

### **About evaluation of teaching effectiveness in Tallinn Polytechnic School**

**Tšurkina, Natalja** 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. 156-157

### **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 magnetic bearing calibration to compute levitation force in a bearingless synchronous reluctance motor drive**

**Mukherjee, Victor; Belahcen, Anouar;** Hinkkanen, Marko Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 165-168 : ill

### **Active power losses in Estonian power transmission network**

**Ainsaar, Karin Maria; Ülavere, Eero; Tammoja, Heiki; Valtin, Juhan** 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. 112-117 : ill

### **Address from General Chairman**

**Vinnikov, Dmitri** 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. 3

### **Address from the General Chairman**

**Zakis, Janis** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 3

### **Adjusting the number of working pumps through efficiency control**

**Bakman, Ilja** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 75-80 : ill

### **Aerial imagery classification and path planning**

**Hudjakov, Robert; Tamre, Mart** 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. 147-148 : ill

### **Algorithm for management of energy in the microgrid DC bus**

**Peterson, Kristjan** 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. 170-174 : ill

### **An alternative approach to solving of the inverse kinematics**

**Zhigailov, Sergei; Arjassov, Gennadi** 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. 164-165 : ill

### **An image processing algorithm for decoding line type code**

**Juurma, Märt** 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. 193-197 : ill

### **An object detection and pose estimation approach for position based visual servoing**

**Shi, Lei** 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. 193-196 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **An overview of electrical vehicle and hybrid electrical vehicle drives**

**Rassõlkin, Anton** 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. 76-80

### **Analysis and application of light-technical parameters to assure pedestrian safety on roadway crossings with additional lighting**

**Varjas, Toivo;** Armas, Jelena; **Rosin, Argo** 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. 148-151 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Analysis of distribution substation topologies for energy exchanging between EV and utility networks**

**Mägi, Marek** 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. 158-167 : ill

### **Analysis of methods and tools for industrial automation engineering**

**Müür, Margus; Pettai, Elmo** 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. 88-92 : ill

**Analysis of modelling electric transportation networks**

**Mägi, Marek** 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. 73-77 : ill

**Analysis of peak shaving of utility networks loads with electric vehicles connected to distribution substations**

**Mägi, Marek** 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. 184-191 : ill

**Analysis of proposed microgrid electric energy management methods**

**Korõtko, Tarmo** 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. 205-209

**Analysis of the quality problems of marking saw material in the sawmill**

**Põlder, Ahti** 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. 185-189 : ill

**Analysis of the traction system impact on voltage unbalance distribution in public electric networks**

**Sarnet, Tanel; Kilter, Jako** 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. 238-241 : ill

**Analysis of water removal parameters in mining sites**

**Robam, Karin; Valgma, Ingo** 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. 119-124 : ill

**Analysis on faulty phase grounding in medium-voltage networks with isolated neutral**

**Kütt, Lauri; Järvik, Jaan** 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. 281-284 : ill

**Analytical methods for determination of sulfur content in oil shale**

**Pikkor, Heliis** 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. 213-215 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Application of hyperspectral imaging in waste paper sorting**

**Juurma, Märt; Sillat, Mari-Liis; Tamre, Mart** 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. 197-200 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Application of Leddar to optimize image processing operations**

**Mets, Oliver; Piigli, Ervin** 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. 209-210 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Approximation of limit amplitudes of stresses**

**Arjassov, Gennadi; Žigailov, Sergei** 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. 332-333 : ill

**Automated complex determination indicators of power quality**

**Mandziy, Victor; Lypnytskyy, Volodymyr; Babyuk, Sergiy; Sysak, Ivan** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 95-99 : ill

**Bare overhead conductor thermal rating calculation on the example of Estonian OHL**

**Šlenduhhov, Vadim; Kilter, Jako** 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. 210-213 : ill

**Basics of optimal design of district heating pipelines diameters and design examples of Estonian old non-optimised district heating networks**

**Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu** 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. 149-153 : ill

**Benefit analysis of plug-in hybrid electric vehicle technology**

**Kõivastik, Ivar** 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. 225-226

### **Bidirectional soft-switching current-fed flyback converter with natural clamping for low voltage battery energy storage applications**

**Kosenko, Roman** 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. 133-137 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Blasting parameters and seismic data - a background study**

**Ring, Merike; Soosalu, Heidi Elisabet; Nikulins, Valerijs** 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. 176-178 : ill

### **Building energy audit on example of office building**

**Soots, Georg** 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. 119-122 : ill

### **CAD-program in teaching process of electrical engineers**

**Naadel, Raul** 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. 190-191 : 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

