

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

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

Session Power Plants I, II (ROOM 500)

Chairmans: **Oldřich Závíška** (Expert in Power Plants, DE) and **Jianhui Wang** (Argonne National Laboratory, USA)

Guarantee: **Radomir Goňo** (VŠB - TU Ostrava, CZ)



| Time | No | Authors | Title of paper |
|---------------|--------------|--|--|
| 8:00 - 9:30 | 11 | Dariusz Borkowski | Small Hydropower Plant as a Supplier for the Primary Energy Consumer |
| | 21 | Tomasz Poplawski | Long-term forecasts of peak power demand for planning the development of power systems in Poland |
| | 82 | Jana Heckenbergerova, Petr Musilek, Marek Janata, Jianhui Wang | Analysis of Wind Ramp Events Using Their Conditional Probabilities from PCA 3D Tables |
| | 109 | Jan Moravek, Petr Mastny, Jiri Pitron | Modeling the Energy Systems in Matlab Simulink – Problematics of Energy System Control |
| | 114 | Ghaeth Fandi, Famous O. Igbinovia, Zdenek Müller, Jan Švec, Josef Tlustý | Using Renewable MV Wind Energy Resource to Supply Reactive Power in MV Distribution Network |
| | 149 | Emil Dvorský, Lenka Raková, Pavla Hejtmánková | Primary and Secondary Frequency Regulation with Photovoltaic Generators |
| | 152 | Grzegorz Dudek | Short-Term Load Cross-Forecasting using Pattern-Based Neural Models |
| 9:30 - 10:00 | Coffee break | | |
| 10:00 - 11:30 | 159 | Aleš Skoták, Ladislav Štégner, Michal Feilhauer, Jindřich Veselý, Jiří Obrovský, Zdeněk Čepa | Uprating of 325 MW Pump Turbine at PSPP Dlouhé Stráně |
| | 166 | Libor Kozubík, Richard Dobiš | Cognitive systems in energy and utilities area |
| | 169 | Victor Astapov, Jelena Shuvalova | Factors Influencing Multicriteria Optimization Process |
| | 179 | Iwona Klosok-Bazan, Anita Sowa, Miroslava Gono, Radomir Gono | Nano-silver as a New Agent for Conditioning of Cooling Water in Power Stations - Technical and Economic Aspects of Technology Implementation |
| | 180 | Miroslava Gono, Iwona Klosok-Bazan, Radomir Gono, Roman Portuzak | Potential of Suitable Locations for Construction of Pumped Storage Hydroelectric Plants |



SKUPINA ČEZ