

#### **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

#### **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

#### **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]

#### **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](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

#### **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](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

**Alarmisüsteemid. Osa 4, Elektromagnetiline ühilduvus. Tooteperekonna standard [Võrguteavik] : häiringu taluvuse nõuded tulekahju-, sissemurde- ja kallaletungialarmisüsteemide, 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](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 elektrialamite kateedris]**

**Risthein, Endel** Juhan Laugis 07.03.1938 - 01.11.2010 : meenutused. Artiklid. Bibliograafia 2013 / lk. 26-29 : fot  
[https://www.ester.ee/record=b2941131\\*est](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](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)

**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; Arkkio, 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; Ghalemestani, Setareh Gorji; Vandevelde, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill <http://dx.doi.org/10.1109/TMAG.2014.2361681>

**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  
[http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM\\_2016\\_05/index.html](http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html)

## **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](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](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](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

## **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

**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

**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

**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]

**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

**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, Florian; 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

**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

**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]

**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>

**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

**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

**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]

**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; Gytakis, Konstantinos N.; Martinez, Javier; Clemente-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>

### **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.ester.ee/record=b2073559\\*est](https://www.ester.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; Lehikoinen, 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

### **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 <http://dx.doi.org/10.1002/cta.2212>

### **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

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

**Drovtar, Imre** 2016 <http://digi.lib.ttu.ee/76032>

**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](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; Augsborg, Klaus; Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <http://dx.doi.org/10.3390/app6120382>

**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

**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

**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

**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

**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](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](http://www.ester.ee/record=b2373654*est)

**Development of energy reserve optimization methodology for households with renewable power systems = Taastuva energia allikatega kodumajapidamiste energiareservi optimeerimise metoodika väljatöötamine**

**Auväär, Aivar** 2014 [http://www.ester.ee/record=b4412783\\*est](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**

**Korõtko, Tarmo; Merisalu, Ülo;** Mägi, Marek; **Peterson, Kristjan; Pettai, Elmo** Journal of microelectronics, electronic components and materials 2014 / p. 185-200 : ill

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

**Vaimann, Toomas** 2014 [https://www.ester.ee/record=b4376858\\*est](https://www.ester.ee/record=b4376858*est)

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

**Lehtla, Madis** 2014 [http://egdk.ttu.ee/files/2014/Digitaaltehnika\\_doktorantidele2.pdf](http://egdk.ttu.ee/files/2014/Digitaaltehnika_doktorantidele2.pdf)

**Dimmable LED drivers operating in discontinuous conduction mode**

Tetervenk, Oleg; **Milaševski, Irena** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 27-33 : ill

**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>

**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](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>

**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 <http://dx.doi.org/10.1109/TPEL.2016.2577418>

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

**Eesti-soome-rootsi-inglise-saksa elektrioskussõnu**

1994 [https://www.ester.ee/record=b1066300\\*est](https://www.ester.ee/record=b1066300*est)

**EETELi algusaastatest**

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

Viileberg, Märt; **Teemets, Raivo** Elektriala 2016 / lk. 22 : fot

**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](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](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](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](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

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

2002 [http://www.ester.ee/record=b1684735\\*est](http://www.ester.ee/record=b1684735*est)

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

**Järvi, Jaan** 1994

**Elektrienergia säästlik kasutamine hoonetes : õppematerjal**

**Teemets, Raivo; Vinnal, Toomas** 2013 [http://www.ester.ee/record=b3033912\\*est](http://www.ester.ee/record=b3033912*est)

**Elektrikvaliteedi juubelikonverents Tallinnas**

**Järvi, Jaan** Elektriala 2016 / lk. 12-14 : fot [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*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](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](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](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](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](https://www.ester.ee/record=b4560920*est)

**Elektrimasinate kateedrist elektrotehnika instituudini**

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

**Elektrivarustuse tulevikuvisioonid**

**Lehtla, Tõnu; Vinnal, Toomas** 2015 [http://www.ester.ee/record=b4511325\\*est](http://www.ester.ee/record=b4511325*est)

**Elektrivarustuse tulevikuvisioonid : [kõrgkooliõpik]**

**Lehtla, Tõnu; Vinnal, Toomas** 2016 [http://www.ester.ee/record=b4571559\\*est](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](http://www.ester.ee/record=b4469518*est)

**Elektromagnetiline ühilduvus. Osa 3-2, Piirväärtused [Võrguteavik] : vooluharmonooniliste 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](http://www.ester.ee/record=b4477535*est)

