Active blended learning as a tool focused on industry 5.0 at EuroTeQ Engineering University
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2024 IEEE Global Engineering Education Conference (EDUCON) : proceedings 2024 / p. 1-5 https://doi.org/10.1109/EDUCON60312.2024.10578688 Conference proceedings at Scopus Article at Scopus Article at WOS

Active blended learning engineering students : a case study
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Education Sciences 2022 / art. 344 https://doi.org/10.3390/educsci12050344 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Active blended learning of industry 5.0-oriented sustainable power engineering specialists
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** First International Conference on Sustainable Energy Education (SEED 2024) : proceedings 2024 / p. 719-725 https://doi.org/10.4995/SEED2024.2024.19007

Active learning electrical drives through social networking
Vodovozov, Valery; **Lehtla, Tõnu** 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 12-19 : ill

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 electric drives and power electronics
Raud, Zoja; **Vodovozov, Valery** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 63-68

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 of students with diverse goals and backgrounds in the light of Industry 4.0 requirements
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Proceedings of the 2022 IEEE Global Engineering Education Conference (EDUCON) 2022 / p. 351-355 https://doi.org/10.1109/EDUCON52537.2022.9766564

Advanced course of electrical drivers : laboratory works
Vodovozov, Valery; **Rassõlkin, Anton** 2013 http://www.ester.ee/record=b2909098*est

Advanced course of power electronics : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 https://www.ester.ee/record=b2375135*est

Advancements and restrictions of E-assessment in view of remote learning in engineering
Raud, Zoja; **Vodovozov, Valery** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill
https://doi.org/10.1109/RTUCON48111.2019.8982349

An enhancement of the driver distraction detection and evaluation method based on computational intelligence algorithms
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard** 2018 IEEE 16th International Conference on Industrial Informatics (INDIN 2018) : Porto, Portugal, 18-20 July 2018 2018 / p. 201-206 : ill https://doi.org/10.1109/INDIN.2018.8472045

An object-oriented approach to curriculum design [Electronic resource]
Vodovozov, Valery; **Raud, Zoja** WMSCI 2009 : The 13th World Multi-Conference on Systemics, Cybernetics and Informatics. [IMSCI'09 : ... IMETI 2009 : ...] : July 10th-13th, 2009, Orlando, Florida, USA : proceedings 2009 / p. 225-230 [CD-ROM]

Analysis of state of the art and development trends in soft-switched half-bridge DC/DC converters
Egorov, Mikhail; **Vinnikov, Dmitri**; **Vodovozov, Valery** 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. 49-54 : ill

Binary logic vs. fuzzy logic techniques for tuning robust controllers
Vodovozov, Valery 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 49-50
https://www.ester.ee/record=b5183874*est

Blended antilock braking system control method for all-wheel drive electric sport utility vehicle
Aksjonov, Andrei; **Vodovozov, Valery**; Augsburg, Klaus; **Petlenkov, Eduard** Electrimacs 2019 : Selected Papers, Vol. 1 2020 / p. 229-241 https://doi.org/10.1007/978-3-030-37161-6_17 Conference proceeding at Scopus Article at Scopus

Challenges of academic mobility in view of students inclusion in engineering education
Raud, Zoja; **Vodovozov, Valery** Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / p. 139-144 : ill https://doi.org/10.1109/EDUCON45650.2020.9125238

Challenges of active learning in a view of integrated engineering education
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Education Sciences 2021 / art. 43 https://doi.org/10.3390/educsci11020043 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Circulation centrifugal pump with variable speed drives and minimal electricity consumption
Vodovozov, Valery; **Gevorkov, Levon**; **Raud, Zoja** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 334-339 : ill http://dx.doi.org/10.1109/CPE.2017.7915193

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 intelligent braking controllers for electric vehicles
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Renewable energy and power quality journal 2022 / p. 55-60 https://doi.org/10.24084/repqj20.217 Journal metrics at Scopus Article at Scopus

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]

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 pick-and-place robots with reduced power consumption
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 4 p https://doi.org/10.1109/RTUCON60080.2023.10413180

Curricula scheduling with educational thesaurus
Raud, Zoja; **Vodovozov, Valery** The 2011 World Congress on Computer Science and Information Technology WCSIT'11, 24-27 January 2011, Cairo, Egypt 2011 / [7 p.] : ill

