Power Systems Transients (IPST2013) in Vancouver, Canada July 18-20, 2013 2013 / [7] p. : ill

https://www.ipstconf.org/papers/Proc_IPST2013/13IPST134.pdf

Sensorless control of the three-dimensional crane using the Euler-Lagrange approach with a built-in state-space model

Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 255-258 : ill

Sensorless pressure calculation for parallel redundancy in pumping systems

Vodovozov, Valery; Bakman, Ilja 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 1 2014 / p. 210-218 : ill

Sensorless pressure control of centrifugal pumps [Electronic resource]

Bakman, Ilja; Vodovozov, Valery CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 304-309 : ill [CD-ROM]

SEPIC-based modular DC/DC converter

Chub, Andrii 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. 53-55 : ill

Short-circuit protection circuits for silicon-carbide power transistors

Sadik, Diane-Perle; Colmenares, Juan; Tolstoy, Georg; Rabkowski, Jacek IEEE transactions on industrial electronics 2016 / p. 1995-2004 : ill <https://doi.org/10.1109/TIE.2015.2506628>

Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii Scientific Journal of

Simulation of real time electricity price based energy management system [Online resource]

Lebedev, Denis; Rosin, Argo; Kütt, Lauri Proceedings of the IECON2016 - 42nd Annual Conference of the Industrial Electronics Society : Florence (Italy), October 24-27, 2016 2016 / p. 2106-2110 : ill <https://doi.org/10.1109/IECON.2016.7793991> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulation study of high step-up quasi-Z-source DC-DC converter with synchronous rectification

Liivik, Liisa; Vinnikov, Dmitri; Zakis, Janis 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 34-37 : ill

Simulation study of nonlinear PI-controller with quasi-Z-source derived push-pull converter

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 26-31 : ill

Simulation study of the grid-connected single-phase impedance-sourced NPC inverter with different control methods

Roncero-Clemente, Carlos; Husev, Oleksandr; Romero-Cadaval, Enrique; Zakis, Janis; Vinnikov, Dmitri; Milanes-Montero, Maria Isabel 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 2015 / p. 2949-2954 : ill <https://doi.org/10.1109/ICIT.2015.7125533> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Simulation study of the pressure control system for a centrifugal pump [Online resource]

Gevorkov, Levon; Vodovozov, Valery; Raud, Zoja 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763086>

Simulation study of the three-level boost DC-DC converter with full ZVS for PV application

Vorobei, Vasiliy; Zakis, Janis; Husev, Oleksandr; Veligorskyi, Oleksandr; Savenko, Oleksandr ICPE 2015 - ECCE Asia : 9th International Conference on Power Electronics - ECCE Asia : "Green World with Power Electronics" : June 1-5, 2015, 63 Convention Center, Seoul, Korea 2015 / p. 2038-2043 : ill <http://dx.doi.org/10.1109/ICPE.2015.7168058>

Single phase three-level neutral-point-clamped quasi-Z-source inverter

Husev, Oleksandr; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Stepenko, Serhii IET power electronics 2015 / p. 1-10 : ill <https://doi.org/10.1049/iet-pel.2013.0904> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Single-phase 3L PR controlled qZS inverter connected to the distorted grid

Makovenko, Elena; Husev, Oleksandr; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Blaabjerg, Frede 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 234-239 : ill <https://doi.org/10.1109/CPE.2016.7544191>

Single-phase electric drive for automotive applications

Vodovozov, Valery; Lillo, Nikolai; Raud, Zoja 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 1313-1318 : ill

Single-phase power electronics transformer with active functions for smart grid

Minambres-Marcos, Victor; Roasto, Indrek; Romero-Cadaval, Enrique; Strzelecki, Ryszard; Barrero-Gonzalez, Fermin 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 528-533 : ill <http://dx.doi.org/10.1109/CPE.2015.7231131>

Single-switch galvanically isolated quasi-Z-source DC-DC converter

Chub, Andrii; Vinnikov, Dmitri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 582-586 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266381>

Single-switch galvanically isolated step-op DC-DC converter for residential photovoltaic applications [Online resource]

Vinnikov, Dmitri; Chub, Andrii; Liivik, Elizaveta Proceedings of the IECON2016 - 42nd Annual Conference of the Industrial Electronics Society : Florence (Italy), October 24-27, 2016 2016 / p. 6578-6582 : ill <https://doi.org/10.1109/IECON.2016.7793776> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Sissejuhatus digitaaltehnikasse

