CONTENTS

Wireless Transfer of Electric Power - a Disruptive Technology - Andrei Marinescu	1
Application of the Rotor Field-Oriented Control for an Induction Motor Used in Electric Traction – Mihaela Popescu, Alexandru Bitoleanu, Constantin Vlad Suru	ç
Impact of Experimental Measurements Accuracy on Validation Process of Crimped Connections – Alin- Iulian Dolan, Constantin-Florin Ocoleanu	16
Real-Time Sensorless Control of the PMSM based on Genetic Algorithm, Sliding Mode Observer, and SCADA Integration – Claudiu-Ionel Nicola, Marcel Nicola, Maria-Cristina Niţu, Dumitru Sacerdoţianu, Ancuţa-Mihaela Aciu	24
The Choice of the Main Power Components in Electric Traction Converters – Lavinius Sorin Goreci, Mihaela Popescu, Ion Tilă	32
Optimization of Electromagnetic Devices using a RSM Enhanced ACO_R Algorithm — Anton Duca, Bianca Lamba	39
Comparative Analysis of Two Methods of Calculating the Prescribed Current in a Shunt Active Filtering System – Mihăiță Daniel Constantinescu, Mihaela Popescu, Constantin Vlad Suru	46
Automatic Ventilation and Air Conditioning System for Educational Training – Ionel Laurențiu Alboteanu, Andrei Cosmin Militaru	52
Considerations on the Disturbances Occurred in the Operation of Medium Voltage Electrical Networks with Neutral Treated by Suppression Coil – Silvia-Maria Digă, Nicolae Digă, Paul-Mihai Mircea, Ion Marin	60
Experimental Study of HBC Fuses with Aluminium Fuse Element at Minimum Rated Breaking Current, Maximum Rated Breaking Current and Transfer Current of Fuse-Switch Combination – Cristian-Eugeniu Sălceanu, Marcel Nicola, Daniel Ocoleanu, Daniela Iovan, Sorin Enache	67
Simulation of Multi-Motor Propulsion System for Energy Efficiency in Electric Vehicles – Cristian-Liviu Popescu, Laurețiu Marius Dumitran, Alexandru Stănescu	75
Ways to Determine the Structural Resource of Highly Maneuverable Aircraft – Nicolae-Alin Niculescu, Jenica-Ileana Corcău, Nicușor Cătălin Stancu	83
Two Numerical Studies for Longitudinal Movement of a Canard UAV with Vectored Thrust – Liviu Dincă, Jenica-Ileana Corcău, Dionis Cumpan	90