

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

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

Session Electrotechnology I, II (ROOM 500)

Chairmans: **Michal Váry** (STU Bratislava, SK) and **Ilona Lázníčková** (VUT Brno, CZ)

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



	No	Authors	Title of paper
Time	26	Mikołaj Bartłomiejczyk	Practical application of In Motion Charging: trolleybuses service on bus lines
	55	Josef Senk, Ilona Laznickova, Ivana Jakubova	Power Loss Distribution along the Arc Heater with Intensively Blasted Electric Arc
	67	Pavel Valenta, Václav Koucký, Jiří Hammerbauer	Piezoelectric transformer for high-side MOSFET driver supplying
	74	Stanislaw Czapp, Seweryn Szultka, Adam Tomaszewski	CFD-based Evaluation of Current-Carrying Capacity of Power Cables Installed in Free Air
	81	František Janíček, Milan Perný, Jozef Holjenčík, Vladimír Šály, Markus Giemza	Use of microwave for energy recovery from different types of waste
	82	Juraj Kurimský, Michal Kosterec, Blažena Vargová	Breakdown Voltage of Polypropylene Film During DC and Thermal Ageing
9:30 - 10:00	Coffee break		
10:00 - 11:30	84	Rot D., Kozeny J., Podhrazky A., Jirinec S., Jirinec J., Poznyak I.	Induction Melting of Aluminium Oxide in the Cold Crucible
	97	Michal Krbal, Jaroslav Stepanek, Vojtech Wasserbauer, Jaroslava Orsagova, Stanislav Sumec	Floating Water Bridge Phenomenon High Voltage Laboratory Experiments
	160	Roman Cimbala, Samuel Bucko, Lukáš Kruželák, Michal Kosterec	Thermal Degradation of Transformer Pressboard Impregnated with Magnetic Nanofluid Based on Transformer Oil
	161	Vladislav Sitar, Jan Veleba, Karel Nohac	Load Flow Analysis Using Transformer Models in Alternative Simulation Tools
	95	Marek Florkowski, Jakub Furgał, Maciej Kuniewski, Piotr Pająk	Investigation of overvoltages in distribution transformers
	47	Jaroslav Hornak, Pavel Trnka, Pavel Totzauer, Miroslav Gutten	The Effect of Space Charge Accumulation in High Voltage Insulation Systems