Lehtla, Madis 2016 http://www.ester.ee/record=b4618200*est

Skeemipesa ideed lendavad Silicon Valley ni välja

Ramler, Gerli Inseneeria 2016 / lk. [42-45] : fot https://artiklid.elnet.ee/record=b2766799*est

Speed control strategy selection for multi-pump systems

Bakman, Ilya; Gevorkov, Levon 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga

A standard-based software infrastructure to support weather forecasting in distributed energy systems [Electronic resource]

Oliviera-Lima, Jose A.; Delgado-Gomes, Vasco; Martins, Joao; Lima, Celso; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 36-39 : ill [CD-ROM]

Startup strategy for grid connected PV micro inverter

Roasto, Indrek; Jalakas, Tanel BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 187-190 : ill
http://www.ester.ee/record=b2150914*est

State of the art review of PV module-level power electronics

Kosenko, Roman Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 146-151 : ill

State-of-the-art review of Z-source and quasi-Z-source DC/DC converter topologies

Chub, Andrii; Husev, Oleksandr; Ivanets, Sergii 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. 68-75 : ill

Stator voltage analysis of frequency converter fed induction generator with broken rotor bars

Vaimann, Toomas; Belahcen, Anouar; Martinez, Javier; **Kilk, Aleksander** 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. 249-251 : ill

Steady state analysis of the commutating LC filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]

Beldjajev, Viktor; Rang, Toomas; Zakis, Janis CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 138-143 : ill [CD-ROM]

Steady-state analysis of qZS-derived push-pull DC/DC converter with wide input voltage regulation range [Electronic resource]

Husev, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri; Chub, Andrii CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 320-325 : ill [CD-ROM]

Stiihilise taastuenergia kohandamine inimeste tehiskeskkonna vajadustele

Janson, Kuno; Kallaste, Ants Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 29-39 : ill

Stopp üliohtlikule arengukavale

Järvik, Jaan Mente et Manu 2015 / lk. 12-14 : ill https://artiklid.elnet.ee/record=b2750871*est

Struktuurireformist Tallinna Tehnikaülikoolis ja elektriala haridus

Oorn, Arvo Elektriala 2016 / lk. 8-9 : ill https://artiklid.elnet.ee/record=b2797297*est

A study of different aspects for building a thermal model for lithium-ion cells

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** 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. 47-52 : ill

Study of e-vehicle drive behaviour under changeable control

Rassõlkin, Anton; Vodovozov, Valery; Raud, Zoja Digest book and electronic proceedings : 54th International Scientific Conference of Riga Technical University : Section of Power and Electrical Engineering 2013 / p. 13.1-13.5 : ill

Study of the centrifugal pump efficiency at throttling and speed control

Gevorkov, Levon; Vodovozov, Valery BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 199-202 : ill
http://www.ester.ee/record=b2150914*est

Study on power losses of the full soft-switching current-fed DC/DC converter with Si and GaN devices

Chub, Andrii; Rabkowski, Jacek; Blinov, Andrei; Vinnikov, Dmitri IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 13-18

Survey of harmonic emission of electrical vehicle chargers in the European market

Collin, A. J.; Xu, Xiao; Djokic, S. Z.; Möller, F.; Meyer, Jan; **Kütt, Lauri;** Lehtonen, Matti SPEEDAM 2016 - proceedings : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Capri (Italy), 22nd-24th June 2016 2016 / p. 1208-1213 : ill <https://doi.org/10.1109/SPEEDAM.2016.7526005>

Suuruste ja ühikute tähistest elektrotehnikas

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 94-102

Switched-capacitor current-fed quasi-Z-source inverter

Chub, Andrii; Husev, Oleksandr; Zakis, Janis; Rabkowski, Jacek BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 229-232 : ill

Säästlik valgustus ei pruugi olla tervislik

Sommer-Kalda, Sirle; **Tamm, Tiit** Põhjarannik 2015 / lk. 5 : fot <https://pohjarannik.postimees.ee/term/8500/valgustus>

Synchronous rectification in quasi-Z-source converters : possibilities and challenges

