

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

Friday, May 19, 2017 - third day of the conference

Session Power Plants I, II (ROOM 400)

Chairmans: **Oldřich Závíška** (Expert in Power Plants, DE) and **Vladimír Šály** (STU Bratislava, SK)

Guarantee: **Karel Sokanský** (VŠB - TU Ostrava, CZ)



	No	Authors	Title of paper
Time	10	M. Siavash, C. Pfeifer, A. Rahiminejad, B. Vahidi	An Application of Grey Wolf Optimizer for Optimal Power Flow of Wind Integrated Power Systems
	36	Emil Dvorsky, Lenka Rakova	Voltage and frequency regulation in microgrids with photovoltaic power station stations
	44	Sowiński Janusz, Szydłowski Mateusz	Forecast of Electricity Supply Using Adaptive Neuro-Fuzzy Inference System
	70	Vladimir Šály, Milan Perný, Juraj Packa, František Janíček, Michal Váry, Miroslav Mikolášek, Jozef Huran	AC and DC response of heterojunction a-SiC/c-Si for PV application
	103	Milan Belik	Simulation of photovoltaic panels thermal features
	113	Jan Varmuza, Karel Katovsky, Ondrej Stastny, Miroslav Zeman	The spectrum of neutrons and its importance for nuclear power engineering
9:30 - 10:00	Coffee break		
10:00 - 11:30	114	Petr Mastny, Jan Moravek, Michal Vrana, Vojtech Wasserbauer, Martin Vojtek	Mathematical Model of Fast Charging Station with Integrated Accumulators - Impact on Low Voltage Distribution Network
	141	Dušan Medved', Zsolt Čonka, Michal Kolcun, Michal Kosterec	Solution of transient phenomena during the connection of the photovoltaic power plants
	45	Adrian Halinka, Piotr Rzepka, Paweł Sowa, Mateusz Szablicki	New Area Measuring and Decision Algorithm Concepts for Power Lines' Distance Protection
	159	Martin Vojtek, Michal Kolcun, Miroslav Mikita, Michal Spes	Utilization of energy storages in low voltage grids with renewable energy sources
	80	Marek Bálský, Rudolf Bayer, Jan Zálešák, Zuzana Panská	Use of tunable white luminaires for biodynamic lighting
	76	Stanislav Czapp, Seweryn Szultka	Tripping Limitations of Residual Current Devices in Photovoltaic Installations

