

### **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**

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

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### **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

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**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

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**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; Järvi, 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

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**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**

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#### **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**

Kuznetcov, 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**

**Ghahfarokhi, Payam Shams; 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

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### **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

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**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

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**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

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**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**

**Guleviš, 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  
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**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

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**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

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**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  
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**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

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**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**

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