### **Camera gimbal control system for unmanned platforms**

**Tiimus, Kristjan; Tamre, Mart** 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. 202-207 : ill

### **Camera gimbal performance improvement with spinning-mass mechanical gyroscopes**

**Tiimus, Kristjan; Tamre, Mart** 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. 160-163 : ill

### **Case study of ECD model accuracy in estimating the cell output voltage and power dissipation**

**Rahmoun, Ahmad; Biechl, Helmuth; Rosin, Argo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 45-48 : ill

### **Cogging torque reduction methods**

**Kudrjavitsev, Oleg; Kilk, Aleksander** 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. 212-214 : ill

### **Compact fluorescent lamp harmonic disruption effect of transformer losses**

**Mõlder, Heigo; Lellsaar, Mikk; Kütt, Lauri** 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. 277-280 : ill

### **Comparison between equivalent circuit diagrams and fractional rational functions in the frequency domain for Lithium-ion battery modeling**

**Rahmoun, Ahmad; Biechl, Helmuth; Rosin, Argo** 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. 55-58 : ill

### **Computational groundwater model of west area of Estonian Oil Shale deposit as modern tool for estimations**

**Lind, Helena** 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. 125-128 : ill

### **Computer vision in applications of adaptive management**

**Shvarts, Dmitry; Tamre, Mart** 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. 212-215 : ill

### **Concept maps as a tool for engineering education**

**Raud, Zoja; Lehtla, Tõnu** 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. 31-36 : ill

### **Condition monitoring of electrical machines**

**Vaimann, Toomas; Kallaste, Ants** 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. 209-212 : ill

### **Control methodology of the rolling stock auxiliary power supply**

**Roasto, Indrek; Vinnikov, Dmitri** 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. 122-125 : ill

#### **Cooperation models between companies and universities : a case study**

**Randmaa, Merili; Otto, Tauno** 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. 261-263 : ill

#### **Current control strategy of a grid connected three-level neutral-point-clamped qZS inverter**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri**; Stepenko, Serhii 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. 97-101 : ill

#### **Demagnetization on permanent magnet machine with Halbach array**

**Kallaste, Ants; Belahcen, Anouar; Kilk, Aleksander** 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. 81-84 : ill

#### **Demand side management potential in Estonia**

**Drovtar, Imre** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 81-87 : ill

#### **Demand side management potential in Estonia - a case study for the wood industry**

**Drovtar, Imre; Rosin, Argo; Kilter, Jako** 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. 94-97 : ill

#### **Dependence of land stability on applied mining technology**

**Karu, Veiko** 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. 252-255 : ill

#### **Description of teaching process using six-dimensional space framework**

**Brindfeldt, Eduard; Müür, Margus; Pettai, Elmo** 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. 76-83 : ill

#### **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 guidelines of new step-up DC/DC converter for fuel cell powered distributed generation systems**

**Zakis, Janis; Vinnikov, Dmitri; Roasto, Indrek**; Strzelecki, Ryszard 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. 33-41 : ill

#### **Design of laboratory equipment for investigation of regulators for LED luminary**

**Milaševski, Irena** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 38-43 : ill

#### **Design of orthesys for correction of human gait**

Kuznetsov, Artem; **Žigailov, Sergei** 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. 289-291 : ill

#### **Design of primary power supply for composite LED luminary**

**Milaševski, Irena**; Galkin, Ilja 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. 122-125 : ill

#### **Design, optimization and prototyping of small power transformes**

**Reinap, Avo; Pikner, Rando; Jonikan, Roman; Pärn, Karl**; Jakobsons, Edgars; Papickas, Andrius; Dworakowski, Piotr 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. 219-225 : ill

#### **Detection of mine collapses with seismic methods in the Estonian oil shale mining area**

**Otsmaa, Merle; Soosalu, Heidi Elisabet; Valgma, Ingo** 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. 171-172 : ill

#### **Determination of circulating fluidized bed boiler thermal efficiency burning oil shale with different properties**

**Plamus, Kristjan** 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. 146-148 : ill

#### **Determination of leakage inductances of three-winding transformer for HF-PSA resonant circuit**

**Šklovski, Jevgeni; Janson, Kuno; Niilo, Helar** 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. 113-116 : ill

#### **Determination of thermal convection coefficient from coil's flat plate side**

**Shams Ghahfarokhi, Payam; Kallaste, Ants; Belahcen, Anouar** 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. 130-132 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Development of electrical network of Tallinn University of Technology**

**Soots, Georg** 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. 88-92 : ill

#### **Development of experimental microgrid in Tallinn University of Technology**

**Peterson, Kristjan** 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. 101-102 : ill

#### **Development of students' creative activity through experimentation**

**Raud, Zoja** 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. 23-28 : ill

#### **Diagnostics system for electronic circuits**

**Melentjev, Sergei** 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. 192-194 : ill

#### **Digital control modeling for transportation problem optimization**

Musalimov, Victor; Ruban, Dmitry; **Ruban, Olga** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 19-22 : ill