**Elektromagnetiline ühilduvus. Osa 5-6, Paigaldus- ja leevendusjuhendid [Võrguteavik] : väliste 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](http://www.ester.ee/record=b4560920*est)

**Eluhoonete arvutusliku võimsuse määramine**

1996 [https://www.ester.ee/record=b1058140\\*est](https://www.ester.ee/record=b1058140*est)

**Elulugusid ja meenutusi**

Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 44-90 : portr

[https://www.ester.ee/record=b4560920\\*est](https://www.ester.ee/record=b4560920*est)

**Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia**

2016 [https://www.ester.ee/record=b4580635\\*est](https://www.ester.ee/record=b4580635*est)

**Endel Risthein 90!**

**Risthein, Endel** Elektriala 2016 / lk. 6-11 : fot

**Endel Ristheina lapsepõlve- ja noorusemälestusi**

**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

**Energiasalvestid ja -salvestustehnoloogiad**

**Rosin, Argo; Link, Siim; Hõimoja, Hardi; Drovta, Imre** 2015 [http://www.ester.ee/record=b4484414\\*est](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 kandev roll**

**Rosin, Argo** Inseneria 2014 / lk. 18-19 : ill

## **Energiatehnika ja maailm**

**Risthein, Endel** 2013 [http://www.ester.ee/record=b2697019\\*est](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](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 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 297-302 : ill

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

**Rahmoun, Ahmad; Biechl, Helmut; 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

#### **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

#### **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 2013

#### **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; Kilik, 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](http://www.ester.ee/record=b1787401*est)

#### **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

#### **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

14th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of

**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>

**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

**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 2015 / p. 2896-2900 : ill

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

**Peftitsis, 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

**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

**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](http://www.ester.ee/record=b2336521*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

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

Colmenares, Juan; Peftitsis, 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/75352>

**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](http://www.ester.ee/record=b2150914*est)

**Homogenization technique for axially laminated rotors of synchronous reluctance machines**

Martin, Florian; **Belahcen, Anouar**; Lehtonen, Antti; Rasilo, Paavo IEEE transactions on magnetism 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](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 automaatsestamise näide**

**Tamm, Tiiu** Elektriala 2015 / lk. 22-23 : ill [https://artiklid.elnet.ee/record=b2721082\\*est](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 <http://dx.doi.org/10.1002/cta.2106>

### **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, Tiit Elektriala 2014 / lk. 20-21 : ill

### **Ilm on hukas: tali algas seitsme soojakraadiga**

Teder, Teet; **Kilk, Aleksander** Õhtuleht 2016 / lk. 4-5

### **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

### **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; Švalova, Jelena; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar** Proceedings of the 8th International Scientific Symposium on Electrical Power Engineering ELEKTROENERGETIKA 2015 : September 16-18, 2015, Stara Lesna, Slovak Republic 2015 / p. 589-592 : ill. [CD-ROM]

### **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, Harald; Blumberga, Dagnija; Drovтар, Imre** Energetika 2014 / p. 136-148 : ill

### **Industrial CHP optimal management in the energy market under incomplete information**

**Uuemaa, Priit; Drovтар, 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](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

**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

**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

**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 magistrikaadi taotlemiseks**

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

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

**Juhtkiri**

**Oorn, Arvo** Elektrala 2016 / lk. 5

**Juhtmed ja kaablid [Võrguteavik] : juhised tugevvoolu juhtmete ja -kaablite kasutamiseks nimipingel kuni 450/750 V (U<sub>I</sub>/U<sub>0</sub>). Osa 1, Üldjuhised = Electric cables : guide to use for cables with a rated voltage not exceeding 450/750 V (U<sub>I</sub>/U<sub>0</sub>). Part 1, General guidance**

2016 [http://www.ester.ee/record=b4609337\\*est](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](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

**Kaasik, Paul : 29.11.1925 - 25.12.1985**

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

**Kahe fotoelektrilise päikeseenergia kasutamise süsteemi (PS) analüüs esimese töötamisaasta andemete alusel.**

**Rakenduslikud soovitusel 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](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](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

**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](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](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](http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html)

**Laboratory works in semiconductor electronics**

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

**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](https://www.ester.ee/record=b2238343*est)

**Leedvalgustuse pahupoolest**

**Tamm, Tiit** Elektriala 2014 / lk. 12-13 : fot [https://artiklid.elnet.ee/record=b2705145\\*est](https://artiklid.elnet.ee/record=b2705145*est)

