

2017 18th International Scientific Conference on Electric Power Engineering (EPE)

Thursday, May 18, 2017 - second day of the conference

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

Chairmans: **Petr Toman** (VUT Brno, CZ) and **Michal Kolcun** (TU Košice, SK)

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



Time	No	Authors	Title of paper
8:00 - 9:30	186	Michal Osladil, Libor Kozubík	Auto-calibration of Mathematical Asset Models
	11	Sergey Kokin, Vadim Manusov, Pavel Matrenin	Optimal placement of reactive power sources in power supply systems, using Particle Swarm Optimization and Artificial Bees Colony Optimization
	29	Lubomir Marciniak, Mateusz Piątek	Detection of High Resistance Earth Faults in Medium Voltage Networks Using Higher Harmonics
	34	Mirosław Kornatka	Distribution of SAIDI and SAIFI indices and the saturation of the MV network with remotely controlled switches
	48	Justyna Herlender, Jan Izykowski	Impedance-Differential Protective Algorithm for Long Power Transmission Lines
	100	Victor Astapov, Sergei Trashchenkov	Design and Reliability Evaluation of Standalone Microgrid
9:30 - 10:00	Coffee break		
10:00 - 11:30	133	Mariusz Benesz, Wiesław Nowak, Waldemar Szpyra, Rafał Tarko	Application of Statistical Methods in Insulation Coordination of Overhead Power Lines
	149	Obiora Sam Ezeora, Jana Heckenbergerova, Petr Musilek	Stochastic model and optimum sampling interval of variables for environmental measurement systems
	104	Przemysław Trojan, Martin Wolter, Przemysław Komarnicki	Agent based power system management - concept of congestion management
	168	Victor Astapov, Ivo Palu	Operation and Stability Analysis for Standalone Microgrid through Simulations in DigSilent Software
	24	Qiming Sun, Libao Shi, Yixin Ni, Dajun Si	Critical Line Identification Applicable to Power System Cascading Failures
	128	Kinan Wannous, Petr Toman	Evaluation of harmonics impact on digital relays