#### **Digital object memory based monitoring and assistance applications in manual work station**

**Aruväli, Tanel** 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. 274-276 : ill

#### **Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015**

2015 [https://www.ester.ee/record=b4448632\\*est](https://www.ester.ee/record=b4448632*est)

#### **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

#### **Economic analysis of a biogas-fuelled cogeneration power plant**

**Kuhi-Thalfeldt, Reeli; Valtin, Juhan** 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. 164-168 : ill

#### **Economics of renewable generation in Estonian electricity market**

**Knõš, Izabella;** Landsberg, Mart; **Valtin, Juhan** 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. 103-109 : ill

#### **Eddy current electrical conductivity measurements for temperature measurements**

**Parker, Martin; Pokatilov, Andrei; Kübarsepp, Toomas** 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. 259-260 : ill

#### **Educational thesauri for mastering engineering courses**

**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

#### **Effectiveness analysis of microgrid modules**

**Peterson, Kristjan** 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. 146-148 : ill

#### **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]**

**Lahtmets, Rain** 2010 [https://www.ester.ee/record=b2549033\\*est](https://www.ester.ee/record=b2549033*est)

#### **Elaboration of tool for production process reliability evaluation in machinery industry**

**Kostina, Marina; Karaulova, Tatjana** 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. 263-268 : ill

**Electric vehicles and their impact on the Estonian power system load curve**

**Drovtar, Imre** 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. 139-141 : ill

**Electricity price and load forecast based new energy management system for households**

**Lebedev, Denis; Melentjev, Sergei; Rosin, Argo** 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. 73-77 : ill

**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 [http://www.ester.ee/record=b2741953\\*est](http://www.ester.ee/record=b2741953*est)

**Energy consumption of mini UAV helicopters with different number of rotors**

**Aleksandrov, Dmitri; Penkov, Igor** 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. 259-262 : ill

**Erosion wear testing of boiler steels at elevated temperatures**

**Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim** 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. 248-250 : ill

**Evaluation of local aggregate unbound mixtures for Estonian highway base courses**

**Gulevitš, Julia; Talvik, Ott** 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. 239-243 : ill

**Example of automatic safety systems based on power line communication and Microsoft Azure**

**Daukaev, Kamil; Rassõlkin, Anton; Belahcen, Anouar** 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. 95-96 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Experimental analysis of extended boost quasi-Z-source inverters**

**Ott, Silver; Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri** 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. 65-67 : ill

**Experiments with travelling wave transients for verification of suitability of sensor**

**Kütt, Lauri; Järvik, Jaan** 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. 149-152 : ill

**Fabrication of polydimethylsiloxane stamps**

**Dhoska, Klodian; Sinani, Uljan; Komina, Bledar** 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. 11-14 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Facing distorted current and undesirable consumption in smart grids**

**Niitsoo, Jaan; Šuvalova, Jelena; Haas, Ats; Palu, Ivo; Taklaja, Paul** 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. 142-146 : ill

**Features of sustainable assessment methodology**

**Šommet, Julija; Pastarus, Jüri-Rivaldo** 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. 179-181 : ill

**First charging cycle model of a lithium-ion battery and its experimental verification**

**Peterson, Kristjan** 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. 118-122 : ill

**First results on load model estimation using digital fault recorder measurements**

**Leinakse, Madis; Sarnet, Tanel; Kangro, Triin; Kilter, Jako** 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. 101-105 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Flexible approach of professional competences in times of economic downturn**

**Brindfeldt, Eduard; Grinko, Aleksandr** 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. 158-165 : ill

**Fluid flow optimization on semiautomatic code marker base**

**Aleksandrov, Dmitri; Penkov, Igor** 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. 306-308 : ill

**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 [http://www.ester.ee/record=b3050698\\*est](http://www.ester.ee/record=b3050698*est)

**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**

**Lahtmets, Rain** 2007 [https://www.ester.ee/record=b2244959\\*est](https://www.ester.ee/record=b2244959*est)

**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](http://www.ester.ee/record=b4650094*est)

**Fuzzy logic control of clutch for hybrid vehicle**

**Vu, Trieu Minh** 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. 26-30 : ill

**Going open source in developing production monitoring system**

**Snatkin, Aleksei; Eiskop, Tanel** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 171-173 : ill

**Heat balance of the CFB boiler**

**Rušeljuk, Pavel** 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. 244-249 : ill

**How important are the wind measurements and is it reasonable to save from wind measurements costs?**

**Pertmann, Indrek** 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. 161-163 : ill

**A hydrogen technology as buffer for stabilization of wind power generation**

**Andrijanovič, Anna; Egorov, Mikhail; Lehtla, Madis; Vinnikov, Dmitri** 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. 62-70 : ill [https://www.ester.ee/record=b2549033\\*est](https://www.ester.ee/record=b2549033*est)

**Identification, control and tuning of the motor speed in TIA portal**

**Ruban, Olga** 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. 34-37 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