#### **Leedvälisvalgustite valikust**

**Tamm, Tiit** 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 <http://dx.doi.org/10.1515/lpts-2016-0042>

#### **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

#### **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](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](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](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. 5989-5994 : ill

#### **Madal- ja liginullenergiahooned : büroohoonete põhilahendused eskiis- ja eelprojektis**

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

#### **Madalpingelised aparaadikoosted. Osa 3, Jaotuskilbid, mida tohivad käsitada tavaisikud = 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](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](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](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 60364-4-4 2:2010, modified + IEC 60364-4-42:2010/A1:2014)**

2015 [http://www.ester.ee/record=b4484094\\*est](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](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](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 : põllumundus- 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](https://www.ester.ee/record=b2940362*est)

**Madalpingelised elektripaigaldised. Osa 7-705, Nõuded eripaigaldistele ja -paikadele : põllumundus- 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](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](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](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](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](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](http://www.ester.ee/record=b4493970*est)

**Madalpingelised lülitusaparaadid. 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](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

### **Makroökonomika meetodite kohandamine hoone elektrisüsteemi uuenduste prognoosimisel. Prognoosimiseprotsessi 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 andmesidetehnoloogia uurimine ja rakendamine Eesti kõrgepinge ülekandevõrgus**

**Mets, Igor** 2013 [https://www.ester.ee/record=b3046254\\*est](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](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, Maido; Reiska, Rein** Agronomy research 2013 / p. 497-504 : ill

### **Mikrotootmisjaamaga eramu elektrienergia tarbimise ja tootmise analüüs**

**Märss, Maido; 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 liitumakud süttivad? Süüdi on ohtlikud laadijad, löökidest tekkinud mõrad, praak ja kuumus**

**Lõugas, Hans; Rosin, Argo** Eesti Päevaleht 2015 / lk. 18

### **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](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

### **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>

### **Multi-motor pressure management system with minimal energy consumption**

**Vodovozov, Valery; Gevorgov, 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

### **Mõõtetrafod. 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](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>

### **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 taastuenergiatsüsteemidesse**

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

**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

**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>

**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](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 [http://www.ester.ee/record=b4560920\\*est](http://www.ester.ee/record=b4560920*est)

**Nüüdisaegne leedvalgustus bensiinijaamades**

**Tamm, Tiit** 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](http://www.ester.ee/record=b4457318*est)

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

**Zdanowski, Mariusz; Peffitsis, 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

**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, Maido**; Uiga, Jaanus; Annuk, Andres Renewable energy 2016 / p. 1116-1125 : ill  
<https://doi.org/10.1016/j.renene.2016.08.016>

**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 2013 / p. 76-80 : ill

**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](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](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>

**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](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

**Plahvatusohtlikes keskkondades kasutatavate elektriseadmete liigitamine**

**Risthein, Endel** Elektriala 2015 / lk. 8

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

2015 [http://www.ester.ee/record=b4524212\\*est](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

**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

**Power electronics : electrical energy converters**

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

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

**Rosin, Argo** Inseneeria 2013 / lk. 12-14, 16 : ill

**Päikeseenergia rakendamine ja tasuvus Eestis**

**Rosin, Argo** Eesti põlevloodusvarad ja -jäätmed 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](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

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](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](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](https://www.ester.ee/record=b1977879*est)

Rein Vörk : 10.05.1934-01.05.2013

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

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](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](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 püsivagnetsünkroonmasinate uurimine ja väljatöötamine kergetele õhusõidukitele

Nukki, Rene 2016 <https://digi.lib.ttu.ee/i/?5378> [https://www.ester.ee/record=b4575943\\*est](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](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](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](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 suuredamise meetodite uurimine

Blinov, Andrei 2012 [http://www.ester.ee/record=b2856034\\*est](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](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>

**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 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>

**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 [http://dx.doi.org/10.1007/978-3-319-31165-4\\_35](http://dx.doi.org/10.1007/978-3-319-31165-4_35)

**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% taastuenergia - kas rikkus või vaesus?**

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

**175 aastat rakenduslike elektrilaste uuringute algusest Eestis**

Risthein, 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

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

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

**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 / 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

**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 / 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 / [7] p.: ill

**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 / 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 Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

**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 / p. 2106-2110 : ill <https://doi.org/10.1109/IECON.2016.7793991>

**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**; Milanés-Montero, Maria Isabel 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 / p. 2949-2954 : ill

