

Poniedziałek 19.06.2017

9.00 - 10.40	Sesja wykładowa I
	<ul style="list-style-type: none"> • Mariusz Barański, Wojciech Szelaż, Cezary Jędrzycka: Influence of temperature on partial demagnetization of the permanent magnets during starting process of the Line Start Permanent Magnet Synchronous Motor • Maciej Gwoździwicz, Roberto Eduardo Quintal-Palomo: Induced pole permanent magnet synchronous generator • Cezary Jędrzycka, Wojciech Szelaż: Analysis of the multi-drive powered permanent magnet synchronous motor under drive fault conditions • 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 • Wiesław Łyskawiński, Cezary Jędrzycka, Wojciech Szelaż: Influence of magnet and cage shape on parameters of the line start synchronous motor with powder hybrid rotor
11.10 - 12.50	Sesja wykładowa II
	<ul style="list-style-type: none"> • Roman Niestrój, Tadeusz Białoń, Marian Pasko, Jarosław Michalak: Study of adaptive proportional observer of state variables of induction motor taking into consideration the generation mode • Krzysztof Bieńkowski, Krzysztof Jackiewicz: The Impact of Four Phase Switched Reluctance Motor's Control Parameters on the Performance of the Drive • Marek Gołębiowski, Lesław Gołębiowski, Damian Mazur, Andrzej Smoleń: Autotransformer rectifier circuits with parallel connection without the use of ITP chokes – review • Marcin Skóra: Operation of PM BLDC Motor Drives with Faulty Rotor Position Sensor • Tomasz Garbiec: Polyharmonic Strongly-Coupled Field-Circuit Model for Solid-Rotor Induction Machine
14.30 - 15.20	Sesja posterowa I
	<ul style="list-style-type: none"> • Marek Gołębiowski, Lesław Gołębiowski, Damian Mazur, Andrzej Smoleń: Rectifier circuits with magnetically non-coupled chokes • Piotr Drozdowski, Dominik Mamcarz: Controlled Passive Filtering of Currents and Voltages Supplying Induction Motor Drives • Grzegorz Kostro, Filip Kutt, Michał Michna, Mieczysław Ronkowski: Low Speed Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbine • Krzysztof Kluszczynski, Marcin Szczygieł: Study on 3-winding system with angular asymmetry part I - Current zero-components and 2-axis transformation • Krzysztof Kluszczynski, Marcin Szczygieł: Study on 3-winding system with angular asymmetry part II - Eigenvalues of inductance matrix and transformation $\alpha\beta 0$ • Tomasz Makowski, Krzysztof Kluszczynski: Dynamic model of hybrid electromagnetic launcher for simulations in LabVIEW environment • Rafał Piotuch, Ryszard Pałka: Dead-Beat predictive current controller for PMSM • Marcin Wardach, Ryszard Pałka: Research of IPM Electrical Machine with Flux Barriers • Želmíra Ferková, Peter Bober: Magnetic Shield Optimization for the Multi-motor Assembly • Dawid Wajnert, Bronisław Tomczuk, Dariusz Koteras: Calculation of the Magnetic Bearing Parameters • Piotr Bogusz, Mariusz Korkosz, Jan Prokop: The analysis of flux characteristics of dual-channel BLDC machine • 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 • Kamil Klimkowski, Maciej Gwoździwicz, Mateusz Dybkowski: Analysis of the Vector Control Algorithm for New Concept of Permanent Magnet Synchronous Machines in Wide Speed Range

	<ul style="list-style-type: none"> • Marek Paweł Ciurys: Time-stepping finite element analysis of a brushless DC motor with PWM speed control
15.40 - 17.00	Sesja wykładowa III
	<ul style="list-style-type: none"> • Piotr Drozdowski: Extended Circuit Oriented Models of Induction Machines for Simulink and Spice • Jarosław Rolek: A methodology for electromagnetic parameter estimation of an induction motor equivalent circuit based on the load curve test • 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 • Wojciech Burlikowski, Łukasz Kohlbrenner, Zygmunt Kowalik: Hamiltonian Model Based Control Algorithm for Electromechanical Actuator
17.10 - 18.30	Sesja posterowa II
	<ul style="list-style-type: none"> • Dariusz Borkowski: Average-value model of energy conversion system consisting of PMSG, diode bridge rectifier and DPC-SVM controlled inverter • Tomasz Węgiel: Cogging torque analysis based on energy approach in surface-mounted PM machines • Jacek Listwan, Krzysztof Pieńkowski: Control of Five-Phase Induction Motor with Application of Second-Order Sliding-Mode Direct Field-Oriented Method • Piotr Gajewski, Krzysztof Pieńkowski: Analysis of Sliding Mode Control of Variable Speed Wind Turbine System with PMSG • Adam Biernat: Analysis of State of Operation of Asynchronous Motor with Beat Stator Slot Frequency • Wojciech Pietrowski, Konrad Górny: Wavelet analysis of torque at startup of an induction machine under inter-turn short-circuit • Tomasz Drabek, Paweł Dybowski, Jarosław Kozik, Tomasz Lerch, Waldemar Milej, Michał Rad: Commutation Torque Ripple Reduction in High-speed Brushless DC Motor • Paweł Ewert: Use of Axial Flux in the Detection of Electrical Faults in Induction Motors • Henryk Banach: Voltage Regulation in Small Transformers • Jarosław Domin, Łukasz Kutyna: Monitoring acceleration process of missile in the hybrid electromagnetic launcher with use of FPGA module • Krzysztof Ludwinek: A Simple Way of Determining of Stator-to-Field Winding Mutual Inductance Functions of a Salient Pole Synchronous Generator • Zbigniew Goryca, Sebastian Różowicz: Design and tests of generators for micro hydro plants • Krzysztof Kolano: Lift door follow-up drive system with a PMSM motor • Karol Fatyga, Dariusz Zieliński: Comparison of main control strategies for DC/DC stage of bidirectional vehicle charger

Wtorek 20.06.2017

9.00 - 10.40	Sesja wykładowa IV
	<ul style="list-style-type: none"> • Jose Gregorio Ferreira, Adam Warzecha: An application of machine learning approach to fault detection of synchronous machine • Natalia Radwan-Pragłowska, Dariusz Borkowski, Tomasz Węgiel: Model of Coreless Axial Flux Permanent Magnet Generator • Mieczysław Zając, Maciej Sułowicz: Detection of coil shorting in an induction motor by means of wavelet detectors based on orthogonal Legendre polynomials • Mariusz Jagieła, Marcin Kulik: Chaotic behavior of new nonlinear electromagnetic microgenerator harvesting energy from mechanical vibrations • Agnieszka Banach, Witold Mazgaj, Zbigniew Szular: Textures of dynamo steel sheets