Liivik, Liisa; Vinnikov, Dmitri; Jalakas, Tanel 2014 IEEE International Conference on Intelligent Energy and Power Systems (IEPS) : conference proceedings : June 2-6, 2014, Kyiv, Ukraine 2014 / p. 32-35 : ill

Zero-voltage switching galvanically isolated current-fed full-bridge DC-DC converter

Chub, Andrii; Kosenko, Roman; Blinov, Andrei 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 455-459 : ill <https://doi.org/10.1109/CPE.2016.7544231>

Tallinna Tehnikaülikooli elektrotehnika instituudi kujunemislugu

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 112-117

Tallinna Tehnikaülikooli elektrotehnika instituudi kujunemislugu

Risthein, Endel Elektriala 2013 / lk. 28-29

Tallinna Tehnikaülikooli elektrotehnika instituudi kujunemislugu : [kronoloogia]

Risthein, Endel Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. [182] https://www.ester.ee/record=b4560920*est

Tallinna Tehnikaülikoolis vastloodud elektrotehnika instituut soovib olla elektriala kompetentsikeskus : [intervjuu Tõnu Lehtlaga]

Lehtla, Tõnu; Aro, Rein Elektriala 2013 / lk. 6-9 : fot

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

Tarkvõrk : terminoloogia = Smart grid : terminology [Võrguteavik]

2016 http://www.ester.ee/record=b4615584*est

Teaching, learning, and assessment in electronics using concept mapping technology

Raud, Zoja; Vodovozov, Valery Recent Advances in Electrical Engineering : proceedings of the 4th International Conference on Circuits, Systems, Control, Signals (CSCS '13), proceedings of the 1st International Conference on Electronics and Electrical Engineering (ELEEL '13) : Valencia, Spain, August 6-8, 2013 2013 / p. 102-107 <https://www.semanticscholar.org/paper/TEACHING%2C-LEARNING%2C-AND-ASSESSMENT-INTEGRATION-IN-Raud-Vodovozov/cb585ef4d9928282bda584b05ad9cc3129a18de8>

Teaching, learning, and assessment integration in electronics on the concept map basis

Raud, Zoja; Vodovozov, Valery; Lehtla, Tõnu Innovating with concept mapping : proceedings of the 7th International Conference on Concept Mapping : CMC 2016, Tallinn, Estonia, September 5-9, 2016. Volume 2, [Papers, posters and innovative experiences] 2016 / p. 199-207 : ill http://www.ester.ee/record=b4604151*est

Teaduspreemia tehnikateaduste alal uurimuste tsükli "Uudsed alalispingemuundurid taastuenergeetikas" eest : Dimitri Vinnikov, Tanel Jalakas, Indrek Roasto

Vinnikov, Dmitri; Jalakas, Tanel; Roasto, Indrek Eesti Vabariigi teaduspreemiad 2014 2014 / lk. 64-74 : fot., ill

Teevalgustus. Osa 2, Toimivusnõuded [Võrguteavik] = Road lighting. Part 2, Performance requirements

2016 http://www.ester.ee/record=b4601917*est

Teevalgustus. Osa 3, Toimivuse arvutamine [Võrguteavik] = Road lighting. Part 3, Calculation of performance

2016 http://www.ester.ee/record=b4604178*est

Teevalgustusstandardid uuenesid

Risthein, Endel Elektriala 2016 / lk. 11 https://artiklid.elnet.ee/record=b2808837*est

Tehnikakeel nõuab täpsust

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 88-93

Tehnikaülikool vs. inseneriteaduskond

Lehtla, Tõnu Mente et Manu 2015 / lk. 7-9 : fot https://artiklid.elnet.ee/record=b2711280*est

A test bench to study propulsion drives of electric vehicles [Electronic resource]

Rassõlkin, Anton; Vodovozov, Valery CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 275-279 : ill [CD-ROM]

A test bench to study propulsion drives of electric vehicles with a supercapacitor storage system [Electronic resource]

Rassõlkin, Anton; Vodovozov, Valery Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] p. : ill [CD-ROM]

The quasi-Z-source DC/DC converter with a series resonant circuit

Liivik, Liisa 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. 135-140 : ill

Thermal analysis of electromagnetic levitation coil [Electronic resource]