### **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

### **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-up 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>

### **Sissejuhatus digitaaltehnikasse**

**Lehtla, Madis** 2016 [http://www.ester.ee/record=b4618200\\*est](http://www.ester.ee/record=b4618200*est)

### **Skeemipesa ideed lendavad Silicon Valley ni välja**

Ramler, Gerli Inseneeria 2016 / lk. [42-45] : fot

### **Special seminar presentation : 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. 9-28

### **Speed control strategy selection for multi-pump systems**

**Bakman, Ilja**; **Gevorkov, Levon** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) 2015 / p. 353-356 : ill

### **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](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

### **Struktuurireformist Tallinna Tehnikaülikoolis ja elektriala haridus**

**Oorn, Arvo** Elektriala 2016 / lk. 8-9 : ill

### **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](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

### **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 / 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](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](https://www.ester.ee/record=b4432844*est)

### **Tarkvõrk : terminoloogia = Smart grid : terminology [Võrguteavik]**

2016 [http://www.ester.ee/record=b4615584\\*est](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 (ELEE '13) : Valencia, Spain, August 6-8, 2013 2013 / p. 102-107

### **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](http://www.ester.ee/record=b4604151*est)

### **Teaduspreemia tehnikateaduste alal uurimuste tsükli "Uudsed alalispingemuundurid taastuvenergeetikas" 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](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](http://www.ester.ee/record=b4604178*est)

### **Teevalgustusstandardid uuenesid**

**Risthein, Endel** Elektriala 2016 / lk. 11 [http://www.ester.ee/record=b1240496\\*est](http://www.ester.ee/record=b1240496*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

### **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](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

**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 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

**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 <http://dx.doi.org/10.1016/j.epsr.2015.08.018>

**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,**

**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](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](https://artiklid.elnet.ee/record=b2705143*est)

**Töövarjupäev ASis KH Energia-Konsult**

Lõvi, 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**

Elektriala 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**

Elektriala 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](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** Elektriala 2013 / lk. 18

**Valgusallikate uued uurimisvõimalused Tallinna Tehnikaülikoolis**  
**Teemets, Raivo;** Varjas, Toivo Elektriala 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/teee.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](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, Mehrmaz; 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://dx.doi.org/10.1049/PBPO074E_ch12) [http://www.ester.ee/record=b4556286\\*est](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](https://www.ester.ee/record=b2964322*est)

**Voltage balancing circuit for modular step-down DC/DC converter**  
**Uljans, Austris; Zakis, Janis** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 329-332 : ill

**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

**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](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](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](http://www.ester.ee/record=b4562393*est)

**11. energia- ja geotehnika-alane rahvusvaheline sümposium : [16.-20. jaanuaril Pärnus, parimate ettekannete eest said autasud TTÜst Veiko Karu, Zoja Raud, Anna Andrijanovitš, Imre Drovтар, Jelena Priss, Tarmo Korõtko ja Viktor Beldjajev] Rassõlkin, Anton Mente et Manu 2012 / lk. 3 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)**

**Üidelektrotehnika : õpik kõrgkoolidele**

Järvik, Jaan 2014 [http://www.ester.ee/record=b4412801\\*est](http://www.ester.ee/record=b4412801*est)

**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](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

**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

**Использование разделенной коммутации в двухзвенных преобразователях постоянного напряжения для снижения динамических потерь силовых полупроводниковых ключей**

Sokol, Jevgeni; Blinov, Andrei; Vinnikov, Dmitri Енергосбережение. Енергетика. Енергоаудит 2014 / 55-69 : ил

**Классификация изолированных DC/DC квази-импедансных преобразователей**

Chub, Andrii; Husev, Oleksandr; Vinnikov, Dmitri Вісник Національного Технічного Університету "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](https://www.ester.ee/record=b2630695*est)

**Модель двухтактного квази-импедансного преобразователя для малого сигнала**

Chub, Andrii Енергосбережение, енергетика, енергоаудит = Energy saving, power engineering, energy audit 2013 / с. 12-19 : ил

**Модель двухтактного квази-импедансного преобразователя для малого сигнала [Компьют. файл]**

Chub, Andrii Міжнародна Научно-Технічна Конференція "Силовая Електроніка і Енергоефективність" : 23-27.IX 2013, Алушта, Крим 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 Енергосбережение, енергетика, енергоаудит = 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 Міжнародна Научно-Технічна Конференція "Силовая Електроніка і Енергоефективність" : 23-27.IX 2013, Алушта, Крим 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.; Стысю, 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 : ил

**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]