

9.00 - 10.40	<p><b>Sesja Wykładowa I</b>  <b>Chairman: Prof. dr hab. inż. Marian Pasko, dr hab. inż. Mieczysław Ronkowski</b></p>
	<ul style="list-style-type: none"> <li>• Mariusz Barański, Wojciech Szelaąg, Cezary Jędryczka: Influence of Temperature on Partial Demagnetization of the Permanent Magnets During Starting Process of the Line Start Permanent Magnet Synchronous Motor</li> <li>• Maciej Gwoździewicz, Roberto Eduardo Quintal-Palomo: Induced Pole Permanent Magnet Synchronous Generator</li> <li>• Cezary Jędryczka, Wojciech Szelaąg: Analysis of the Multi-Drive Powered Permanent Magnet Synchronous Motor under Drive Fault Conditions</li> <li>• Piotr Bogusz, Mariusz Korkosz, Jan Prokop: The Analysis of High-Speed Multi-Pole Brushless Motor with Permanent Magnets for Hybrid Drive of Unmanned Aerial Vehicle</li> <li>• Wiesław Łyskawiński, Cezary Jedryczka, Wojciech Szelaąg: Influence of Magnet and Cage Shape on Parameters of the Line Start Synchronous Motor with Powder Hybrid Rotor</li> </ul>
11.10 - 12.50	<p><b>Sesja Wykładowa II</b>  <b>Chairman: Prof. dr hab. inż. Wojciech Szelaąg, dr hab. inż. Włodzimierz Przyborowski</b></p>
	<ul style="list-style-type: none"> <li>• Roman Niestrój, Tadeusz Białoń, Marian Pasko: Study of Adaptive Proportional Observer of State Variables of Induction Motor taking into Consideration the Generation Mode</li> <li>• Krzysztof Bieńkowski, Krzysztof Jackiewicz: The Impact of Four Phase Switched Reluctance Motor's Control Parameters on the Performance of the Drive</li> <li>• Marek Gołębiowski, Lesław Gołębiowski, Damian Mazur, Andrzej Smoleń: Autotransformer Rectifier Circuits with Parallel Connection without the Use of ITP Chokes – Review</li> <li>• Marcin Skóra: Operation of PM BLDC Motor Drives with Faulty Rotor Position Sensor</li> <li>• Tomasz Garbiec: Polyharmonic Strongly-Coupled Field-Circuit Model for Solid-Rotor Induction Machine</li> </ul>
14.30 - 15.20	<p><b>Sesja Posterowa I</b>  <b>Chairman: Prof. dr hab. inż. Zdzisław Życki, dr hab. inż. Krzysztof Pieńkowski, dr hab. inż. Jan Prokop, dr hab. inż. Mariusz Jagieła</b></p>
	<ul style="list-style-type: none"> <li>• Marek Gołębiowski, Lesław Gołębiowski, Damian Mazur, Andrzej Smoleń: Rectifier Circuits with Magnetically Non-Coupled Chokes</li> <li>• Piotr Drozdowski, Dominik Mamcarz: Controlled Passive Filtering of Currents and Voltages Supplying Induction Motor Drives</li> <li>• Grzegorz Kostro, Filip Kutt, Michał Michna, Mieczysław Ronkowski: Low Speed Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbine</li> <li>• Krzysztof Kluszczyński, Marcin Szczygieł: Study on 3-Winding System with Angular Asymmetry Part I - Current Zero-Components and 2-Axis Transformation</li> <li>• Krzysztof Kluszczyński, Marcin Szczygieł: Study on 3-Winding System with Angular Asymmetry Part II - Eigenvalues of Inductance Matrix and Transformation <math>\alpha\beta\theta</math></li> <li>• Rafał Piotuch, Ryszard Pałka: Dead-Beat Predictive Current Controller for PMSM</li> <li>• Marcin Wardach, Ryszard Pałka: Research of IPM Electrical Machine with Flux Barriers</li> <li>• Želmíra Ferková, Peter Bober: Magnetic Shield Optimization for the Multi-Motor Assembly</li> <li>• Dawid Wajnert, Bronisław Tomczuk, Dariusz Koterak: Calculation of the Magnetic Bearing Parameters</li> <li>• Piotr Bogusz, Mariusz Korkosz, Jan Prokop: The Analysis of Flux Characteristics of Dual-Channel BLDC Machine</li> <li>• Kamil Klimkowski, Mateusz Dybkowski, Szymon Antoni Bednarz: Influence of Stator and Rotor Resistances Changes to the Properties of the Fault Tolerant Vector Control of Induction Motor Drive</li> <li>• Kamil Klimkowski, Maciej Gwoździewicz, Mateusz Dybkowski: Analysis of the Vector Control Algorithm for New Concept of Permanent Magnet Synchronous Machines in Wide Speed Range</li> <li>• Marek Paweł Ciurys: Time-Stepping Finite Element Analysis of a Brushless DC Motor with PWM Speed Control</li> </ul>

