

2019 20th International Scientific Conference on Electric Power Engineering (EPE)



Friday, May 17, 2019 - third day of the conference

Session Power Plants I, II (ROOM 400)

Chairmans: **Oldřich Závíška** (Expert in Power Plants, DE) and **Nikolay Djagarov** (NVNA, BG)

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

Time	No	Authors	Title of paper
8:00 - 9:30	5	Shahab Khormali, Ebrahim Niknam	Operation Cost Minimization of Domestic Microgrid under the Time of Use Pricing Using HOMER
	63	Matti Lehtonen, Moritz Pichler, Robert Schürhuber	Ground Potential Rise and Lightning Overvoltages in Control Systems of Large Power-Plants under High Soil Resistivity
	64	Karel Noháč, Lenka Raková, Václav Mužík, Karel Máslo	Open Source Platforms for Dynamic Stability Assessment
	83	Jan Votava, Jan Kyncl, Zdenek Müller, Lavr Vetoshkin, Jan Rimbala	Optimized use of the steam accumulator in the combined heat and power production
	101	Daria Wotzka, Andrzej Cichon, Piotr Manowski	Classification of OLTC defects based on AE signals measured by two different transducers
	108	Ondřej Šimek, Lukáš Radil, Petr Toman	Inspection of nuclear irradiated fuel
9:30 - 10:00	Coffee break		
10:00 - 11:30	118	Martin Vojtek, Petr Mastný, Jan Morávek, Rafael Bogo Portal Chagas	Possibilities of Photovoltaic Power Plants Connectable Power Increasing in Low Voltage Grids
	121	Janusz Buchta, Andrzej Oziemski	Flue Gas Heat Recovery in High Efficient Coal-fired Power Plant
	122	Janusz Buchta, Andrzej Oziemski, Michał Oziemski	Analysis of technical condition of lignite-fired power units as the way of reducing the operational risks
	149	Jiri Drapela, David Topolanek, Tomas Hala, Michal Vrana, Vaclav Vycital	Assessment of effectiveness of distributed generation support for voltage regulation by means of power control
	160	Nikolay Djagarov, Zhivko Grozdev, Julia Djagarova, Georgi Enchev	Mathematical Model for Study of Low-Voltage Ride Through of Wind Permanent Magnet Synchronous Generator by means of STATCOM
	161	Nikolay Djagarov, Zhivko Grozdev, Julia Djagarova, Georgi Enchev	Study of Low-Voltage Ride Through of Wind Permanent Magnet Synchronous Generator by means of STATCOM
	73	Pavel Šimon, Michaela Holá	Parameters for modelling of increase EV numbers use