**Impact of conducting and insulating material to electric field**

**Järvik, Jaan; Mölder, Heigo; Vaimann, Toomas** 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. 107-112 : ill

**Implementation and testing the sensorless pressure measurement of centrifugal pumps**

**Bakman, Ilja** 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. 132-138 : ill

**Implementation of industrial robots in instruction at Tallinn University of Technology**

**Müür, Margus** 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. 197-200 : ill

**Implementation of snubber circuits in power converters with high-voltage IGBTs**

**Jalakas, Tanel; Blinov, Andrei; Mölder, Heigo; 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. 42-45 : ill

**Improving laboratory training in power electronics**

**Raud, Zoja** 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. 152-155

**Improving visual code based traceability of wood products**

**Põlder, Ahti** 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. 217

**Indexation of carbonate stones sustainable assessment**

**Šommet, Julija** 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. 270-271 : ill

**Influence of distributed generation development on national targets and electricity price in Estonia**

**Kuhi-Thalfeldt, Reeli; Valtin, 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. 75-81 : ill

**An information modeling method for electric micro grids**

**Korõtko, Tarmo** 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. 205-208 : ill

**Infrared radiation excited pigment marking technology**

**Juurma, Märt; Tamre, Mart** 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. 149-150 : ill

**Integration of electric vehicles with microgrid**

**Kõivastik, Ivar** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 44-47 : ill

**Intelligent signal processing for improved measurement reliability**

**Ruban, Olga** 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. 177-181 : ill

**Interaction in RLC-elements and phasor diagram for reactor and transformer**

**Järvik, Jaan; Märss, Mairo** 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. 14-19 : ill

**Laboratory testing of materials for tunnel boring machine drag bits**

**Katušin, Dmitri; Antonov, Maksim; Vu, Trieu Minh; Yung, Der-Liang** 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. 300-303 : ill

**Large-scale wind integration impact on the Baltic region's electricity market participants in 2025 - with and without RES subsidies**

**Drovtar, Imre; Landsberg, Mart; Kilter, Jako; Rosin, Argo** 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. 117-121 : ill

**Legal and safety aspects of explosives handling**

**Valgma, Ingo; Grossfeldt, Gaia; Tomberg, Tõnu;** Tuuna, Viive Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 213-220 : ill

**Limestone macadam quality dependence of an extraction kind**

**Šommet, Julija** 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. 116-118

**Local mineral resources for local road construction, dilemma between sustainability and quality**

**Gulevitš, Julia; Valgma, Ingo** 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. 251-255 : ill

**Local mineral resources for local road construction, the usage of oil shale overburden in Estonia**

**Gulevitš, Julia; Valgma, Ingo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 221-223 : ill

**Long-range navigation for unmanned off-road ground vehicle**

Hudjakov, Robert; **Tamre, Mart** 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. 330-331

**Low speed motion feedback from the unmanned ground vehicle wheels by single-pole magnetic encoders**

**Hiimaa, Mairo; Tamre, Mart** 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. 145-146 : ill

### **Machinery monitoring as a part of higher level systems**

**Snatkin, Aleksei** 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. 285-288 : ill

### **Machinery prognostics**

**Snatkin, Aleksei** 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. 220-223 : ill

### **Machinery real time monitoring application planning for workshop**

**Aruväli, Tanel** 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. 142-144 : ill

### **Magnetic sensor coil shape geometry and bandwidth assessment**

**Kütt, Lauri**; Shafiq, Muhammad 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 58-61 : ill

### **Magnetohüdrodünaamika teaduses ja praktikas**

2017 [http://www.ester.ee/record=b4690571\\*est](http://www.ester.ee/record=b4690571*est)

### **Mapping leddar distance measurements to coordinate system**

**Piigli, Ervin; Mets, Oliver** 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. 173-175 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Methodology of system integrated analysis and assessment of operational efficiency of a technological system (E-Profiil AS case study)**

**Startseva, Emilia; Zahharov, Roman** 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. 280-286 : ill

### **Methods for digitizing mine plans and data of mined out areas**

**Väizene, Vivika; Valgma, Ingo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 241-244 : ill

### **Metrological problem mapping for coordinate measuring machines**

**Dhoska, Klodian; Kübarsepp, Toomas** 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. 312-316 : ill

### **Microgrid control and electricity auction**

**Korõtko, Tarmo** 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. 242-245 : ill

### **Microgrid for the Department of Electrical Drives and Power Electronics**

**Palamar, Andriy; Pettai, Elmo** 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. 54-61

### **Microgrid for TUT Power Engineering Building**

**Peterson, Kristjan** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 54-57 : ill

### **Microgrids performance challenges**

**Kazakov, Aleksei; Janson, Kuno; Vaimann, Toomas** 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. 42-46 : ill

### **Mine blasts in the Aru-Lõuna limestone quarry - a multidisciplinary study using seismology and mining engineering**