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

Design and implementation of a digital control and monitoring system for an AC/DC UPS [Electronic resource]
Palamar, Andriy; **Karpinskyy, Mykola**; **Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 173-177 [CD-ROM] https://ieeexplore.ieee.org/document/5942227

Design and modelling of electric drive in database environment [Electronic resource]
Vodovozov, Valery; **Pettai, Elmo**; **Auväärt, Aivar** ISIE08 : 2008 IEEE International Symposium on Industrial Electronics : 30 June - 2 July 2008, Cambridge, United Kingdom 2008 / p. 764-767 : ill. [CD-ROM] https://ieeexplore.ieee.org/document/4676891

Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers
Aksjonov, Andrei; Augsburg, Klaus; **Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill https://doi.org/10.3390/app6120382 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 issues of redundant protection and supervision system for the special purpose power converters [Electronic resource]
Vinnikov, Dmitri; **Roasto, Indrek**; **Vodovozov, Valery** International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April 2009 2009 / [6] p. [CD-ROM] https://www.icrepq.com/ICREPQ%2709/356-vinnikov.pdf

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 regenerative anti-lock braking system controller for 4 in-wheel-motor drive electric vehicle with road surface estimation
Aksjonov, Andrei; **Vodovozov, Valery**; Augsburg, Klaus; **Petlenkov, Eduard** International journal of automotive technology 2018 / p. 727-742 : ill https://doi.org/10.1007/s12239-018-0070-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Detection and evaluation of driver distraction using machine learning and fuzzy logic
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard**; Herrmann, Martin IEEE Transactions on Intelligent Transportation Systems 2019 / p. 2048 - 2059 https://doi.org/10.1109/TITS.2018.2857222 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development and verification of control and protection algorithms for the special purpose high power converters
Roasto, Indrek; **Vinnikov, Dmitri**; **Vodovozov, Valery** Intelligent Technologies in Logistics and Mechatronics Systems : ITELMS'2008 : proceedings of the 3rd International Workshop : May 22-23, 2008, Panevežys, Lithuania 2008 / p. 23-27 : 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, Istambul, Turkey, 01-04 June, 2014 2014 / p. 2213-2217 : ill

Discontinuous space vector modulation technique for motor supply
Vodovozov, Valery; **Egorov, Mikhail** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill

Distance control of electric drives and power converters via internet : concept of e-laboratory [Electronic resource]
Vodovozov, Valery; **Raud, Zoja** EUROCON 2009 : International IEEE Conference devoted to the 150-anniversary of Alexander S.Popov : May 18-23, 2009 Saint Petersburg, Russia 2009 / p. 804-809 [CD-ROM]

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

Distance learning in electrical engineering
Laugis, Juhan; **Lehtla, Tõnu**; **Vodovozov, Valery** 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. 148-153

Driver distraction detection and evaluation with artificial neural network and fuzzy logic : In-vehicle information system as a driver's secondary activity: case study
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard** 2018 IEEE 15th International Workshop on Advanced Motion Control (AMC 2018) 2018 / p. 523–528 : ill Driver distraction detection and evaluation with artificial neural network and fuzzy logic : In-vehicle information system as a driver's secondary activity: case study

Driver distraction while performing a secondary task evaluation approach based on fuzzy expert system
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard**; Herrmann, Martin 2017 / p. 1-27 : ill
https://www.etis.ee/File/DownloadPublic/9fe35346-efcf-4429-af04-ba8325dc1480?name=GSVF2017-Aksjonov.pdf&type=application%2Fpdf
https://www.gsvf.at/index.php/en/program-2017

Educational collaboration in the field of power electronics and electromechanics
Laugis, Juhan; **Vodovozov, Valery** Материалы Международной конференции : Международное сотрудничество в образовании и науке : Санкт-Петербург, 2-6 июня 2008 года = Proceedings of the International Conference : International Education and Science Cooperation : Saint-Petersburg, June 2-6, 2008 : IESC-2008 2008 / p. 241-245

Educational thesauri for mastering engineering cources
Vodovozov, Valery; **Lehtla, Tõnu** 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. 24-29 : ill