Ghahfarokhi, Payam Shams; Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas 2016 17th International Scientific Conference on Electric Power Engineering (EPE) : proceedings 2016 / [5] p. : ill. [USB] <https://doi.org/10.1109/EPE.2016.7521725>

Thermal analysis of the PM generator with outer rotor for wind turbine application

Kudrjartsev, Oleg; Kilk, Aleksander; Vaimann, Toomas PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 229-232 : ill <https://doi.org/10.1109/PQ.2016.7724118>

13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : in memoriam of professor Juhan Laugis : Pärnu, Estonia, January 14-19, 2013

2013 http://www.ester.ee/record=b2925939*est

Three-dimensional crane modelling and control using Euler-Lagrange state-space approach and anti-swing fuzzy logic

Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 5-13 : ill <http://dx.doi.org/10.1515/ecce-2015-0006>

Three-dimensional eddy-current analysis in steel laminations of electrical machines as a contribution for improved iron loss modeling

Handgruber, Paul; Stermecki, Andrej; Biro, Oszkar; **Belahcen, Anouar**; Dlala, Emad IEEE transactions on industry applications 2013 / p. 2044-2052 : ill <https://doi.org/10.1109/TIA.2013.2260713> <https://ieeexplore.ieee.org/document/6510501> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3D permeance model of induction machines taking into account saturation effects and its connection with stator current and shaft speed spectra

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero IET electric power applications 2015 / p. 20-29 : ill <http://dx.doi.org/10.1049/iet-epa.2014.0013>

Three-level three-phase quasi-Z-source neutral-point-clamped inverter with novel modulation technique for photovoltaic application

Husev, Oleksandr; Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Vinnikov, Dmitri; Jalakas, Tanel** Electric power systems research 2016 / p. 10-21 : ill <https://doi.org/10.1016/j.epsr.2015.08.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A three-phase full soft-switching current-fed naturally clamped DC-DC converter for high-power energy storage applications

Chub, Andrii; Kosenko, Roman; Blinov, Andrei 2016 2nd International Conference on Intelligent Energy and Power Systems (IEPS) : Kyiv, Ukraine, June 7-11, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/IEPS.2016.7521884>

A three-phase full soft-switching current-fed naturally clamped DC-DC converter for high-power fuel cell applications

Kosenko, Roman; Chub, Andrii; Blinov, Andrei 2016 2nd International Conference on Intelligent Energy and Power Systems (IEPS) : Kyiv, Ukraine, June 7-11, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/IEPS.2016.7521882>

Three-phase three-level neutral-point-clamped qZ source inverter with active filtering capabilities

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Romero-Cadaval, Enrique; Martins, Joao; **Vinnikov, Dmitri**; Milanes-Montero, Maria Isabel 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 216-220 : ill <http://dx.doi.org/10.1109/CPE.2015.7231075>

To study propulsion drives : test bench with supercapacitor storage

Rassõlkin, Anton; Vodovozov, Valery Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / p. 65-70 : ill

Tootmine või publikatsioonid?

Järvik, Jaan; Janson, Kuno Sirp 2014 / lk. 11

TPI eriala "Elektrimasinad" (0601)

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 14-15

Tracking of MPP for three-level neutral-point clamped qZ-source off-grid inverter in solar applications

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Minambres-Marcos, Victor; Romero-Cadaval, Enrique; Stepenko, Serhii; **Vinnikov, Dmitri** Journal of microelectronics, electronic components and materials 2013 / p. 212-221 : ill

https://www.researchgate.net/publication/259495902_Tracking_of_MPP_for_three-level_neutral-point_clamped_qZ-source_off-grid_inverter_in_solar_applications

A 2D magnetic and 3D mechanical coupled finite element model for the study of the dynamic vibrations in the stator of induction motors

Martinez, Javier; **Belahcen, Anouar**; Detoni, Joaquim G. Mechanical systems and signal processing 2016 / p. 640-656 : ill

<http://dx.doi.org/10.1016/j.ymssp.2015.06.014>

Tähtpäevi

Elektriala 2016 / lk. 35-36 ; 2, lk. 28-31 ; 3, lk. 33-35 ; 4, lk. 34-36 ; 5, lk. 30-32 ; 6, lk. 36-39 ; 7, lk. 29-31 ; 8, lk. 37-40

http://www.ester.ee/record=b1240496*est

Tähtpäevi

Elektriala 2013 / lk. 34-35 ; 2, lk. 33-35 ; 3, lk. 33-35 ; 4, lk. 33-35 ; 5, lk. 34-35 ; 6, lk. 41-43 ; 7, lk. 33-35 ; 8, lk. 33-35