**Ring, Merike; Noška, Margus; Soosalu, Heidi Elisabet; Valgma, Ingo; Iskül, Riho** 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. 272-275 : ill

### **Mine pool water and energy production**

**Erg, Katrin; Karu, Veiko; Lind, Helena; Torn, 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. 108-111 : ill

### **Mining conditions for the cement industry**

**Valgma, Ingo; Kolats, Margit; Iskül, Riho** Doctoral School of Energy and Geotechnology II : closing conference of the project :

#### **Mining waste reduction methods**

**Karu, Veiko; Valgma, Ingo; Rahe, Tiit** 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. 278-280 : ill

#### **Model based power estimation for centrifugal pumps**

**Gevorkov, Levon** 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. 97-100 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Modeling and analysis of the synchronous generators excitation systems**

Slenduhhov, Vadim; **Kilter, Jako** 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. 252-257 : ill

#### **Modeling and synthesis of belt driven ship model testing carriage system**

**Liyanage, Dhanushka Chamara; Kivi, Indrek; Tamre, Mart** 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. 167-170 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Modelling of HVAC cable network for system studies**

**Kangro, Triin** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 161-164 : ill

#### **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

#### **Nanodevices expectations in construction engineering**

**Aruväli, Tanel** 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. 289-294 : ill

#### **Necessity to use the standard IEC 61850**

**Dmitrenko, Igor** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 34-37 : ill

#### **Network quality indicators and overview of long-term load forecasting models**

**Laanetu, Margus; Hõbejõgi, Tiit** 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. 192-196 : ill

#### **Neutral-point-clamped quasi-Z-source inverter with field-programmable gate array based control**

**Stepenko, Serhii; Husev, Oleksandr; Vinnikov, Dmitri** 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. 76-77 : ill

#### **New modulation technique for three-level quasi-Z-source inverter**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri** 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. 68-71 : ill

#### **New trends in galvanically isolated impedance-source DC-DC energy conversion**

**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 multiport DC/DC converter for distributed energy systems**

**Andrijanovitš, Anna** 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. 57-60 : ill

#### **Numerical simulation of uprising gas-solid particles flow by 2D RANS model for CFB conditions**

**Krupenski, Igor; Kartušinski, Aleksander; Siirde, Andres** 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. 256-261 : ill

#### **Obstacles to proper operation of substation telematics**

**Dimitrenko, Igor** 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. 93-98 : ill

### **Oil shale mining developments in Estonia as the bases for sustainable power industry**

**Valgma, Ingo; Karu, Veiko; Viil, Allan; Lohk, Martin** 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. 96-103 : ill

### **Oil shale reserves in Estonia**

**Tammeoja, Tauno; Loko, Margus; Valgma, Ingo; Karu, Veiko; Tohver, Tarmo** 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. 94-95

### **Ontology-based design of a curriculum with flexible educational trajectories**

**Raud, Zoja** 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. 38-43 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Optimal design of elastic elements of ladder frames**

**Arjassov, Gennadi; Zhigailov, Sergei** 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. 287-288

### **Optimization mini unmanned helicopter energy consumption by changing geometrical parameters of coaxial rotor pairs**

**Aleksandrov, Dmitri; Penkov, Igor** 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. 139-141 : ill

### **Optimization of the alignment position for SPAD-detector calibration**

**Dhoska, Klodian; Hofer, Helmut; Lopez, Marco; Kübarsepp, Toomas; Kück, Stefan** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 201-202 : ill

### **Output filter for the high-voltage DC/DC converter**

**Müür, Margus; Vinnikov, Dmitri** 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. 118-121 : ill

### **Overview of automatic paper sorting**

**Pölder, Ahti** 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. 166-167

### **Overview of control methods of DC-AC grid connected converter**

**Makovenko, Elena; Husev, Oleksandr** 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. 69-71 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Overview of development in the field of energy exchange between electric vehicles and utility network**

**Mägi, Marek** 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. 123-124 : ill

### **Overview of e-manufacturing practices and possibilities**

**Sonk, Kaimo; Otto, Tauno** 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. 208-211 : ill

### **Overview of intraday variable tariff system**

**Kivipõld, Tanel** 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. 236-237 : ill

### **Overview of research problems in flexible manufacturing systems**

**Hermaste, Aigar** 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. 218-219

### **Overview of simplified mathematical models of batteries**

**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

### **Overview of wear problems in circulating fluidized bed boilers**

**Priss, Jelena; Klevtsov, Ivan** 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. 157-159 : ill

### **Permanent magnet axial-flux generator with toroidal winding**

**Kallaste, Ants; Kilk, Aleksander** 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. 186-189 : ill

#### **PhD studies in Ternopil State Ivan Pul'uj Technical University**

**Palamar, Andriy;** Matsiuk, Oleksandr; Karpinsky, Mykola 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. 240-243 : ill

