

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

Thursday, May 21, 2015 - second day of the conference

Session Electrotechnology I, II (ROOM 400)

Chairmans: **Jerzy Szkutnik** (Częstochowa University of Technology , PL) and **Iraida Kolcunová** (TU Košice, SK)

Guarantee: **Zdeněk Hradílek** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
8:00 - 9:30	46	Jerzy Szkutnik, Bartosz Soroczyński	New possibilities in electrical energy efficiency
	165	Michal Osladil, Libor Kozubík	Smart Asset Management in View of Recent Analytical Technologies
	19	Famous. O. Igbinoia, Ghaeth Fandi, Jan Švec, Zdenek Müller, Josef Tlustý	Comparative Review of Reactive Power Compensation Technologies
	161	Marek Pavlík , Iraida Kolcunova, Lukáš Lisoň	Measuring the shielding effectiveness and reflection of electromagnetic field of building material
	153	Zbyněk Janda, Karel Noháč	Analysis of the electromagnetic influences of overhead lines on nearby pipelines
	184	Obiora Sam Ezeora, Jana Heckenbergerova, Petr Musílek	Analysis of Environmental Measurements Using Variograms
	129	Tomáš Mozdřeň, Stanislav Rusek, Radomír Gono, Daniel Minařík, Petr Moldřík	The Input Analysis of Parameters and Expected Operation Modes of Energetic Technologies in Technological Centre ENET
9:30 - 10:00	Coffee break		
10:00 - 11:30	105	Jiří Pitron, Petr Mastny	Design of Air-Water Heat Pump - Modeling operating conditions of the heat pump in a specific building
	98	David Rot, Stanislav Jirinec, Jiri Kožený, Igor Poznyak	Electrical efficiency of induction furnace with cold crucible via different segments width
	125	Ilona Lázníčková, Ivana Jakubková, Josef Šenk	Experimental Investigation of an Arc Heater Operated on Low Gas Flow Rates
	39	Pavel Posr, Monika Bartunkova, Petr Netolický, Radek Polansky, Jiří Chvojka	Using of statistical tools within optimalization of design of material for high-voltage applications
	147	Zitouni Abdelkader, Abderrahmane Ouali, Hamid Bentarzi	Measurement Quality Enhancement using Digital Filter in Power Grid integrating TCSC
	140	Jan Škoda, Michal Krbal, Mikuláš Parma, Stanislav Sumec, Petr Baxant, Jaroslav Štěpánek	Growth chamber illumination with a special luminaire
	134	Roman Dubnicka, Anton Rusnak, Dionyz Gasparovsky	Analysis of non-recoverable lighting loses of luminaires

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