Educational thesaurus for learning electronics
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu** Recent Researches in Communications, Information Science and Education : [proceedings of CIT'12, ELECTROSCIENCE'12, WORLD-EDU'12 : Vouliagmeni Beach, Athens, Greece, March 7-9, 2012] 2012 / p. 67-79 : ill https://www.researchgate.net/publication/252067825_Educational_Thesaurus_for_Learning_Electronics

Educational thesaurus of power electronics
Raud, Zoja; **Vodovozov, Valery** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill

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

Electrical drive : performance, design and control
Vodovozov, Valery 2014 https://www.ester.ee/record=b4412000*est

Electronic engineering
Vodovozov, Valery; **Jansikene, Raik** 2006 http://www.ester.ee/record=b2210447*est

Electronic systems of motor drive
Vodovozov, Valery; **Vinnikov, Dmitri** 2008 http://www.ester.ee/record=b2384912*est

Electronics and semiconductor engineering : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 https://www.ester.ee/record=b2373748*est

Elektriajamite elektroonsed süsteemid
Vodovozov, Valery; **Vinnikov, Dmitri**; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2384926*est

Elektroonika ja jõupooljuhttehnika
Vodovozov, Valery; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2394522*est

Energy management in a centrifugal pumping plant
Vodovozov, Valery; **Raud, Zoja** 17th IEEE International Conference on Smart Technologies : IEEE EUROCON 2017 : 6-8 July 2017, Ohrid, Macedonia : conference proceedings 2017 / p. 347-352 : ill https://doi.org/10.1109/EUROCON.2017.8011133

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 saving in centrifugal pumps using mutual pressure and flowrate control
Serbin, Aleksandr; **Petlenkov, Eduard**; **Vodovozov, Valery** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill http://dx.doi.org/10.1109/RTUCON.2017.8124805

Energy-efficient operation of linear Delta robots with an artificial intelligence model
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard**; **Semjonova, Natalia** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p https://doi.org/10.1109/BEC61458.2024.10737977 Conference proceedings at Scopus Article at Scopus Article at WOS

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

Engineering education : problems, tendencies and solutions
Vodovozov, Valery; **Raud, Zoja**; **Lehtla, Tõnu** 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. 166-173

Engineering students mobility: intercultural barriers to achieving intercultural competences
Vodovozov, Valery; **Raud, Zoja** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2 2021 / p. 248-255 https://doi.org/10.1007/978-3-030-68201-9_78 Article collection metrics at Scopus Article at Scopus Article at WOS

Enhancing students' activity in electrical engineering through Web and social networks
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu** International Conference Educon 2012 : collaborative learning & new pedagogic approaches in engineering education : Marrakech - Morocco, 17-20 April 2012 2012 / p. 263-269 : ill

EuroTeQ as an alliance to promote European engineering education
Vodovozov, Valery; **Raud, Zoja**; **Lehtla, Madis** Proceedings of the 15th International Conference on Computer Supported Education (CSEDU 2023). Vol. 2 2023 / p. 601-607 https://doi.org/10.5220/0011824900003470

EuroTeQ Project : first impressions and estimates
Vodovozov, Valery; **Lehtla, Madis**; **Raud, Zoja** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 / 5 p
https://doi.org/10.1109/RTUCON56726.2022.9978799

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 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 2014 https://doi.org/10.1109/EVS.2013.6914810

Experimental setup to explore the drives of battery electric vehicles
Rassõlkin, Anton; **Vodovozov, Valery** World Electric Vehicle Journal 2013 / p. 1109 - 1114 https://doi.org/10.3390/wevj6041109
Journal metrics at Scopus Article at Scopus

Expert system for electric drive design
Laugis, Juhan; **Vodovozov, Valery** EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 40

Expert system for electric drive design [Electronic resource]
Laugis, Juhan; **Vodovozov, Valery** EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 1032-1034 : ill. [CD-ROM]

Feed drive of a lathe
Egorov, Mikhail; **Vinnikov, Dmitri**; **Vodovozov, Valery** 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. 163-169 : ill

Flexible curricula based on educational thesaurus [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** Proceedings of the 15th IASTED International Conference on Computers and Advanced Technology in Education 2012 / p. 219-226 : ill [CD-ROM]
https://www.researchgate.net/publication/266630129_Flexible_Curricula_based_on_Educational_Thesaurus

Flexible curricula for e-learning of SME staff in electronic engineering
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu** 9th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2010) : August 18-20, 2010, Japan 2010 / p. 384-388 https://ieeexplore.ieee.org/document/5590514