#### **Physical and chemical properties of Estonian balneological peat**

**Orru, Mall** 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. 140-144 : ill

#### **Possible solutions of using multi-engine power systems for switching locomotives**

**Rassõlkin, Anton** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 7-10 : ill

#### **Possible usage of crushing buckets in oil shale mining**

**Rahe, Tiit; Nurme, Martin; Karu, Veiko; Valgma, Ingo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 233-236 : ill

#### **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 and frequency control principles of different European synchronous areas**

**Pulkkinen, Svetlana; Attikas, Raivo** 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. 200-204

#### **Power market liberalisation experience in Baltic states : review of power market liberalisation process in Estonia, Latvia and Lithuania**

**Sapp, Erkki** 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. 77-81 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Power supply system based on photovoltaic panels and three-level NPC inverter**

**Shults, Tatiana** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 154-157 : ill

#### **Practical issues in utilizing intelligent motion control layer in UGV-type robots**

**Hiiemaa, Mairo; Tamre, Mart** 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. 190-192 : ill

#### **Prediction of semiconductor losses in a high-power high-voltage DC/DC converter**

**Jalakas, Tanel; Vinnikov, Dmitri** 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. 114-117 : ill

#### **Preliminary study on voltage level influence on harmonic current of LED lamps**

**Jarkovoi, Marek; Kütt, Lauri** 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. 116-120 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **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

#### **Pressure regulation in centrifugal pumping system with PLC**

**Gevorkov, Levon** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 105-109 : ill

#### **Primary magnetic field and basic winding for 54 slots and 20 poles permanent magnet generation**

**Lepa, Erko** 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. 285-290 : ill

#### **Primary saving opportunity in street lighting**

**Kuusik, Marko; Teemets, Raivo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 117-119 : ill

#### **Problems in the operation of parallel-series converter when using two switch forward inverter**

**Niilo, Helar; Vaimann, Toomas** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 28-33 : ill

**Problems of using foundation earth electrodes in Estonia**

**Hromov, Anton; Risthein, Endel** 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. 268-271 : ill

**Producing electricity from biogas : the new possibilities for farms**

**Astapov, Victor** 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. 110-112 : ill

**Productivity improvement by implementing lean production approach**

**Mahmood, Kashif** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 183-188 : ill

**Profitability of energy storages for household load scheduling**

**Lebedev, Denis; Rosin, Argo; Auväärt, Aivar** 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. 70-75 : ill

**Pulverized combustion vs Circulating Fluidized Bed combustion boiler efficiency comparison**

**Rušeljuk, Pavel** 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. 142-145 : ill

**Quaternary and Paleozoic mineral resources of the Harjumaa County, Estonia**

**Notton, Angela; Sõstra, Ülo** 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. 265-269 : ill

**Readability of research writing and text variables in readability formulas**

**Laane, Mare-Anne** 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. 7-10

**Reduction of greenhouse gas emissions from energy sector**

**Roos, Inge; Siirde, Andres** 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. 154-156 : ill

**Research and development in Tallinn University of Technology : [slides]**

**Keevallik, Andres** 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. 3-5

**Review of wireless technologies for the Smart Grid**

**Ruban, Jelena** 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. 50-53 : ill

**Risk assessment method for partner network of SMEs**

**Mahmood, Kashif; Ševtšenko, Eduard** 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. 184-188 : ill  
[http://www.eester.ee/record=b4650094\\*est](http://www.eester.ee/record=b4650094*est)

**Road lighting measurement and evaluation of new technologies**

**Varjas, Toivo; Oorn, Arvo** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 158-160 : ill

**Road safety by improved road lighting : road lighting measurements and analysis**

**Armas, Jelena; Laugis, Juhan** 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. 83-90 : ill

**Road to the PhD energy and geotechnology**

**Karu, Veiko** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 237-240 : ill

**Robot programming variants**

**Sedjakin, Aleksei** 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. 204-206 : ill

**Rotor lifting force optimization by changing dimensions of rim around it**

**Aleksandrov, Dmitri; Penkov, Igor** 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. 292-295 : ill

#### **Science Club of Mining and Geology as it affects higher education**

**Karu, Veiko; Önnis, Ave-Önne;** Pärnasalu, Reili 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. 112-113 : ill

#### **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

#### **Selection of light regulation technique for distributed lighting system**

**Milaševski, Irena;** Tetervenk, Oleg 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. 33-36 : ill

#### **Self-assessment in learning electrical engineering disciplines**

**Raud, Zoja** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 23-27 : ill

#### **Semi-natural simulation of pumping systems**

**Gevorkov, Levon** 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. 129-134 : ill

#### **SEPIC-based modular DC/DC converter**

**Chub, Andrii** 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. 53-55 : ill

#### **Short-circuit currents calculation algorithm in street lighting networks**

Armas, Jelena; **Varjas, Toivo; Ivanov, Aleksandr** 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. 7-10 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Simplified algorithm applicable for vibration measurements in buildings**