15.40 - 17.30	<b>Sesja Wykładowa III</b> <b>Chairman: Prof. dr hab. inż. Ryszard Pałka, Dr hab. inż. Paweł Idziak</b>
	<ul style="list-style-type: none"> <li>• Piotr Drozdowski: Extended Circuit Oriented Models of Induction Machines for Simulink and Spice</li> <li>• Jarosław Rolek: A Methodology for Electromagnetic Parameter Estimation of an Induction Motor Equivalent Circuit Based on the Load Curve Test</li> <li>• Jarosław Tulicki, Konrad Weinreb, Maciej Sułowicz: The Possibility of Distinguishing Rotor Cage Bar Faults in Double Squirrel Cage Induction Motors on the Basis of the Stator Current Signal</li> <li>• Wojciech Burlikowski, Łukasz Kohlbrenner, Zygmunt Kowalik: Hamiltonian Model Based Control Algorithm for Electromechanical Actuator</li> <li>• Jerzy Hickiewicz: Ignacy Mościcki – chemik czy elektryk ? Refleksje z uroczystości 125-lecia Lwowskiej Szkoły Elektrotechniki</li> </ul>
17.30 - 18.20	<b>Sesja Posterowa II</b> <b>Chairman: Prof. dr hab. inż. Andrzej Bytnar, Dr hab. inż. Piotr Drozdowski, Dr hab. inż. Mieczysław Zajac</b>
	<ul style="list-style-type: none"> <li>• Dariusz Borkowski: Average-Value Model of Energy Conversion System Consisting of PMSG, Diode Bridge Rectifier and DPC-SVM Controlled Inverter</li> <li>• Tomasz Węgiel: Cogging Torque Analysis Based on Energy Approach in Surface-Mounted PM Machines</li> <li>• Jacek Listwan, Krzysztof Pieńkowski: Control of Five-Phase Induction Motor with Application of Second-Order Sliding-Mode Direct Field-Oriented Method</li> <li>• Piotr Gajewski, Krzysztof Pieńkowski: Analysis of Sliding Mode Control of Variable Speed Wind Turbine System with PMSG</li> <li>• Adam Biernat: Analysis of State of Operation of Asynchronous Motor with Beat Stator Slot Frequency</li> <li>• Wojciech Pietrowski, Konrad Górny: Wavelet Analysis of Torque at Startup of an Induction Machine Under Inter-Turn Short-Circuit</li> <li>• Tomasz Drabek, Paweł Dybowski, Jarosław Kozik, Tomasz Lerch, Waldemar Milej, Michał Rad: Commutation Torque Ripple Reduction in High-Speed Brushless DC Motor</li> <li>• Paweł Ewert: Use of Axial Flux in the Detection of Electrical Faults in Induction Motors</li> <li>• Henryk Banach: Voltage Regulation in Small Transformers</li> <li>• Jarosław Domin, Łukasz Kutyna: Monitoring Acceleration Process of Missile in the Hybrid Electromagnetic Launcher with Use of FPGA Module</li> <li>• Krzysztof Ludwinek: A Simple Way of Determining of Stator-to-Field Winding Mutual Inductance Functions of a Salient Pole Synchronous Generator</li> <li>• Zbigniew Goryca, Sebastian Różowicz: Design and Tests of Generators for Micro Hydro Plants</li> </ul>

**Wtorek 20.06.2017**

9.00 - 10.40	<b>Sesja Wykładowa IV</b> <b>Chairman: Prof. dr hab. inż. Tadeusz Glinka, Dr hab. inż. Jan Zawilak</b>
	<ul style="list-style-type: none"> <li>• Jose Gregorio Ferreira, Adam Warzecha: An Application of Machine Learning Approach to Fault Detection of Synchronous Machine</li> <li>• Natalia Radwan-Pragłowska, Dariusz Borkowski, Tomasz Węgiel: Model of Coreless Axial Flux Permanent Magnet Generator</li> <li>• Mieczysław Zajac, Maciej Sułowicz: Detection of Coil Shorting in an Induction Motor by Means of Wavelet Detectors Based on Orthogonal Legendre Polynomials</li> <li>• Mariusz Jagieła, Marcin Kulik: Chaotic Behavior of New Nonlinear Electromagnetic Microgenerator Harvesting Energy from Mechanical Vibrations</li> <li>• Agnieszka Banach, Witold Mazgaj, Zbigniew Szular: Textures of Dynamo Steel Sheets</li> </ul>