Tähtpäevi

Elektriala 2014 / lk. 34-35 ; 2, lk. 32-34 ; 3, lk. 32-33 ; 4, lk. 32-34 ; 5, lk. 33-34 ; 6, lk. 35-38 ; 7, lk. 32-34 ; 8, lk. 40-42

Tähtpäevi

Elektriala 2015 / lk. 30-32 ; 2, lk. 32-34 ; 3, lk. 40-42 ; 4, lk. 31-34 ; 5, lk. 30-31 ; 6, lk. 36-38 ; 7, lk. 33-34 ; 8, lk. 36-38

Tänavuse Nobeli füüsikapreemiga tunnustati siniste leedide leiutajaid

Varjas, Toivo; Oorn, Arvo Elektriala 2014 / lk. 8-10 : ill https://artiklid.elnet.ee/record=b2705143*est

Töövarjupäev ASis KH Energia-Konsult

Lövi, Eva Elektriala 2013 / lk. 22-23 : ill

Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines

Belahcen, Anouar; Rasilo, Paavo; Nguyen, Thu-Trang; Clénet, Stephane COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 624-636 : ill <http://dx.doi.org/10.1108/COMPEL-10-2014-0271>

Universal single-phase voltage converter for illumination, heating and ventilation systems

Gevorkov, Levon 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. 125-128 : ill

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>

Using efficiency readings to choose the number of running pumps in multi-pump system

Bakman, Ilja 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. 88-93 : ill

Utilization of electric vehicles connected to distribution substations for peak shaving of utility network loads

Mägi, Marek Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 47-54 : ill

Uudiseid Eestist. Uudiseid maailmast

Elektriala 2014 / lk. 32-33 ; 2, lk. 31-32 ; 3, lk. 31-32 ; 4, lk. 31-32 ; 5, lk. 31-33 ; 6, lk. 35 ; 7, lk. 31-32 ; 8, lk. 39-40

Uudiseid Eestist. Uudiseid maailmast

Elektriala 2013 / lk. 32-34 ; 2, lk. 32 ; 3, lk. 32-33 ; 4, lk. 31-33 ; 5, lk. 32-34 ; 6, lk. 40 ; 7, lk. 32-33 ; 8, lk. 32

Uudiseid Eestist. Uudiseid maailmast

Elektrala 2015 / lk. 29-30 ; 2, lk. 31-32 ; 3, lk. 39-40 ; 4, lk. 30-31 ; 5, lk. 28-30 ; 6, lk. 35 ; 7, lk. 32-33 ; 8, lk. 35-36

Uudiseid Eestist. Uudiseid maailmast

Elektrala 2016 / lk. 33-34 ; 2, lk. 27-28 ; 3, lk. 32-33 ; 4, lk. 34 ; 5, lk. 28-30 ; 6, lk. 35-36 ; 7, lk. 28-29 ; 8, lk. 36-37

http://www.ester.ee/record=b1240496*est

Uuendused hoone elektrisüsteemis: mudel, klassifikatsioon ja kasutamise tulemuste prognoosimine : päikesepaneelide kasutamine Nurmevälja logistikakeskuse (80 kW) ja Agal Kinnisvarade tootmishoones (140 kW) - esmane analüüs

Saikovski, Valeri TEUK XVI : taastuvate energiaallikate uurimine ja kasutamine : kuueteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : sixteenth conference proceedings 2014 / lk. 67-79 : ill

Uusi standardeid

Risthein, Endel Elektrala 2013 / lk. 18

Valgusallikate uued uurimisvõimalused Tallinna Tehnikaülikoolis

Teemets, Raivo; Varjas, Toivo Elektrala 2013 / lk. 24-25

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>

Valuroboti mikroprotsessorjuhtimisega manipulaatori uurimine : elektriseadmed : magistritöö

Kulmar, Lembit 1992 https://www.ester.ee/record=b2630339*est

Variable-speed single-phase induction motor drive for vehicular applications

Vodovozov, Valery; Lillo, Nikolai; **Raud, Zoja** Electrical engineering eesearch (EER) 2014 / p. 18-24 : ill