Flexible models of electric motor drives
Vodovozov, Valery; **Vinnikov, Dmitri** Технічна електродинамика 2008 / 3, с. 89-91

From misconceptions to energy saving concepts : case study in pumping engineering
Vodovozov, Valery 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 44-50 : ill
http://www.ester.ee/record=b4650094*est

Fuel cell city buses : grey shadows of green energy
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l.
https://doi.org/10.1109/BEC56180.2022.9935604

Fuzzy control of energy recovery in electric vehicles with hybrid energy storage
Vodovozov, Valery; **Aksjonov, Andrei**; Ricciardi, Vincenzo; **Raud, Zoja** 2019 International Conference on Clean Electrical Power (ICCEP) 2019 / p. 345-350 : ill https://doi.org/10.1109/ICCEP.2019.8890103

Fuzzy gradient control of electric vehicles at blended braking with volatile driving conditions
Vodovozov, Valery; **Petlenkov, Eduard**; Aksjonov, Andrei; **Raud, Zoja** ICINCO 2020 : 17th International Conference on Informatics in Control, Automation and Robotics, July 7-9, 2020 : online 2020 / p. 250−261 http://wikicfp.com/cfp/servlet/event.showcfp?eventid=97093&copyownerid=45217

Fuzzy logic control of electric vehicles in changing braking conditions
Vodovozov, Valery; **Raud, Zoja**; **Aksjonov, Andrei**; **Petlenkov, Eduard** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / art. 20192756, p. 107-112
https://doi.org/10.1109/ICEPDS47235.2020.9249083

Gen Z oriented engineering education in the "Industry 4.0" age
Raud, Zoja; **Vodovozov, Valery**; **Petlenkov, Eduard** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / p. 1-4
https://doi.org/10.1109/RTUCON60080.2023.10413087

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

Hardware-in-the-Loop test of an open loop fuzzy control method for decoupled electro-hydraulic antilock braking system
Aksjonov, Andrei; Ricciardi, Vincenzo; Augsburg, Klaus; **Vodovozov, Valery**; **Petlenkov, Eduard** IEEE transactions on fuzzy systems 2020 / p. 965-975: ill https://doi.org/10.1109/TFUZZ.2020.2965868 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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/?5352 https://www.ester.ee/record=b4577031*est

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

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

Innovative training practice in electronics for enterprises
Raud, Zoja; **Vodovozov, Valery** Przeglad elektrotechniczny = Electrical review 2012 / p. 166-170 : ill
https://www.semanticscholar.org/paper/Innovative-Training-Practice-in-Electronics-for-Raud-Vodovozov/1ec433892168e2b1c2fa8669542361faed95be44

Intelligent control of robots with minimal power consumption in pick-and-place operations
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2023 / art. 7418 https://doi.org/10.3390/en16217418 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interinstitutional activity in professional training in power electronics
Vodovozov, Valery; **Vinnikov, Dmitri**; **Laugis, Juhan**; **Lehtla, Tõnu** Технічна електродинамика 2008 / 7, с. 58-61 : ил
https://ieeexplore.ieee.org/document/4581146

Interinstitutional activity in professional training in power electronics [Electronic resource]
Vodovozov, Valery; **Vinnikov, Dmitri**; **Laugis, Juhan**; **Lehtla, Tõnu** 19th International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Speedam 2008 : Ischia (Italy), June 11th-13th, 2008 : conference proceedings 2008 / p. 492-495 : ill. [CD-ROM] https://ieeexplore.ieee.org/document/4581146

Inverters with reduced switching losses for industrial applications
Vodovozov, Valery; **Egorov, Mikhail**; **Raud, Zoja**; **Lehtla, Tõnu** Proceedings : INDIN 2011 : 2011 9th IEEE International Conference on IndustrialInformatics : Lisbon, Portugal, 26-29 July, 2011 2011 / p. 274-279 : ill
https://ieeexplore.ieee.org/document/6034887

Jõuelektroonika
Vodovozov, Valery; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2394527*est

Laboratory setup for teaching an advanced course of power electronics
Jalakas, Tanel; **Vinnikov, Dmitri**; **Vodovozov, Valery** 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. 149-154 : ill

