

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

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

Short Presentation – Power Engineering (ROOM 500)

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



	No	Authors	Title of paper
15:30 - 16:45	54	Peter Sojka, Michal Pipiska, Michal Frivaldsky	GaN power transistor switching performance in hardswitching and soft-switching modes
	55	Michal Pipiska, Peter Sojka, Jozef Sedo	Evaluation system for power loss identification of perspective wide bandgap semiconductor transistors
	56	Bohumil Skala, Karel Hruska	Parallel Winding of a Synchronous Generator
	71	Lukáš Český, František Janíček, Filip Skudřík, Jozef Zuščak	Design and testing of voltage instrument transformers for railway application
	76	Marek Paskala, Jozef Sedo, Anna Kondelova, Peter Sojka	Analysis of the possibility of active residual oscillation suppression using an embedded system
	91	Petr Kacor, Petr Bernat	FEM Models of Rotor Failures in Comparison to Real Measurement of IM by External Stray Field
	102	Tomas Urica, Peter Sojka, Dusan Koniar, Anna Simonova, Libor Hargas	The Control Process of an On-off Controller
16:45 - 17:15	Coffee break		

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Time	No	Authors	Title of paper
17:15 - 18:30	103	Simek David, Dostal Lukas, Valenta Jiri	Detection of Local Softening, Welding and Formation of Metallic Bridges between the Copper Contact Pair Using Temperature Measurement
	129	Vojtěch Blažek, Jan Vysocký, Michal Petružela, Lukáš Prokop, Stanislav Mišák, David Seidl	Off-grid system for warning or signalling lighting of dangerous sections of roads
	130	Jan Nekvapil, Jan Škoda, Martin Motyčka	Influence of changes of material's BRDF on a skylight performance under various exterior conditions
	134	Marek Pavlík, Ján Zbojovský, Maksym Oliinyk, Michal Ivančák	Experimental study of high frequency electromagnetic field penetration through building material - concrete wall
	144	Martin Motyčka, Jan Škoda, Jaroslav Štěpánek, Jan Nekvapil	The Practical Correction of Wavelength Uncertainty of Array Spectroradiometers
	153	Petr Becak, Jana Wlosokova, Jan Picha, Tomas Novak, Karel Sokansky	Modeling of Luminous Flux Radiation to the Upper Hemisphere from Real Model of Town
	167	Ondrej Dolejsi, Richard Baleja, Petr Becak, Tomas Novak, Karel Sokansky	A Comparison of Light Sources Technologies of Vehicles Headlights Illuminating a Model Road
	92	Roman Hrbac, Vaclav Kolar, Libor Hrdina	Bi-directional charger with a high power density for smart grids
171	Jan Fulneček, Veleslav Mach	Verification of EMTP-ATP model for induced voltage in parallel conductors	