Vedelmetalli juhitava segamisvõimaluse uurimine alalisvoolu kaarleekahjus = Analysis of liquid metal controlled stirring method in DC electric arc furnace

Mölder, Heigo 2012

Verification of current sensorless control for single-phase NPC multilevel inverter

Suzdalenko, Alexander; Zakis, Janis; Steiks, Ingars; Chaiko, Yelena 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 462-466 : ill <http://dx.doi.org/10.1109/CPE.2015.7231119>

Vibration and stator current spectral analysis of induction machine operating under dynamic eccentricity

Sobra, Jan; Belahcen, Anouar; Vaimann, Toomas 2015 International Conference on Electrical Drives and Power Electronics (EDPE) : 18th International Conference, 7th Joint Slovakian-Croatian Conference : proceedings : Hotel Slovan, Tatranska Lomnica, The High Tatras, Slovakia, September 21-23, 2015 2015 / p. 285-290 : ill <http://dx.doi.org/10.1109/EDPE.2015.7325307>

Vibration as fault indicator in electrical machines

Farzam Far, Mehrnaz; Belahcen, Anouar; Arkkio, Antero; Roivainen, Janne Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 120-125 : ill

Wind energy systems [Online resource]

Malinowski, Mariusz; Milczarek, Adam; Vinnikov, Dmitri; Chub, Andrii Power electronic converters and systems : frontiers and applications 2016 / p. 351-394 : ill http://dx.doi.org/10.1049/PBPO074E_ch12 http://www.ester.ee/record=b4556286*est

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 (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763119>

Visually structured methods and tools for industry automation = Visuaalselt struktureeritud meetodid ja vahendid tootmise automatiseerimiseks

Brindfeldt, Eduard 2013 <https://digi.lib.ttu.ee/i/?912> https://www.ester.ee/record=b2964322*est

Voltage balancing circuit for modular step-down DC/DC converter

Uljangs, Austris; Zakis, Janis 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical

Voltage distortion approach for output filter design for off-grid and grid-connected PWM inverters

Husev, Oleksandr; Chub, Andrii; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Vinnikov, Dmitri** Journal of power electronics 2015 / p. 278-287 : ill <https://doi.org/10.6113/JPE.2015.15.1.278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Volt-time characteristics of medium voltage overhead line porcelain pin insulators

Taklaja, Paul; Hyvönen, Petri; **Niitsoo, Jaan; Palu, Ivo;** Klüss, Joni; **Kütt, Lauri** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 423-427

Voolu toime inimestele ja koduloomadele. Osa 2, Eriaspektid = Effects of current on human beings and livestock. Part 2, Special aspects (IEC/TS 60479-2:2007)

2013 https://www.ester.ee/record=b2931696*est

Voolu toime inimestele ja koduloomadele. Osa 3, Läbi koduloomakeha kulgeva voolu toime = Effects of current on human beings and livestock. Part 3, Effects of currents passing through the body of livestock (IEC/TR 60479-3:1998)

2013 https://www.ester.ee/record=b2931701*est

Väike tagasivaade : [ilmus Elektriala 100s number]

Risthein, Endel Elektriala 2013 / lk. 5

Õiglus, sõda ja ühisalateadvus

Janson, Kuno 2016 http://www.ester.ee/record=b4562393*est <https://digikogu.taltech.ee/et/Item/c8279edc-c053-4b14-aaaf-912564daab9d>

11. energia- ja geotehnika-alane rahvusvaheline sümposium : [16.-20. jaanuaril Pärnus, parimate ettekannete eest said autasud TTÜst Veiko Karu, Zoja Raud, Anna Andrijanoviš, Imre Drovtar, Jelena Priss, Tarmo Korõtko ja Viktor Beldjajev] Rassõlkin, Anton Mente et Manu 2012 / lk. 3 : fot https://www.ester.ee/record=b1242496*est

Üldelektrotehnika : õpik kõrgkoolidele

Järvik, Jaan 2014 http://www.ester.ee/record=b4412801*est <https://digikogu.taltech.ee/et/Item/73829040-6107-4c6b-8184-1c85389acd07>

Üldtarbevalgustuse valgusdiodmoodulid [Võrguteavik] : ohutusnõuded = LED modules for general lighting : safety specifications (IEC 62031:2008 + IEC 62031:2008/A1:2012 + IEC 62031:2008/A2:2014)

2015 http://www.ester.ee/record=b4484004*est

Üleminek põlevkivielektrilt tuule- ja päikeseelektrile - kuidas ja millal?

