

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

Wednesday, May 15, 2019 - first day of the conference

Short Presentation – Power Plants (ROOM KAVARNA)

Guarantee: Lukáš Prokop (VŠB - TU Ostrava, CZ), Petr Moldřík (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
15:30 - 16:45	8	Aleš Hromádka, Zbyněk Martínek	Usability Assessment of Mathematical Models of the Bathtub Curve
	58	Vladimír Šály, Milan Perný, Milan Andráš	Photovoltaics Integrated in Skylights and Facades of Modern Shopping Malls
	59	Michal Spacek, Zdenek Hradilek	Modelling of Cogeneration Units
	79	Ladislav Novosád, Zdeněk Hradilek	Combination of biogas station and photovoltaic power plant operation
	89	Jan Vysocký, Vojtěch Blažek, Michal Petružela, Stanislav Mišák, Lukáš Prokop	New user-friendly software application to simulate and visualize the distribution system operation
	107	Milan Belik, Lucie Nohacova	Small Hydro Power Plants Operating As Backup Source In Local Island
16:45 - 17:15	Coffee break		

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Time	No	Authors	Title of paper
17:15 - 18:30	112	Petr Seroiszka, Zdeněk Hradílek	Reliability of the PV systems
	117	Martin Vojtek, Petr Mastný, Jan Morávek, Rafael Bogo Portal Chagas	Mathematical Model of the Inverter with Advanced Features
	138	Michal Petruzela, Vojtech Blazek, Jan Vysocky, Lukas Prokop, David Seidl	Energy Harvesting from Discontinuous Flow
	140	Radek Fujdiak, Miroslav Voznak, Petr Mlynek, Jan Slacik, Milos Orgon, Jiri Misurec	Investigating the Suitability of Blockchain for Smart Grid
	151	Melisa Dubiel, Jacek Wydrych	Adsorption in an exhaust gases aftertreatment – computer-aided calculations
	168	Mirosława Kaszubska, Damian Mazur	Impact of combustion of alternative fuel in low power boiler installation on the environment and technical parameters of the boiler
	147	Martin Kral, Radomir Gono, Miroslava Gono	Implementation of Small Hydro Power Plants in Water Facilities
	152	Petr Moldrik, Artem Chesalkin, Daniel Minarik	Infrared Thermography and Computer Simulation in Research of PEM Fuel Cells
174	Michal Kotulla, Matous Vrzala, Radomir Gono	Measuring of fault distance using the fault locator function of protection relay	