

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

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

Short Presentation – Electrotechnology (ROOM 600)

Guarantee: **Vladimír Král** (VŠB - TU Ostrava, CZ), **Tadeusz Sikora** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
15:30 - 16:45	2	Farzad Yavari, Hamid Chegini, Saeed Lotfi	Influence of Insulation System Methods on Dissipation Factor and Voltage Endurance
	33	Maksymilian Przygodzki, Rafał Gwóźdź, Łukasz Wakuliński	Selection of chosen model parameters for technical and economic analyzes of the power system
	34	Juraj Packa, Vladimír Durman, Janka Sulova	Behaviour of Fire Resistant Cable Insulation with Different Flame Barriers During Water Immersion
	38	Vladimír Šály, Juraj Packa, Vladimír Ďurman, Jaroslav Lelák	Dielectric properties of PVC leads
	41	Daria Wotzka, Łukasz Nagi, Michał Koziół	Measurement of acoustic emission velocity in natural ester
	49	Jan Rimbala, Jan Votava, Jan Kyncl	Assessment of energy consumption in the residential building with a heat pump
	68	Alexandra Popescu, Emil Lazarescu, Flaviu M. Frigura-Iliasa, Lia Dolga, Hannelore E. Filipescu, Anghel Andreea	Analytical Model for the Electrodynamical Forces inside Electrical Contacts of Commutation Devices
16:45 - 17:15	Coffee break		

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Time	No	Authors	Title of paper
17:15 - 18:30	70	Mihaela Frigura-Iliasa, Felicia I. Baloi, Adrian F. Olariu, Razvan C. Petrenci	Magnetic Field Assessment in the Proximity of High Voltage Power Station Equipment
	86	Jan Strossa, Vladislav Damec	Reversible Coupling Converter
	88	Ludek Pelikan, Michal Krbal, Jaroslava Orsagova	Diagnosis of Dielectric Parameters of PE and PVC Insulations
	99	Wiktoria Kalus, Łukasz Nagi, Michał Koziół	Laboratory tests of the influence of the shape of electroadhesive pads on the value of the attraction force
	146	Marek Balsky, Tomas Zeifart, Michal Kozlok	Electromagnetic Disturbance in Industrial LED Lighting Systems
	159	Peter Mühl, Vladimír Král	Possibilities of using waste heat from computers
	164	Matej Kubis, Patrik Beno, Miroslav Gutten, Matus Danko	CAN Bus Communication using LabVIEW System
	110	Vladimir Kral, Stanislav Rusek, Radomir Gono, Zdenek Hytka, David Lazecky, Tomas Raska, Jiri Horak	Evaluation of Importance of HV Switches According to their Location and Analysis of Protection Fault Logs
	111	Ladislav Rudolf, Vladimir Kral, Milan Bernat	Calculation of Losses in Transmission System in Dependence on Temperature and Transmitted Power