Laboratory works in semiconductor electronics
Vodovozov, Valery; **Raud, Zoja** 2016 http://www.ester.ee/record=b4775549*est

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

Management of braking energy in electric vehicles using reinforcement learning
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 559-564 https://doi.org/10.1109/ICCEP57914.2023.10247359

Managing energy consumption of linear delta robots using neural network models
Vodovozov, Valery; **Lehtla, Madis**; **Raud, Zoja**; **Semjonova, Natalia**; **Petlenkov, Eduard** Energies 2024 / art. 4081 https://doi.org/10.3390/en17164081 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A method for detection and evaluation of driver distraction induced by in-vehicle information systems
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 4513-4518 : ill https://doi.org/10.1109/IECON.2018.8591252

A method of driver distraction evaluation using fuzzy logic : phone usage as a driver's secondary activity : case study
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard**; Herrmann, Martin Proceedings : IACAT 2017 : XXVI International Conference on Information, Communication and Automation Technologies, October 26-28, 2017, Sarajevo, Bosnia-Herzegovina 2017 / 6 p. : ill https://doi.org/10.1109/ICAT.2017.8171599

Mixed pressure control system for a centrifugal pump
Gevorkov, Levon; **Vodovozov, Valery** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 364-369 : ill https://doi.org/10.1109/CPE.2017.7915198

Model-based diagnosis of power converters
Vodovozov, Valery; **Raud, Zoja**; **Vinnikov, Dmitri** Технічна електродинамика 2009 / Тематический выпуск: Силова електроніка та енергоефективність. 2, с. 38-43

Model-based learning in electric drive design
Vodovozov, Valery; **Raud, Zoja** Modelling and Simulation 2008 : The European Simulation and Modelling Conference 2008 : ESM'2008 : October 27-29, 2008, Le Havre, France 2008 / p. 355-359 : ill https://www.researchgate.net/publication/290347959_Model-based_learning_in_electric_drive_design

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

Modelling a blended braking system of electric vehicles
Vodovozov, Valery; **Aksjonov, Andrei** 17th International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 16-22 : ill http://ise.elnet.ee/record=b2949856~S2*est

Modelling of a versatile vehicle braking system with a fuzzy PID torque controller
Vodovozov, Valery; **Raud, Zoja**; **Aksjonov, Andrei**; **Petlenkov, Eduard** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill https://doi.org/10.1109/BEC49624.2020.9276798

Modelling of energy recovery in electric vehicles for various braking scenarios on changing road surfaces
Vodovozov, Valery; **Raud, Zoja** Renewable energy and power quality journal 2020 / p. 178−183 https://doi.org/10.24084/repqj18.264 Journal metrics at Scopus Article at Scopus

Motivating Students to Avoid Academic Dishonesty in Learning Engineering Courses
Raud, Zoja; **Vodovozov, Valery**; **Petlenkov, Eduard**; **Serbin, Aleksandr** EDUCON 2018 : Global Engineering Education Conference : abstracts 2018 / p. 100 http://www.educon-conference.org/current/documents/EDUCON2018_abstracts.pdf

Motor drive design in database environment
Laugis, Juhan; **Vodovozov, Valery** The 4th International Scientific Conference of The Military Technical College [Korby El-Kobbah, Cairo, Egypt] : 27-29 May 2008. Proceedings of the 6th ICEENG Conference : 27-29 May, 2008 2008 / p. EE018 [CD-ROM] https://iceeng.journals.ekb.eg/article_34296_b9df1acbd4c7630c96585eec987ce18f.pdf

Motor drive design using structured query language
Vodovozov, Valery; **Laugis, Juhan** Estonian journal of engineering 2008 / 4, p. 334-344 : ill

Multi-motor pressure management system with minimal energy consumption
Vodovozov, Valery; **Gevorkov, 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

Multi-pump control applications for ABB ACQ 810 industrial drive
Bakman, Ilja; **Vodovozov, Valery** 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 37-44 : ill

Neural network based configuring of linear delta robots with reduced energy consumption
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Renewable energies environment and power quality journal 2024 / p. 82-88 https://doi.org/10.24084/reepqj24.267

Neural network control of green energy vehicles with blended braking systems
Vodovozov, Valery; **Petlenkov, Eduard**; **Aksjonov, Andrei**; **Raud, Zoja** Renewable Energy & Power Quality Journal 2021 / p. 344-349 https://doi.org/10.24084/repqj19.291 Journal metrics at Scopus Article at Scopus

