IIPhDW2014, May 21, 2014			I²PhDW'14
Room A			
Oral Session 1			
Chairmen: Jan Sikora, Jozef Sláma			
14:00	**14:30**	**Micro- and nanoscale evaluation of the materials deterioration. Towards faster and cheaper tests and development of the materials for electrical applications**	**Sikora A.**
14:30	14:50	An Integrated Multidisciplinary Approach to Nanomaterials for Environmental Applications	Tkáčová Z.
14:50	15:10	Semi-automatic application for skin cancer presentation: screening based on image segmentation algorithms	Osior K.
15:10	15:30	Experimental Hybrid Energy System – Actual Progress	Moravek J., Mastny P.
15:30	15:50	UV degradation of polysilane films for nanotechnology	Tkáčová M., Schauer F.
15:50	**16:20**	**Coffee Break**	
Oral Session 2			
16:20	16:40	Fibre Bragg gratings sensors in content of wooden constructions monitoring	Korenko B., Včelák J.
16:40	17:00	Expert system for identification of reinforcement concrete structures parameters	Frankowski P. K.
17:00	17:20	Fan Speed Control In FPGA Boards	Daboul M., Nouman Z.
17:20	17:40	Modification of TCP SYN flood (DoS) attack detection algorithm	Halagan T., Kováčik T.
17:40	18:00	Spectroscopic ellipsometer as a biosensor based on SPR	Bombarová K., Sohová M., Chlpík J., Hianík T., Cirák J.
18:00	**19:00**	**Poster Session EEE, OZE, CPS**	
19:00		**Banquet**	

IIPhDW2014, May 22, 2014			I²PhDW'14
Room A			
08:30	**10:00**	**Poster Session 1**	
P-01		The Outage EHV Cables Set Influence to Magnetic Flux Density Curve of EHV Cable Line	Belatka M.
P-02		Reactive Power Control Strategies in Term of Voltage Control by Distributed Generation	Bernath F., Mastny P.
P-03		Concept and economic efficiency analysis for the alternative energy supply at the example of a reference building	Ferati S.
P-04		Two phase gas-liquid flows recognition using fuzzy inference	Fiderek P., Wajman R., Kucharski J.
P-05		Implementation genetic algorithms to image segmentation and tomography reconstruction	Filipowski P.
P-06		Searching for Optimal Parameters of Interstitial Microwave Hyperthermia using Multi-Slot Coaxial Antenna working at Different Frequencies	Gas P.
P-07		Electronic diode bridge for high current bipolar electronic loads	Chytil J.
P-08		Polyaniline-based materials as a conducting filler in polymer composites	Kolasinska E., Mazurek B.
P-09		Detection and identification of microorganism's fingerprint in near infrared spectrum	Krepelka P., Pérez-Rodríguez F., Bartusek K.
P-10		Analysis of using the LED-based products in conventional luminaires	Lipnický L., Dubnička R., Barčík M., Grinaj L., Rusnák A., Gašparovský D.
P-11		Parallel data acquisition from multiple sources using Big Data Cluster	Midzio M.
P-12		Control and monitoring of production process in biogas digester	Niderla K.
P-13		The system containing renewable energy sources for electric vehicle charging	Biernat K.
P-14		Applications of superconducting SQUID sensors	Motyčák Š.
10:30	**11:00**	**Coffee Break**	

11:00	**12:30**	**Poster Session 2**	
P-15		Design and implementation of data acquisition system in electrical impedance tomography	Olchowy D., Gołąbek Ł.
P-16		Electromagnetic and thermal 3D-FEM models of high frequency transformer for traction applications	Parchomiuk M.
P-17		Influence of ambient temperature on the basic parameters of the battery	Rudnicki T.
P-18		Monitoring of flood embankment system by electrical impedance tomography	Rymarczyk T., Rymarczyk P., Sikora J.
P-19		Selection Methods to Analysis Medical Images of Thorax	Rymarczyk T., Sadowski T., Głos A.
P-20		Image processing algorithms in infrared non-destructive testing of composite materials	Szymanik B.
P-21		Coupling of boundary element method of zero order and infinite boundary elements with exponential decay function	Tchórzewski P.
P-22		Semantic medical image analysis using ontologies	Trubiłowicz P.
P-23		The electrical characteristics of a catenary system in electric rail vehicles, the calculation of traction load and short – circuit currents	Kruczek W.
P-24		Photovoltaic solar module distribution in power plant system using Monte Carlo methods	Zawistowski M., Wójtowicz S.
12:30	**12:40**	**Short Break**	
12:40	**13:00**	**Closing Session**	