**Parker, Martin; Kübarsepp, Toomas** 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. 201-202  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Sissejuhatus energiatehnikasse**

**Risthein, Endel** 2007 [http://www.ester.ee/record=b2290665\\*est](http://www.ester.ee/record=b2290665*est)

#### **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 [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

#### **Slow-speed ring-shaped permanent magnet generator for wind applications**

**Kallaste, Ants; Vaimann, Toomas; Pabut, Ott** 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. 66-69 : ill

#### **Slurry erosion testing of steel with oil shale ash as abrasive**

**Priss, Jelena; Klevtsov, Ivan; Juhani, Kristjan; Antonov, Maksim** 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. 300-302 : ill

#### **SMEs collaborative networks concept of its establishment**

**Poljantšikov, Igor; Ševtšenko, Eduard** 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. 241-247 : ill

#### **Solid fuel combustion in fluidized bed**

**Ots, Arvo** 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. 40-45 : ill

#### **Solution of plane inverse kinematics in case of limited height of space**

**Žigailov, Sergei; Arjassov, Gennadi** 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. 272-273 : ill

#### **Some aspects of closed control loop design**

**Ruban, Olga; Laugis, Juhan** 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. 192-199 : ill

**Some methods to operate artificial limbs using EMG technology**

**Rõbak, Dmitri** 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. 237-239 : ill

**Spatial modelling tools in mining areas for improving mining process**

**Karu, Veiko** 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. 129-133 : ill

**Stability of pillars in drowned mines**

**Otsmaa, Merle** 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. 276-277

**Stability problems in undermined areas**

**Karu, Veiko** 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. 134-137 : ill

**State of charge estimation for Li-ion batteries based on equivalent circuit diagrams and the application of a Kalman filter**

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** 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. 125-128 : ill

**State of the art review of PV module-level power electronics**

**Kosenko, Roman** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 146-151 : ill

**State-of-the-art review of Z-source and quasi-Z-source DC/DC converter topologies**

**Chub, Andrii; Husev, Oleksandr;** Ivanets, Sergii 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. 68-75 : ill

**Stator voltage analysis of frequency converter fed induction generator with broken rotor bars**

**Vaimann, Toomas; Belahcen, Anouar;** Martinez, Javier; **Kilk, Aleksander** 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. 249-251 : ill

**Strategies of hedging in science writing**

**Laane, Mare-Anne** 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. 3-7

**Student and employer satisfaction survey concerning acquisition of production automation related disciplines at Tallinn University of Technology**

**Brindfeldt, Eduard; Müür, Margus** 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. 56-59 : ill

**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

**A study of different aspects for building a thermal model for lithium-ion cells**

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** 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. 47-52 : ill

**Study of high brightness RGB light-emitting diode color control systems**

Tetervenk, Oleg; Galkin, Ilja; **Milaševski, Irena** 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. 168-171 : ill

**Sustainable assessment in dolostone mining management**

**Šommet, Julija; Pastarus, Jüri-Rivaldo** 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. 244-246 : ill

**Sustainable mining conditions in Estonia**

**Valgma, Ingo; Leiaru, Maris; Karu, Veiko;** Iskül, Riho 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. 229-238 : ill

### **Sustainable RFID rack assembly solution for mobile robot platform manufacturing**

**Randmaa, Merili** 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. 198-201 : ill

### **SVPWM strategy for single-phase three-level impedance source inverter**

Shults, Tatiana; Sidorov, Andrey; **Husev, Oleksandr** 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. 144-147 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Teaching holistic value approach at Tallinn University of Technology**

**Randmaa, Merili** 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. 269-273 : ill

### **Techno-economic analysis of hydrogen buffers for distributed energy systems**

**Andrijanovitš, Anna** 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. 96-100 : ill

### **Tehnoloogia ja ajamid**

**Lahtmets, Rain** 2008 [https://www.ester.ee/record=b2458261\\*est](https://www.ester.ee/record=b2458261*est)

### **Testing of PMU-based transmission loss monitoring application**

**Löper, Mari; Tuttelberg, Kaur; Kilter, Jako** 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. 121-124 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **The analyzes of limestone and dolostone aggregate properties for highway constructions**

**Gulevitš, Julia** 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. 138-139

### **The auxiliary systems influence on the energy efficiency of diesel electric locomotives**

**Rassõlkin, Anton** 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. 129-131 : ill

### **The calculation of round plates under the action of local loading by generalized functions**

**Arjassov, Gennadi; Gornostajev, Dmitri** 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. 296-299 : ill

### **The evaluation of wind power forecasting accuracy in Estonia**

**Ulm, Lauri** 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. 123-124 : ill

### **The future of oil shale mining related to the mining and hydrogeological conditions in the Estonian deposit**

**Valgma, Ingo; Lind, Helena; Erg, Katrin; Sabanov, Sergei** 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. 104-107 : ill

