

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

Thursday, May 21, 2015 - second day of the conference

Session **Electrical Networks I, II (ROOM 500)**

Chairmans: **Jiří Tůma** (CVUT Praha, CZ) and **Michal Kolcun** (TU Košice, SK)

Guarantee: **Jiří Gurecký** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
8:00 - 9:30	4	Martin Kašpírek, Petr Krejčí, Pavel Santarius, Karel Procházka	Flicker due to Operation of Industry Technology
	22	Mirosław Kornatka, Anna Gawlak	Energy losses in low-voltage networks
	33	Robert Czechowski	Cyber-physical security for Low-Voltage Smart Grids - HAN Security within Smart Grids
	35	David Šimáček, Martin Kašpírek	Active and Reactive Power Flows between the Distribution and the Transmission System
	49	Vojtěch Wasserbauer, Tomáš Bajánek, Jaroslava Orságová, David Topolánek	Ground faults simulation model in comparison with performed experiments
	51	Petr Šimek, Viktor Valouch, Jiří Škramlík	New Three Phase PLL and FLL Techniques for Converters Used in Distributed Sources
	66	Kateřina Demjančuková, Luboš Piterka, Jiří Sedlák	External Hazards and the Stability of the Electrical Power System in the Czech Republic
	67	Kinan Wannous, Petr Toman	The Development of The Impedance Measured by Distance Relay During Near-to-Generator Short Circuit
9:30 - 10:00	Coffee break		
10:00 - 11:30	70	Lubomir Marciniak	Detection of high resistance earth faults in medium voltage networks
	79,80	Alexandru Baloi, Florin Molnar-Matei, Adrian Pana, Felicia Baloi, Flaviu Dilerteia	LabVIEW Implementation for Three-Phase Voltage Dip Classification Contributions on the Harmonic Analysis of a Transmission Overhead Line - A Case Study
	87	Žaneta Eleschová, Boris Cintula, Anton Beláň	Methodology of Global Assessment of Operational States of Power System using Deterministic Approach
	106	Zsolt Čonka, Michal Kolcun, Martin Kanálik, Dušan Medved', Martin Vojtek	Increasing Net Transfer Capacity (NTC) by UPFC in Central East Europe power system
	119	Olegs Sliskis, Ilya Dvornikovs, Karlis Ketners, Dmitry Sobolevsky	Specification of transmission tower structure for following surge protection simulation
	143	Karel Noháč, Vladislav Sifař	Reliability of Approximation Function Method for Modelling of Power Lines in Electric Power Systems

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