Janson, Kuno; Bolgov, Viktor Elektriala 2013 / lk. 21 ; 2, lk. 18-19 : ill

Ülikooli perestroika : variant 2 ehk tõeline ümberrivistumine

Lehtla, Tõnu Mente et Manu 2016 / lk. 6-8 : ill https://artiklid.elnet.ee/record=b2756898*est

Визначення параметрів регулятора в системі керування DC/DC перетворювачем з квазі-імпедансною ланкою за умови стійкості для малого сигналу

Husev, Oleksandr Технічна електродинаміка 2013 / с. 18-23 : ил https://previous.techned.org.ua/2013_5/st4.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Использование разделенной коммутации в двухзвенных преобразователях постоянного напряжения для снижения динамических потерь силовых полупроводниковых ключей

Sokol, Jevgeni; Blinov, Andrei; Vinnikov, Dmitri Энергосбережение. Энергетика. Энергоаудит 2014 / 55-69 : ил

Классификация изолированных DC/DC квази-импедансных преобразователей

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri Вісник Національного Технічного Університета "ХПИ" 2013 / с. 15-21 : ил

Левитационно-стабилизирующая система транспортного средства кратковременного действия : дисс. на соиск. учен. степ. магистра техн. наук специальность 05.09.01 - электрические машины

Skvorov, Andrei 1992 https://www.ester.ee/record=b2630695*est

Модель двухтактного квази-импедансного преобразователя для малого сигнала

Chub, Andrii Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 12-19 : ил

Модель двухтактного квази-импедансного преобразователя для малого сигнала [Компьют. файл]

Chub, Andrii Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] с. : ил [CD-ROM]

Об экспериментальных испытаниях двухтактного квази-импедансного преобразователя постоянного напряжения с полупроводниковыми элементами на основе карбида кремния

Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Husev, Oleksandr Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с.51-58 : ил

Об экспериментальных испытаниях двухтактного квази-импедансного преобразователя постоянного напряжения с полупроводниковыми элементами на основе карбида кремния [Компьют. файл]

Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Husev, Oleksandr Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [2] с. : ил [CD-ROM]

Обзор низкоскоростных генераторов с постоянными магнитами для ветряных установок

Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas; Savrajev, Igor Вестник Псковского государственного университета. Технические науки 2016 / с. 58-68

Обратимый двухзвенный преобразователь постоянного напряжения с разделенной коммутацией и с неизменным знаком входного и выходного напряжения

Ивахно, В.; Замаруев, В.; Стысло, Б.; Vinnikov, Dmitri; Chub, Andrii; Kosenko, Roman Вісник Національного Технічного Університету "ХПИ" 2015 / с. 402-407 : ил

Оценка яркости рекламных экранов на оживленных перекрестках

Järv, Natalia; Ivask, Jekaterina; Varjas, Toivo Эрго 2014 : Труды Международной научно-практической конференции "Психология труда, инженерная психология и эргономика 2014", 3-5 июля 2014 г 2014 / с. 111-116 : ил

Порівняння імпедансних ланок для перетворювачів з джерелом напруги

Husev, Oleksandr; Chub, Andrii; Vinnikov, Dmitri Технічна електродинаміка 2015 / с. 25-32 : іл

<https://techned.org.ua/index.php/techned/article/view/926/803> Journal metrics at Scopus Article at Scopus

Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть

Husev, Oleksandr; Vinnikov, Dmitri; Veligorsky, O. Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 28-34 : ил

Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть [Компьют. файл]

Husev, Oleksandr; Vinnikov, Dmitri; Veligorsky, O. Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [2] с. : ил [CD-ROM]

Технико-экономическое обоснование автономной системы электроснабжения на примере Псковской области

Bandurin, Ivan; Shchelikalın, Vyacheslav; Smirnova, Anastasia; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas Вестник Псковского государственного университета. Технические науки 2016 / с. 100-109

Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе

Stepenko, Serhii Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 74-83 : ил

Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе [Компьют. файл]

Stepenko, Serhii Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] с. : ил [CD-ROM]