

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

Wednesday, May 17, 2017 - first day of the conference

Short Presentation - Electrotechnology (ROOM 600)

Guarantee: **Tomáš Novák** (VŠB - TU Ostrava, CZ)

Chairman: **Vladimír Král** (VŠB – TU Ostrava, CZ)



Time	No	Authors	Title of paper
15:30 - 16:45	5	Juraj Packa, Michal Váry, Jaroslav Lelák, Vladimír Šály	Degradation of 230/400 V Distribution Cables with PVC Insulation
	49	Petr Rozehnal, Petr Krejčí	Power quality complaints and monitoring of flicker in selected areas of northern Moravia
	52	Grzegorz Dudek, Paweł Pełka	Medium-term Electric Energy Demand Forecasting using Nadaraya-Watson Estimator
	53	Grzegorz Dudek	Ensembles of General Regression Neural Networks for Short-Term Electricity Demand Forecasting
	64	Pavol Spanik, Michal Frivaldsky, Miroslav Pavelek, Zuzana Loncova, Tibor Donic	Electrothermal model of resistance heating of molybdenum sheet
	72	Zuzana Konečná, Michal Zavadil	Impact of Thermal Stress on Coaxial Cable
	87	Tomas Mozdren, Stanislav Rusek, Radomir Gono, Veleslav Mach	Analysis of Properties of Power Inverter Digital Model at the ENET Technological Centre
	88	Bystrík Dolník, Jaroslav Briančin	Monitoring of Leakage Current on HV Surge Arrester as Pollution Indicator of External Insulation
	6	Vladimír Ďurman, Michal Váry, Juraj Packa, Jaroslav Lelák, Vladimír Šály	Assessment of dielectric properties of cable insulation
131	Pavel Totzauer, Pavel Trnka, Jaroslav Hornak, Petr Kadlec, Josef Pihera	Antioxidant Variations in the Nature Ester Oil	
16:45 - 17:15	Coffee break		



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Time	No	Authors	Title of paper
17:15 - 18:30	132	Jiří Ulrych, Pavel Totzauer, Václav Mentlík	Dielectric Properties of Modified Natural Ester Perspective Electrical Insulating Liquid
	35	Jaroslav Petráš, Jaroslav Džmura	Transform Methods used for Partial Discharge Signal Analysis
	62	P. Drgoňa, J. Adamec, M. Danko, M. Taraba	Analysis of Wear using the Knock Sensor
	137	David Simek	Experimental DC Arc Endurance Test of Selected Materials Commonly Used in Switching Devices
	183	Veslav Mach, Lubomir Ivánek, Vladimír Mostýn	Estimating of Traction Capacity in Track Circuits Using Computer Modelling
	90	Jaroslav Džmura, Jaroslav Petráš, Milan Bernát	Solid air exhale analysis
	46	Jaroslav Hornak, Petr Kadlec, Pavel Totzauer, Pavel Trnka, Miroslav Gutten	Dielectric Spectroscopy and Absorption/Resorption Analysis of Composite Dielectric with MgO Filler

