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041	<b>Aspects Regarding Contact Resistance Measurement</b> <i>Cosmin Nistor DEAC*</i> , <i>Maricel ADAM</i> , <i>Mihai ANDRUSCA</i> , <i>Alin DRAGOMIR</i>
124	<b>Water Exposure and Thermal Aging Effects on Dielectric Response of Liquid Silicone Rubber Insulators</b> <i>Laura ANDREI</i> , <i>Florin CIUPRINA*</i>

## 13. Informatics and Telecommunications in Power Systems

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012	<b>Software Redundancy Implementation Strategy in Reconfigurable Hardware Framework</b> <i>Razvan SINCA*</i> , <i>Csaba SZASZ</i>
063	<b>Local Monitoring / Recording and Display Device, for Power Electricity Meter using IEC 62056-21</b> <i>Florin DRAGAN*</i> , <i>Rodica HOLONEC</i> , <i>Romul COPANDEAN</i>
163	<b>Software-Defined Motor Control System in the Internet of Things Era</b> <i>Robin MOLNAR*</i> , <i>Daniel DEACONU</i>

## 14. Electricity Markets and Regulation

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049	<b>Diagnostic and Input Selection Tool Applied on Weather Variables for Studies of Short-Term Load Forecasting</b> <i>Leonardo N.F. Da SILVA*</i> , <i>Alzenira ABAIDE</i> , <i>Vinicius NEGRI</i> , <i>Marcelo CAPELETTI</i> , <i>Lucas Foggiato LOPES</i> , <i>Gabriel CARDOSO</i>
058	<b>Analysis of the Price Coupling Mechanism in the Day Ahead Electricity Markets</b> <i>Pavel ATANASOAE*</i> , <i>Radu Dumitru PENTIUC</i> , <i>Eugen HOPULELE</i> , <i>Iulian Constantin AILOAE</i> , <i>Cosmin Florin IRIMIA</i>
143	<b>Urban Energy Management from Concept to Action and Results</b> <i>Andrei CECLAN*</i>

- 144 **Monitoring the Cost of Energy for Powering the Railway Electric Traction System**  
*Alexandru POPOV, Ionel LEPADAT, Elena HELEREA\*, Vlad COJANU, Aurel FRATU*
- 152 **Analysis of the Wholesale Energy Market Price in Romania and Its Impact on the End Customer**  
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## 15. Education in Electrical and Power Engineering

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015	<b>Graduate Skills for the Power Engineering Sector: on the Match between Supply and Demand</b> <i>Anthony WARD*</i>
061	<b>Analysis of the Price Coupling Mechanism in the Day Ahead Electricity Markets</b> <i>Ioan DIODIU, Lizeta POPESCU*</i>
064	<b>Adaptive ORCAD Simulation Approach in Teaching Non Linear Devices</b> <i>Laura DARABANT*, Ovidiu A. POP, Cristina VATAVU</i>
070	<b>Implementation of an App for Android Mobile Devices Designed for Electromagnetic Field Problems Solving</b> <i>Claudia CONSTANTINESCU*, Lucia MADAS, Laura GRINDEI, Adina GIURGIUMAN</i>
095	<b>Challenges of Non-Formal Methods in Electrical Engineering Education</b> <i>Cristina VATAVU*, Laura DARABANT</i>
098	<b>Wind Farms Behaviour at Power Grid Voltage Dips</b> <i>Razvan BENIUGA*, Oana BENIUGA, Marcel ISTRATE</i>
101	<b>Lighting System of a Commercial Space in an Energy Efficiency Approach</b> <i>Georgiana MORARU*, Liviu Eduard PUNGARU, Marcel ISTRATE</i>
106	<b>A Solution for Studying the D.C. Motor Control using Ni Myrio-1900</b> <i>Gabriela RATA*, Ciprian BEJENAR, Mihai RATA</i>
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