

Actuators in industrial automation

Brindfeldt, Eduard; Pettai, Elmo; Hõimoja, Hardi; Beldjajev, Viktor 2011 http://www.eester.ee/record=b2742455*est

Analysis of current doubler rectifier based high frequency isolation stage for intelligent transformer [Electronic resource]

Beldjajev, Viktor; Roasto, Indrek; Vinnikov, Dmitri CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 336-341 [CD-ROM]

Analysis of new bidirectional DC-DC converter based on current doubler rectifier

Beldjajev, Viktor; Roasto, Indrek 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 234-237 : ill

Analysis on AC motor losses due to harmonic levels increase caused by switched capacitor passive power factor correction

Mölder, Heigo; Vinnal, Toomas; Beldjajev, Viktor 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 42-46 : ill

Control system for a diesel generator and UPS based microgrid

Palamar, Andriy; Pettai, Elmo; Beldjajev, Viktor Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2010 / p. 47-52 : ill

Dual active bridge based isolation stage for power electronic transformer

Beldjajev, Viktor; Roasto, Indrek 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / lk. 216-219 : ill

Harmonic losses in induction motors caused by voltage waveform distortions

Mölder, Heigo; Vinnal, Toomas; Beldjajev, Viktor PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 143-148 : ill

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

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

Impact of component losses on the efficiency of the bi-directional current doubler rectifier based isolation-stage

Beldjajev, Viktor; Roasto, Indrek IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5209-5215 : ill <https://ieeexplore.ieee.org/document/6389548>

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]

Influence of regenerative braking to power characteristics of a gantry crane

Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 73-77 : ill

Influence of variable energy flow to power characteristics

Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 29-32 : ill

Intelligent transformer : possibilities and challenges

Beldjajev, Viktor; Roasto, Indrek; Lehtla, Tõnu Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 95-100 : ill

Intelligentne trafo – nutikate elektrivõrkude tulevik

Beldjajev, Viktor Studioosus 2011 / lk. 32

Isolation stage for power electronic transformer : dual active bridge vs bi-directional current doubler rectifier [Electronic resource]

Beldjajev, Viktor; Roasto, Indrek; Zakis, Janis SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 849-854 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6264545>

10. energia- ja geotehnika-alane rahvusvaheline sümposium : ["Topical Problems in the Field of Electrical and Power

Engineering" ja Energia- ja geotehnika doktorikool II 10.-15. jaanuaril 2011 Pärnus]

Beldjajev, Viktor; Randmaa, Merili *Mente et Manu* 2011 / lk. 2 https://www.ester.ee/record=b1242496*est

Possibilities of integrating the industrial robot systems to smart grids

Beldjajev, Viktor; Lehtla, Tõnu *EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference* : 6-8 September 2010, Ohrid, Republic of Macedonia 2010

Preparation of industrial robot systems for work in intelligent power networks

Beldjajev, Viktor; Lehtla, Tõnu 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 71-74

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

State of the art trends and design challenges of power electronic transformer for future distribution grids

Beldjajev, Viktor; Roasto, Indrek *Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність* 2012 / p. 55-61 : 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]

Sustainability assessment methods for developing advanced mining technologies

Sabanov, Sergei; Šommet, Julija; Milaševski, Irena; Baškite, Viktoria; Gulevičs, Julia; Beldjajev, Viktor; Robam, Karin 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 74-76 : ill
https://www.academia.edu/1388273/Sustainability_assessment_methods_for_developing_advanced_mining_technologies

Sustainable mining under usage modern machines in Estonian oil shales mines

Sabanov, Sergei; Milaševski, Irena; Beldjajev, Viktor *Theory and Practice of Geomechanics for Effectiveness. The Mining Production and the Construction : The 4th International Geomechanics Conference* : Bulgaria, 3-6 June 2010 2010 / p. 551-556

Techno-economic analysis of hydrogen buffers for distributed energy systems [Electronic resource]

Andrijanovičs, Anna; Beldjajev, Viktor *SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion* 2012 / p. 1401-1406 : ill [CD-ROM]
<https://ieeexplore.ieee.org/document/6264583>

Täituriid tööstusautomaatikas

Brindfeldt, Eduard; Pettai, Elmo; Hõimoja, Hardi; Beldjajev, Viktor 2011 http://www.ester.ee/record=b2727847*est

Uus samm robotitehnika arengus Eestis : [uue tööstusroboti IRB1600 esitlus TTÜs]

Beldjajev, Viktor *Studioosus* 2008 / okt., lk. 11: fot https://www.ester.ee/record=b1558644*est

Изпълнителни устройства в индустриалната автоматизация

Brindfeldt, Eduard; Pettai, Elmo; Hõimoja, Hardi; Beldjajev, Viktor 2011