

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

Thursday, May 16, 2019 - second day of the conference

Session Power Engineering I, II (ROOM 400)

Chairmans: **Jerzy Szkutnik** (ASUAS, PL) and **Matti Lehtonen** (Aalto University, FIN)

Guarantee: **Stanislav Mišák** (VŠB - TU Ostrava, CZ)



Time	No	Authors	Title of paper
8:00 - 9:30	7	Deepak Subedi, Matti Lehtonen	Lightning Overvoltages in Electrical Power System of a Power Plant
	45	Alexander Fedotov, Rinat Misbakhov, Evgeniy Fedotov, Kamil Bakhteev	Influence of voltage dips on the stability of excitation of synchronous machines
	46	Bohumil Skala, Vladimir Kindl, Rene Drtina, Jaroslav Lokvenc	Current Sensor with low inductance
	47	Stanislav Kocman, Stanislav Nowak	Analysis of the Stator Winding Fault of Induction Motor Using COMSOL Multiphysics
	48	Kamil Bakhteev, Alexander Fedotov, Rinat Misbakhov	The improving efficiency of electric receivers on the industrial enterprises in case of short-term power outages
	62	Girts Stana, Viesturs Brazis	Analyses of Trolleybus Recuperation Energy Utilisation Losses Considering Different Efficiency Ratios of Traction Inverter and DC/DC Converter
	69	Razvan Petrenci, Mihaela Frigura-Iliasa, Flaviu Frigura-Iliasa, Lia Dolga, Hannelore E. Filipescu, Doru Vatau	Computer based Study about the Load Regime of a 40 MVA 110/6 kV Transformer
9:30 - 10:00	Coffee break		
10:00 - 11:30	77	Vaclav Sladeczek, Libor Stepanec, Petr Chamrad, Tomas Pavelek	Laboratory model of a small hydropower plant
	78	Tobias Fuhr, Tomáš Kupka	Innovative Single Stage Isolated AC/DC Converter with Power Factor Correction
	94	Ondřej Orság, Pavel Pečínka, Stanislav Kocman, Stanislav Rusnok	Influence of Partial Anisotropy on the Nominal Values Induction Machine
	136	Krzysztof Solak, Waldemar Rebizant, Frank Mieske	Differential Protection for Converter Transformers in Three-Level Active-Front-End Large Drive Systems
	148	Zafer Ortatepe, Ahmet Karaarslan	Extended Kalman Filter Design for Model Predictive Rotor Current Controlled DFIG