

2015 16th International Scientific Conference on Electric Power Engineering (EPE)

Friday, May 22, 2015 - third day of the conference

Session Power Engineering I, II (ROOM 400)

Chairmans: **A.Senthil Kumar** (VŠB - TU Ostrava, CZ) and **Karel Noháč** (ZČU Plzeň, CZ)

Guarantee: **Stanislav Mišák** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
8:00 - 9:30	7	Toomas Vaimann, Anouar Belahcen, Ants Kallaste, Viktor Bolgov	Environmental Considerations in Lifecycle Based Optimization of Electrical Machines
	170	Petr Chlebis, Ales Havel, Martin Sobek, Katerina Baresova	ZCS Concept of Single-Phase Traction Supply Converters
	15	Pudi.Vasudeva Naidu, Banakara.Basavaraja	PSO based Optima PI Tuning of AHCC D-STATCOM
	17	Krzysztof Solak, Waldemar Rebizant, Ludwig Schiel	Differential Protection of Single-Core Symmetrical Phase Shifting Transformers
	18	Bartosz Brusilowicz, Janusz Szafran	Voltage Stability Estimation Based on Approximate Model and Voltage Measurement
	24	Zhengcheng Dong, Yanjun Fang, Meng Tian	The Cost and Robustness of Cyber-Physical Power Grid With a Novel Model
	30	Pavel Trnka, Jakub Souček, Jaroslav Hornak, Michal Svoboda, Tomasz Koltunowicz, Miroslav Gutten	Statistical Approach to Endurance Models - Data Processing Using Regression Models
9:30 - 10:00	Coffee break		
10:00 - 11:30	47	Vaclav Kus, Tereza Josefova	The Use of Voltage-Source Active Rectifier to Minimize the Effect of Supply Voltage Drops on Converters
	48	Pavel Brandstetter, Martin Kuchar	Rotor Flux Estimation Using Voltage Model of Induction Motor
	60	Ivo Neborak, Vaclav Sladeczek, Martin Kuchar	Modelling and Simulation of Induction Machine and Frequency Converter Considering Power Losses
	83	Andrzej Rusek, Ihor Shchur, Marek Lis, Andrzej Gastofek, Jarosław Sosnowski, Karol Klatow	Mathematical model for analysis of dynamical states of a drive system containing rolling mill and roller table including the selected parameters of a rolling process
	124	Attila Kment, Marek Pípa, František Janiček	Diagnostics of Medium-Voltage Motors
	142	Petr Chlebis, Ales Havel, Martin Sobek, Katerina Baresova	The Design and Operation of a Liquid Cooled Voltage Inverter for an Accumulation Unit

Supported by **Central European Energy Institute** CZ.1.07/2.2.00/28.0256



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