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

Andrijanovitš, 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

# About evaluation of teaching effectiveness in Tallinn Polytechnic School

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## Analysis of methods and tools for industrial automation engineering

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

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

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

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

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## Camera gimbal control system for unmanned platforms

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## Compact fluorescent lamp harmonic disruption effect of transformer losses

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

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## Computer vision in applications of adaptive management

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#### 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

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

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# Fluid flow optimization on semiautomatic code marker base

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#### 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

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

**Jalakas, Tanel**; **Blinov, Andrei**; **Mõlder, 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

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

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# Limestone macadam quality dependence of an extraction kind

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

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# 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

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## 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

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

**Palamar, Andriy**; Matsiuk, Oleksandr; Karpinskyy, 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

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

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# Preparation of industrial robot systems for work in intelligent power networks

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

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# Problems of using foundation earth electrodes in Estonia

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## Review of wireless technologies for the Smart Grid

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# Spatial modelling tools in mining areas for improving mining process

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Energy and Geotechnology. II: [Pärnu, January 11-16, 2010: proceedings] 2010 / p. 129-133: ill

#### Stability problems in undermined areas

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#### 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

# Sustainable RFID rack assembly solution for mobile robot platform manufacturing

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

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

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

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

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## Waste management: energy recovery from solid waste

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