

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

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

Short Presentation - Electrical Networks (ROOM 400)

Guarantee: **Veleslav Mach** (VŠB - TU Ostrava, CZ), **Jan Fulneček** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
15:30 - 16:45	131	Hamed Mohammad Kazemi, Ebrahim Afjei, Ali Rahmati	A Combination of VSG and Amended Fractional-Order Repetitive Control for Improving Power Quality of Grid-Connected Inverter
	35	Tomáš Škumát, Žaneta Eleschová	Open Phase Fault Localization in a Medium Voltage Distribution Grid Using Smart Meters
	40	Mikhail Olkhovskiy, Eva Müllerová, Petr Martínek	Single-Wire Electric Power Transmission System
	57	Michal Taraba, Juraj Adamec, Matus Danko, Peter Drgona	The effect of dimming and non-dimming LED lights on the quality of the electrical grid
	98	Břetislav Stacho, Jan Veleba, Jan Dudek	Arc Flash Risk Assessment – Overview of scope and different approaches in the US and in the EU
	104	Martin Kanálik, Anastázia Margitová, Jakub Urbanský, Ľubomír Beňa	Temperature Calculation of Overhead Power Line Conductors According to the CIGRE Technical Brochure 207
114	Michal Grega, Stanislav Prieložný, Martin Jedinák, Žaneta Eleschová	Occurance of Oscillations in Transmission System of Slovakia	
16:45 - 17:15	Coffee break		

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Time	No	Authors	Title of paper
17:15 - 18:30	119	Zdenek Medvec, Richard Stránik	Motor overcurrent protection in the function of a differential protection
	120	Ž. Eleschová, J. Bendík, M. Cenký, A. Beláň, B. Cintula, P. Janiga	Impact of E-mobility on Unbalance in Low Voltage Distribution Network
	124	Matej Cenký, Jozef Bendík, Žaneta Eleschová, Anton Beláň, Boris Cintula, Peter Janiga	Probabilistic Model of Electric Vehicle Charging Demand to Distribution Network Impact Analyses
	125	Marek Höger, Marek Širanec, Juraj Altus	Power Flow Analysis of Networks with Loads of Constant Current - Constant Power Factor Type
	126	Zsolt Čonka, Michal Ivančák, Maksym Oliinyk, Dušan Medved', Michal Kolcun	The impact of a low-voltage smart grid on the distribution system
	128	Ojan M. Gorjani, Petr Bilik, Jan Vanus	Application of Optimized Deterministic Methods in Long-term Power Quality
	143	David Lazecky, Vladimír Kral, Stanislav Rusek, Zdenek Hytka	Error Ratio Evaluation of Protection Core of Selected Older Distribution Current Transformers
	150	Tomas Hala, Jiri Drapela	On stabilization of voltage in LV distribution system employing MV/LV OLTC transformer with control based on Smart Metering
	162	Stanislav Mišák, Jan Fulneček, Tomáš Vantuch, Lukáš Prokop	Towards the Character and Challenges of Partial Discharge Pattern Data Measured on Medium Voltage Overhead Lines
173	Tadeusz Sikora, Lukáš Prokop, Jan Fulneček, Tomáš Vantuch	Industrial Uninterruptible Power Supply Batteries Monitoring Augmentation by Infrared Camera	