

Obsah

Vít Bršlica (UO)	5
Hybrid power sources	
Josef Černohorský, Marcel Horák (TUL)	13
Vertical Climber 02 – pneumatic component control	
Peter Dúbravka (Univerzita Žilina)	17
Short circuit and their effect on the static characteristic of the switched reluctance motor	
Želmíra Ferková (TUKe)	21
Analysis of a two-phase SMPM using ANSYS/Maxwell	
Karel Chmelík (VŠB-TU)	27
Safe running electrical machine and arrangement	
Ján Kaňuch, Želmíra Ferková (TUKe)	34
Synchronous motor with permanent magnets and external rotor	
Vladimír Kindl, Roman Pechánek, Tomáš Kavalír, Bohumil Skala (ZCU)	41
Experimental measuring of magnetic resonant coupling for wireless power transfer of electrical energy	
Eva Konečná (TUL)	47
Increasing of the efficiency of electrical motors	
Jiří Kubín (TUL)	54
The problems of DC tram traction motors testing in real practice	
Václav Kús, Tereza Josefová (ZCU)	62
Effect of pulse modulation of inverters on the current harmonics	
Martin Kysela (TUL)	67
Logical input monitor and logger	
Marek Mušák (Univerzita Žilina)	72
The influence of the slant stator sockets on the operational attributes of the synchronous motor with permanent magnets	
Miroslav Novák (TUL)	77
Transformer inrush current evaluation aspects	
Roman Pechánek, Vladimír Kindl, Bohumil Skala (ZCU)	82
The parameters of inductive charging of electrical vehicles	
Adrián Peniak (Univerzita Žilina)	88
Optimize design of Switched Reluctance motor with respect to smoothing and maximize torque	
Jan Podrapský (Siemens s.r.o.)	92
Present state and trends of VN frequency convertors	
Pavol Rafajdus, Peter Dúbravka, Adrián Peniak (Univerzita Žilina)	106
Design of switched reluctance machines for electric cars	
Bohumil Skala, Roman Pechánek, Vladimír Kindl (ZCU)	112
Causes of electric motor destruction and future precaution of their damage	
Pavel Štěpán, Miroslav Novák (TUL)	118
Implementation changes of a flicker meter in accord to standard 61000-4-15 ed. 2	
Radek Vágner (HYDROHROM)	124
Small hydro Automation	