### **The genetic systematization of the sandy deposits using their granulometric and mineral composition in Harjumaa County, Estonia**

**Notton, Angela** 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. 300-305 : ill

### **The method of improvement the limestone aggregate quality**

**Gulevitš, Julia** 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. 216-217 [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **The preview of development of street lighting in Tallinn**

**Milaševski, Irena; Teemets, Raivo** 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. 170-174 : ill

### **The quasi-Z-source DC/DC converter with a series resonant circuit**

**Liivik, Liisa** 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. 135-140 : ill

### **7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum**

2011 [https://www.ester.ee/record=b2695380\\*est](https://www.ester.ee/record=b2695380*est)

**The size distribution and calorific value regulation possibility with surface continuous miner wirtgen 2500 sm in Narva oil shale open pit condition**

**Väli, Erik** 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. 296-299 : ill

**The subject "Automatics" at a studying of mechatronics specialists**

**Grinko, Aleksandr** 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. 207-212 : ill

**Theoretical basis for dewatering of sewage sludge**

**Reinola, Leino** 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. 157-160 : ill

**13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : in memoriam of professor Juhan Laugis : Pärnu, Estonia, January 14-19, 2013**

2013 [http://www.ester.ee/record=b2925939\\*est](http://www.ester.ee/record=b2925939*est)

**3D measurement setup for angle measurement multi-element photo-detector**

**Dhoska, Klodian; Kübarsepp, Toomas; Hermaste, Aigar** 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. 256-258 : ill

**Transformerless boost AC/DC converter with the front-end active filter**

**Husev, Oleksandr** 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 77-81 : ill

**Transient response analyse of different voltage-fed qZS-family inverters**

**Ott, Silver; Roasto, Indrek; Vinnikov, Dmitri; Teemets, Raivo** 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. 195-199 : ill

**Tunnelling machine cutting pressure calculation**

**Katušin, Dmitri** 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. 234-236 : ill

**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 [http://www.ester.ee/record=b2860606\\*est](http://www.ester.ee/record=b2860606*est)

**Undesirable usage of energy in residential house**

**Niitsoo, Jaan; Palu, Ivo** 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. 126-128 : ill

**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

**Universal single-phase voltage converter for illumination, heating and ventilation systems**

**Gevorkov, Levon** 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. 125-128 : ill

**Use of oil shale fly ash as a binder material in stabilization of soft soils**

**Koroljova, Arina; Pototski, Aleksander** 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. 173-175 : ill

**Using efficiency readings to choose the number of running pumps in multi-pump system**

**Bakman, Ilja** 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. 88-93 : ill

**Using factory automation simulation system in study process**

**Möller, Taavi; Müür, Margus; Pettai, Elmo** 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. 200-203 : ill

**Value investigation for used automotive products by analysis of possible end-of-life scenarios**

**Baškite, Viktoria; Durmanenko, Dmitri; Ševtsova, Kristina** 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. 295-299 :

**Various ways for controlling different types of devices using EMG technology**

**Rõbak, Dmitri** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 / p. 174-176 : ill

**Waste management : energy recovery from solid waste**

**Jõgi, Genrietta; Baškite, Viktoria; Karaulova, Tatjana** 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. 250-255 : ill

**Waste paper sorting using imaging spectroscopy**

**Põlder, Ahti; Juurma, Märt; Tamre, Mart** 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 / p. 283-284 : ill

**Water balance of the Selisoo bog and its changes caused by underground mining**

**Otsmaa, Merle** 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 / p. 247-251 : ill., map

**Water quality in Maardu phosphate rock mining area in Estonia**

**Kolats, Margit; Valgma, Ingo; Robam, Karin** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 / p. 224-229 : ill

**Web-based learning with social networking of electronic engineering and electrical drives**

**Raud, Zoja** 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 / p. 220-225 : ill

**Web-environment elaboration for working with ISO 9001 documents at a production enterprise**

**Polyantchikov, Igor; Karaulova, Tatjana; Ševtšenko, Eduard; Kangilaski, Taivo; Netribiitšuk, Vitali** 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 / p. 304-311 : ill

**Vector optimization of thermal power plants**

**Astapov, Victor** 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 / p. 213-215 : ill

**Vehicle sideslip modeling and estimation**

**Vu, Trieu Minh** 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 / p. 37-41 : ill

**Vertical integration model with Profinet**

**Ruban, Olga** 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. 166-169 : ill

**Vibration as fault indicator in electrical machines**

Farzam Far, Mehrnaz; **Belahcen, Anouar**; Arkkio, Antero; Roivainen, Janne Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 / p. 120-125 : ill

**Wireless sensor network for kitchen automation**

**Vu, Trieu Minh** 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 / p. 51-54 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)