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

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

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

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

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

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

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

Uued muundurite topoloogiad vesinikul põhinevate energiasalvestite integreerimiseks taastuenergiatsüsteemidesse

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

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

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

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

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

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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>

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

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

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

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

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

Näitus " Elektrotehnika instituut läbi ajaloo" TTÜs : TTÜ Raamatukogu

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

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

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

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

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

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

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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

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Bakman, Ilja; Gevorgov, 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

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

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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

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

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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

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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

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

Paralleel- ja järjestikresonantsi parameetrilise vaheldumisega võrgusageduslik resonantsmuundur ja selle rakendamine

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

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

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

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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

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Pilk energeetika ja elektrivarustuse tulevikku

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

Plahvatusohtlikes keskkondades kasutatavate elektriseadmete liigitamine

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

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

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

PLC-based flow rate control system for centrifugal pumps

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

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

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

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

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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

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

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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

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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

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

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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

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

Päikeseenergia rakendamine ja tasuvus Eestis

Rosin, Argo Eesti põlevloodusvarad ja -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

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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>

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

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

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

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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

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

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

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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 jõuelektronika valdkonnas

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

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

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

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

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

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

Milaševski, Irena 2012

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

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

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

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