

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

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

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

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### **Approximation of limit amplitudes of stresses**

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### **Cogging torque reduction methods**

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

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

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

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

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

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

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

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

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

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### **Indexation of carbonate stones sustainable assessment**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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#### **Scientific platforms to explore and test the drives of electric cars**

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#### **Stability of pillars in drowned mines**

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

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

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

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**Waste paper sorting using imaging spectroscopy**

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

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**Vehicle sideslip modeling and estimation**

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