Neural network-based model reference control of braking electric vehicles
Vodovozov, Valery; Aksjonov, Andrei; **Petlenkov, Eduard**; **Raud, Zoja** Energies 2021 / art. 2373 https://doi.org/10.3390/en14092373 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A Novel driver performance model based on machine learning
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Petlenkov, Eduard**; Herrmann, Martin IFAC-PapersOnLine 2018 / p. 267-272 : ill http://dx.doi.org/10.1016/j.ifacol.2018.07.044

Object-oriented electric drive development technology
Vodovozov, Valery; **Laugis, Juhan** [Proceedings of the] International Electric Machines and Drives Conference : IEMDC'07 : May 3-5, 2007, Antalya, Turkey 2007 / p. 1215-1219 : ill

Ontology-based design of educational trajectories
Raud, Zoja; **Vodovozov, Valery**; **Petlenkov, Eduard**; **Serbin, Aleksandr** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 4 p. . ill https://doi.org/10.1109/RTUCON.2018.8659893

Ontology-based design of the learner's knowledge domain in electrical engineering
Raud, Zoja; **Vodovozov, Valery** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2019 / p. 47-53 : ill https://doi.org/10.2478/ecce-2019-0007

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

Overview on Energy Management of Electric Vehicles with Intelligent Braking Controllers
Vodovozov, Valery; **Raud, Zoja** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), November 15-17, 2021 : conference proceedings 2022 / 4 p. : ill https://doi.org/10.1109/RTUCON53541.2021.9711715

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

Pick-and-place operation of linear Delta robots with low energy consumption
Vodovozov, Valery; **Lehtla, Madis**; **Raud, Zoja**; **Petlenkov, Eduard** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p https://doi.org/10.1109/RTUCON62997.2024.10830764

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

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 electronic converters
Vodovozov, Valery; **Jansikene, Raik**; **Risthein, Endel** 2006 http://www.ester.ee/record=b2156786*est

Power electronics : electrical energy converters
Raud, Zoja; **Vodovozov, Valery** 2014 https://www.ester.ee/record=b4421523*est

Power electronics : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 http://www.ester.ee/record=b2373811*est

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, Istambul, Turkey, 01-04 June, 2014 2014 / p. 1409-1414 : ill

Predictive control of multi-pump stations with variable-speed drives
Vodovozov, Valery; **Raud, Zoja** IET electric power applications 2017 / p. 911-917 : ill https://doi.org/10.1049/iet-epa.2016.0361
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Professional thesaurus of engineering educational system [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** WMSCI 2009 : The 13th World Multi-Conference on Systemics, Cybernetics and Informatics. [IMSCI'09 : ... IMETI 2009 : ...] : July 10th-13th, 2009, Orlando, Florida, USA : proceedings 2009 / p. 212-217 [CD-ROM]

Project-based collaborative learning of electrical engineering master students
Raud, Zoja; **Vodovozov, Valery** IEEE EDUCON 2010 Conference : Madrid 2010 : program book 2010 / p. 382
https://www.researchgate.net/publication/224148610_Project-based_collaborative_learning_of_electrical_engineering_master_students

Promotion of the students' success in higher engineering education
Raud, Zoja; **Vodovozov, Valery**; **Aksjonov, Andrei**; **Petlenkov, Eduard** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [6] p. : ill https://doi.org/10.1109/RTUCON.2017.8124806

Reduction of academic dishonesty in learning engineering courses
Raud, Zoja; **Vodovozov, Valery** 17th International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 23-29 : ill
http://ise.elnet.ee/record=b2949857~S2*est

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

Research and development of computational-intelligence–based safety Systems for ground vehicles = Tehisintellekti meetoditel põhinevate ohutussüsteemide uurimine ja arendamine maapealsete sõidukite jaoks
Aksjonov, Andrei 2019 https://digi.lib.ttu.ee/i/?12389

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 trial instrumentation for electric propulsion motor drives = Elekterveoajamite

katsekeskkonna uurimine ja arendamine
Rassõlkin, Anton 2014 https://www.ester.ee/record=b3091498*est

