

Actuators in industrial automation

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An application - a web-based electrical drives laboratory : objectives, structure and experiments

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An improved interface converter for a medium-power wind-hydrogen system

Vinnikov, Dmitri; Hõimoja, Hardi; Andrijanovitš, Anna; Roasto, Indrek; Lehtla, Tõnu; Klytta, Marius 2nd International Conference on Clean Electrical Power Renewable Energy Resources Impact : Capri (Italy) June 9-11, 2009 2009 / p. 426-432 : ill

An ultrafast EV charging station demonstrator [Electronic resource]

Hõimoja, Hardi; Rufer, Alfred; Dziechciaruk, Grzegorz; Vezzini, Andrea SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 1390-1395 : ill [CD-ROM]

Analysis and design of ultracapacitor-boosted back-up power supply for tramcars [Electronic resource]

Hõimoja, Hardi; Vinnikov, Dmitri; Jalakas, Tanel EUROCON 2009 : International IEEE Conference devoted to the 150-anniversary of Alexander S. Popov : May 18-23, 2009 Saint Petersburg, Russia 2009 / p. 598-604 [CD-ROM] <https://ieeexplore.ieee.org/document/5167691>

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

Analysis of household electricity consumption patterns and economy of water heating shifting and saving bulbs

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Application of ultracapacitors in low-voltage power supply systems of light rail vehicles

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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

Calculation of the traction effort of switching locomotive

Rassõlkin, Anton; Hõimoja, Hardi 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 61-65 : ill

Comparative review of long-term energy storage technologies for renewable energy systems

Andrijanovitš, Anna; Hõimoja, Hardi; Vinnikov, Dmitri Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 21-26 : ill

Comparison of interface converter topologies for small- or medium-power wind-hydrogen systems

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Grid reactive power compensation by using electric vehicles

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Hõimoja, Hardi; Laugis, Juhan; Vinnikov, Dmitri Intelligent Technologies in Logistics and Mechatronics Systems : ITELMS'2009 : proceedings of the 4th International Conference : June 04-05, 2009, Panevėžys, Lithuania 2009 / p. 7-12 : ill

Modernisation issues of diesel-electric shunting locomotive power units

Hõimoja, Hardi; Jalakas, Tanel; Rosin, Argo; Rassõlkin, Anton Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2010 / p. 57-62 : ill <https://ui.adsabs.harvard.edu/abs/2010SJURUP..26...58H/abstract>

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Soots, Georg; Hõimoja, Hardi; Pettai, Elmo 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. 113-116 : ill

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Slip control upgrades for light-rail electric traction drives

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