

Actuators in industrial automation

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

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

Rosin, Argo; Möller, Taavi; Hõimoja, Hardi IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society. ICELIE 2009 : 3rd IEEE International Conference on E-learning in Industrial Electronics : Porto, Portugal, 3-5 November 2009 : abstracts 2009 / p. 392 <https://ieeexplore.ieee.org/document/5413215/>

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

Vinnikov, Dmitri; Hõimoja, Hardi; Andrijanovič, 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] <https://ieeexplore.ieee.org/document/6264617>

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 [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Rosin, Argo; Möller, Taavi; Lehtla, Madis; Hõimoja, Hardi Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2010 / p. 15-20 : ill

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

Hõimoja, Hardi; Vinnikov, Dmitri; Strzelecki, Ryszard The 2009 World Congress on Electronics and Electrical Engineering : WCEEENG'09 : April 6-9, 2009, Cairo, Egypt 2009 / [5] p

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

Andrijanovič, 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

Andrijanovič, Anna; Vinnikov, Dmitri; Hõimoja, Hardi; Klytta, Marius 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 122-127 : ill

Control basics of a flywheel-powered uninterruptible motor drive

Hõimoja, Hardi; Vinnikov, Dmitri; Rosin, Argo BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 289-292 : ill

Design concepts for a hybrid diesel electric shunting locomotive powertrain

Hõimoja, Hardi; Roasto, Indrek; Kesküla, A. BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 293-296 : 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

E-laboratory in the field of electrical drives

Hõimoja, Hardi; Rosin, Argo; Möller, Taavi; Müür, Margus EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 77 <https://ieeexplore.ieee.org/document/4635560>

E-laboratory in the field of electrical drives [Electronic resource]

Hõimoja, Hardi; Rosin, Argo; Möller, Taavi; Müür, Margus EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 2028-2033 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4635560>

Electrical drives remote laboratory at the TUT

Hõimoja, Hardi; Möller, Taavi; Rosin, Argo; Müür, Margus 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 177-182 : ill

Elektriautod – kas Eesti oludes tark valik?

Hõimoja, Hardi Eesti Päevaleht 2011 / lk. 3

Energiasalvestid ja -salvestustehnoloogiad

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

Energiatõhususe hindamise ja energiasalvestite arvutuse meetodika linna elektertranspordile

Hõimoja, Hardi 2009 https://www.ester.ee/record=b2559283*est

Energy saving possibilities in the industrial robot IRB 1600 control [Electronic resource]

Rassõlkin, Anton; Hõimoja, Hardi; Teemets, Raivo CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 226-229 [CD-ROM] https://www.researchgate.net/publication/252015731_Energy_saving_possibilities_in_the_industrial_robot_IRB_1600_control

Flywheel energy storage: principles and possibilities

Hõimoja, Hardi 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 89-92 : 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

Hooratassalvestitest

Hõimoja, Hardi Keskkonnatehnika 2008 / 3, lk. 30-33 : ill https://artiklid.elnet.ee/record=b1021845*est

Kinetic energy storage in electric traction applications

Hõimoja, Hardi Tarptähtsused konferencijos Elektros ir valdymo technologijos - 2006 : pranešimu medžiaga = Proceedings of International Conference Electrical and Control Technologies - 2006 2006 / p. 401-404 : ill

Kinetic energy storage systems

Hõimoja, Hardi; Lehtla, Madis 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 284-288 : ill

Load leveling and loss minimization in tram systems - possibilities and challenges

Vinnikov, Dmitri; Hõimoja, Hardi; Rosin, Argo; Egorov, Mikhail Технічна електродинаміка 2009 / Тематический выпуск: Силова електроніка та енергоєфективність. 1, с. 83-88 : ill

Method for improvement of electromagnetic rail brake performance for light rail vehicles

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, Panevezys, 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/2010SJRUP..26...58H/abstract>

Optimization of energy flows in public electric transportation

Hõimoja, Hardi; Rosin, Argo 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 108-112 : ill

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

Tsirnomeny, 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

Perspective solutions of SmartGrid and Vehicle-to-grid connectivity problems

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

PLC based control of remote laboratory experiments

Möller, Taavi; Rosin, Argo; Hõimoja, Hardi; Müür, Margus BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 273-276 : ill

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 interfaces and storage selection for an ultrafast EV charging station

Hõimoja, Hardi; Vasiladiotis, M.; Rufer, A. PEMD 2012 : Power Electronics, Machines and Drives : 27-29 March 2012, University Bristol, UK : [proceedings] 2012 / 6 p. : ill

Remote laboratory of electrical drives - PLC based control and algorithms

Müür, Margus; Möller, Taavi; Hõimoja, Hardi; Rosin, Argo 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 128-133 : ill

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

Residential electricity consumption and loads pattern analysis

Rosin, Argo; Hõimoja, Hardi; Möller, Taavi; Lehtla, Madis PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 111-116 : ill

Review of the Estonian Railroad rolling stock and solutions for locomotive modernization

Rassõlkin, Anton; Hõimoja, Hardi; Pettai, Elmo; Tšurkina, Natalja 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. 57-61 : ill

Slip control upgrades for light-rail electric traction drives

Lehtla, Madis; Hõimoja, Hardi EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 61 <https://ieeexplore.ieee.org/document/4635492>

Slip control upgrades for light-rail electric traction drives [Electronic resource]

Lehtla, Madis; Hõimoja, Hardi EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 1604-1607 : ill. [CD-ROM]
<https://ieeexplore.ieee.org/document/4635492/keywords> <https://doi.org/10.1109/EPEPEMC.2008.4635492>

Survey of loss minimization methods in tram systems [Electronic resource]

Hõimoja, Hardi; Vinnikov, Dmitri; Lehtla, Madis; Rosin, Argo; Zakis, Janis SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 : proceedings 2010 / p. 1356-1361 : [CD-ROM] <https://ieeexplore.ieee.org/document/5544863>

Tarbimise juhtimine : suurtarbivate 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

Täiturid tööstusautomaatikas

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

Uninterruptible power supply in distribution substations auxiliary circuits

Hõimoja, Hardi 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 78-82

Üliõpilase pilguga : [Hannoveri messist]

Reinap, Avo; **Hõimoja, Hardi** Pingering 1997 / 30. nov., lk. 2

Изпълнителни устройства в индустриалната автоматизация

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