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

Review of energy challenges and horizons of hydrogen city buses
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2022 / art. 6945 https://doi.org/10.3390/en15196945 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Review of the present state, development trends, and advancements of power electronic converters used in robotics
Vodovozov, Valery; **Raud, Zoja** Energies 2025 / art. 2638 https://doi.org/10.3390/en18102638

Review of Trends in the Development of Power Rectifiers used in Robotics
Vodovozov, Valery; **Raud, Zoja** 2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI) 2025 / 6 p. https://doi.org/10.1109/IATMSI64286.2025.10984733

Review on Braking Energy Management in Electric Vehicles
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2021 / art. 4477 https://doi.org/10.3390/en14154477 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Robust speed controllers with autotuning for electrically driven equipment
Aksjonov, Andrei; **Serbin, Aleksandr**; **Vodovozov, Valery**; **Raud, Zoja** 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January - 2nd of February 2019 : proceedings 2019 / 6 p. : ill https://doi.org/10.1109/IWED.2019.8664397

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 School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 42-47 : 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

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]

Simulation and evaluation of control methods for the rolling stock static auxiliary converter based on three-level NPC inverter topology [Electronic resource]
Roasto, Indrek; **Vinnikov, Dmitri**; **Vodovozov, Valery** POWERENG 2009 : 2nd International Conference on Power Engineering, Energy and Electrical Drives : 18-20 March, 2009, Lisbon, Portugal 2009 / p. 593-598 : ill. [CD-ROM] https://ieeexplore.ieee.org/document/4915176/similar#similar

Simulation and experimental study on energy management of circulating centrifugal pumping plants with variable speed drives = Muudetava kiirusega ajamitega tsentrifugaalpumpadega varustatud tsirkulatsioonpumbajaamade energiahaldussüsteemide simuleerimine ja eksperimentaalne uurimine
Gevorkov, Levon 2017 https://digi.lib.ttu.ee/i/?7669 https://www.ester.ee/record=b4674192*est

Simulation in learning power electronics
Laugis, Juhan; **Lehtla, Tõnu**; **Vodovozov, Valery** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 83-88

Simulation instruments to study power electronics of motor drives [Electronic resource]
Raud, Zoja; **Vodovozov, Valery**; **Jalakas, Tanel**; **Laugis, Juhan** 6th International Conference-Workshop Compatibility and Power Electronics : May 20-22, 2009 : CPE 2009 : conference proceedings 2009 / p. 306-310 [CD-ROM]

Simulation study of electric vehicles at fuzzy PID control of braking torque
Vodovozov, Valery; **Petlenkov, Eduard**; Aksjonov, Andrei; **Raud, Zoja** Informatics in Control, Automation and Robotics : 17th International Conference, ICINCO 2020 Lieusaint - Paris, France, July 7–9, 2020, Revised Selected Papers 2022 / p. 261–290 https://doi.org/10.1007/978-3-030-92442-3_15 Conference proceedings at Scopus Article at Scopus

Simulation study of processes in electric vehicles under braking control based on reinforcement learning
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p https://doi.org/10.1109/CPE-POWERENG58103.2023.10227478

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 tools to study power electronics [Electronic resource]
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu**; **Pettai, Elmo** EPE 2009 : 13th European Conference on Power Electronics and Applications : 8-10 September 2009, Barcelona, Spain 2009 / ? p. [CD-ROM]

Simulation-based training in engineering
Vodovozov, Valery; **Raud, Zoja** EUROMEDIA'2009 : featuring : Fifteenth Annual Scientific Conference on Web Technology, New Media Communications and Telematics Theory Methods, Tools and Applications : April 15-17, 2009, Bruges, Belgium 2009 / p. 73-79

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

Space vector modulation with reduced switching losses for motor drive inverters [Electronic resource]
Egorov, Mikhail; **Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 388-393 [CD-ROM] https://www.semanticscholar.org/paper/Space-vector-modulation-with-reduced-switching-for-Egorov-Vodovozov/89b803db973d2bd7908d7596b234f56665c14d4c

Speed control of electric vehicle propulsion with autotuning at changeable driving modes and road conditions
Aksjonov, Andrei; Nedoma, Pavel; **Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** 2019 IEEE International Conference on Mechatronics (ICM) : proceedings 2019 / p. 584-589 : ill https://doi.org/10.1109/ICMECH.2019.8722909

Staff training for servicing special power electronic applications [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 319-324 [CD-ROM] https://ieeexplore.ieee.org/document/5942254

Strengthening active learning with a reinforcement approach in engineering education
Vodovozov, Valery; **Raud, Zoja**; **Petlenkov, Eduard** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p https://doi.org/10.1109/RTUCON62997.2024.10830891

Student assessment in engineering education
Vodovozov, Valery; **Lehtla, Tõnu**; **Laugis, Juhan** 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. 145-151

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

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 (ELEL '13) : Valencia, Spain, August 6-8, 2013 2013 / p. 102-107 https://www.semanticscholar.org/paper/TEACHING%2C-

LEARNING%2C-AND-ASSESSMENT-INTEGRATION-IN-Raud-Vodovozov/cb585ef4d9928282bda584b05ad9cc3129a18de8

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

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 model of extracurricular work with students of engineering specialities
Vodovozov, Valery; **Raud, Zoja**; Detsiuk, Tetiana Advanced education = Новітня освіта 2018 / p. 55–61
http://doi.org/10.20535/2410-8286.143528

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

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

A toolbox to design and study electric drives
Vodovozov, Valery; **Raud, Zoja**; **Egorov, Mikhail** EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T5-142 - T5-148

A toolbox to design and study mechatronic systems
Vodovozov, Valery; **Raud, Zoja** Proceedings of the 29th IASTED International Conference on Modelling, Identification and Control (MIC 2010) : February 15-17, 2010 Innsbruck, Austria 2010 / p. 276-283 : ill. [CD-ROM]

A Toolbox to design inverters for automotive applications
Vodovozov, Valery; **Raud, Zoja**; **Lehtla, Tõnu** Recent Researches in Applications of Electrical and Computer Engineering : [proceedings of the AEE'12, ACE'12, CSS'12 : Vouliagmeni Beach, Athens, Greece, March 7-9, 2012] 2012 / p. 190-195 : ill
https://www.researchgate.net/publication/262257028_A_toolbox_to_design_inverters_for_automotive_applications

Torque control in blended antilock braking systems of electric vehicles [Online resource]
Vodovozov, Valery; **Petlenkov, Eduard**; **Raud, Zoja**; Aksjonov, Andrei BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill
https://doi.org/10.1109/BEC.2018.8600978

Trajectory phase–plane method - based analysis of stability and performance of a fuzzy logic controller for an anti-lock braking system
Aksjonov, Andrei; Ricciardi, Vincenzo; **Vodovozov, Valery**; Augsburg, Klaus 2019 IEEE International Conference on Mechatronics (ICM) : proceedings 2019 / p. 602-607 : ill https://doi.org/10.1109/ICMECH.2019.8722831

Universities collaboration in teaching power electronics [Electronic resource]
Vodovozov, Valery; **Laugis, Juhan** EPE 2007 : 12th European Conference on Power Electronics and Applications : 2-5 September 2007, Aalborg, Denmark 2007 / [8] p. [CD-ROM]

Variable-speed single-phase induction motor drive for vehicular applications
Vodovozov, Valery; **Lillo, Nikolai**; **Raud, Zoja** Electrical angineering eesearch (EER) 2014 / p. 18-24 : ill

Ways to reduce switching losses in motor drive inverters
Vodovozov, Valery; **Lehtla, Tõnu** 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. 3-9 : ill

WEB-based learning content management system of power electronics
Vodovozov, Valery; **Raud, Zoja** EUROMEDIA'2011 : featuring : Sixteenth Annual Scientific Conference on Web Technology, New Media Communications and Telematics Theory Methods, Tools and Applications : April 18-20, 2011, London, United Kingdom 2011 / p. 21-23

Virtual lab to study power electronic converters [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 2010 / p. 703-708 [CD-ROM]
https://www.researchgate.net/publication/241171359_Virtual_lab_to_study_power_electronic_converters

Virtual lab to study power electronics in LabVIEW framework
Raud, Zoja; **Vodovozov, Valery** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p
https://doi.org/10.1109/PQ.2019.8818275

Электролиз как способ аккумулирования избыточной энергии ветроэнергетических установок
Egorov, Mikhail; **Vinnikov, Dmitri**; **Vodovozov, Valery** Технічна електродинамика 2008 / 1, с. 42-47 : ил