

Poster Session Program

Day 3: Friday, the 21 th of July, 2017			
15:00-16:15	Central Building (Rectorate), The lobby from the front of Blue Hall (Senate Room)		
Poster Session and Awards' Competition			
	Autors	Affiliation	Poster Title
1	Silvia Hilt ¹ , Tang Tang ¹ , Tatu Rojalin ^{1,2} , Madhu Budamagunta ¹ , Izumi Maezawa ¹ , Sebastian Wachsmann-Hogiu ¹ , Tapani Viitala ² , Jeff Whalton ¹ , Angelique Louie ¹ , and John C. Voss ¹	¹ University of California Davis, USA, ² University of Helsinki, Finland	A Lanthanide Free, Iron Free, Spin Labeled Fluorene (SLF) Novel Compound Produces Large Contrast in T2*-Weighted MRI of an in vitro AD Mouse Model Brain Specimen
2	Ana-Maria Mihailescu, Adina Liana Raducan	Faculty of Chemistry, University Politehnica of Bucharest	Degradation kinetics of ascorbic acid in home-made juices
3	Iaseniuc Oxana, M. S. Iovu	Institute of Applied Physics, Academy of Sciences of Moldova	Lux-ampere Characteristics Of Amorphous (As ₄ S ₃ Se ₃) _{1-x} Sn _x Thin Films
4	Rolanda Gott, C. Shoff, A. Mehanovic, S. Shelby, S. Nibras, S. Grover, and H. Matsuo.	Saint Louis University, Saint Louis, MO	Risk Factors for Autism Spectrum Disorder and Intellectual Disability
5	Ivan Roxana	Politehnica University of Timisoara	Estimation methodologies for national greenhouse gas emission projections
6	Petru Palade ¹ , Carmen Plapcianu ^{1*} , Ionel Mercioniu ¹ , Cezar Comanescu ¹ , Gabriel Schinteie ¹ , Aurel Leca ¹ , Ruxandra Vidu ²	¹ National Institute of Materials Physics, Magurele, Romania; ² University of California, 3123 Bainer Hall, Davis, CA 95616, USA	Ordered iron nitride with martensitic structure synthesized from amorphous hematite via microwave route: structural, magnetic and Mössbauer investigation
7	Mircea Cristian Pantilimon, Ionela Claudia Dragan, Stefan Catalin Gradinaru	University Politehnica of Bucharest	Electrospinning of organic nanowires and structural influence of solvents and polymers
8	Rihab Ben Ayed, Mejda Ajili and Najoua Kamoun Turki	Faculté des Sciences de Tunis	Aluminum doping effect on the structural and optical properties of Fe ₂ O ₃ thin films
9	Nenad Jovanović	Faculty of Electrical Engineering, University of Craiova	Experimental rig for simulation of the fuel system on a small aircraft
10	Costinel Laurentiu Corcau, Teodor Lucian Grigorie	Faculty of Electrical Engineering, University of Craiova	ANFIS based algorithm for the prediction of low rate GPS data in an INS/GPS integrated navigator
11	Georgiana Doina Oprea	Faculty of Electrical Engineering, University of Craiova	About the quaternionic evaluation of an aircraft attitude: a numerical simulated algorithm

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12	Vlad Vaduvescu	Faculty of Electrical Engineering, University of Craiova	Experimental model of an aircraft fuel management system based on a PIC microcontroller
13	Artur Cretu	Faculty of Electrical Engineering, University of Craiova	Manufacturing and experimental testing of a solar powered UAV
14	Marcel Vasilică Bidea	Faculty of Electrical Engineering, University of Craiova	Redundant gyro clusters based on Kalman filtering data fusion
15	Ștefan-Daniel Panait	Faculty of Electrical Engineering, University of Craiova	Numerical simulation of an error model for a strap-down inertial navigation system
16	Radu Mihai Balaure	Faculty of Electrical Engineering, University of Craiova	Redundant accelerometric arrays based on minimum variance data fusion
17	Alexandru Valentin Faget	Faculty of Electrical Engineering, University of Craiova	Modeling and analyze of an energy system for UAVs
18	Otilia Grigorie	Faculty of Geography, University of Bucharest	New integrated teaching methods for interdisciplinary modules
19	Iulia Mircea, Mihaela Balanescu	Politehnica Unifersity of Timisoara, University POLITEHNICA of Bucharest	National GHG Emissions Projections from Industrial Processes - Metal Industry
20	Matei Lordos	Politehnica Unifersity of Timisoara	Novel proposal for an on line and in real time air quality monitoring gadget
21	Oana Falup	Politehnica Unifersity of Timisoara	Air Quality and Polluants Emissions and Projections at National and Local Level
22	Favier Lidia ¹ , Simion Andrei Ionut ² , Rusu Lacramioara ² , Vidu Ruxandra ^{3,4}	¹ Ecole Nationale Supérieure de Chimie de Rennes, University of Rennes 1, CNRS, UMR 6226, France; ² "Vasile Alecsandri" University of Bacău; ³ University of California Davis, USA; ⁴ Politehnica University of Bucharest, Romania	Does the refractory organic molecules can be efficiently removed from aqueous solutions by advanced oxidation processes?
23	Emanuel Dumitru	Faculty of Electrical Engineering, University of Craiova	Inner compression air inlet for three-sonic aircraft
24	Stancu Catalin	Flight Research and Test Center Craiova	Flight test for altitude and speed transducers certification
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25	Teodor Lucian Grigorie, Ruxandra Botez, M. J. Tchatchuneg Kammegne, , M. Mamou, Y. Mebarki	Ecole de Technologie Superieure, Montreal, Canada	Experiments on a Real Aircraft Morphing Wing

28	Daniela Enciu, Dragos Daniel Ion Guta, George Tecuceanu, Mihai Tudose, Ioan Ursu, INCAS	Piezo active sensors and piezo actuators for space and aerospace applications	Smart structures
29	Ioana Ionel, Ramon Mihai Balogh, Sabin Ionel,	Politehnica University of Timisoara, Romania	Traian Lalescu, Fiu al Craiovei si rector al Scolii Politehnice Timisoara
30	Ruxandra Vidu ^{1,2*} , Lidia Flavier ² , Pieter Stroeve ¹ , Andra Predescu ³ , Ecaterina Matei ³ , Andrei Berbecaru ³ , Claudia Dragan ³ , Cristian Predescu ³	¹ University of California, Davis, USA; ² University of Rennes, France; ³ University "Politehnica" of Bucharest, Romania	Template Synthesis of AB ₃ Compound Nanowires for High-Temperature Thermoelectric Materials
31	Petru Palade ¹ , Carmen Plapcianu ¹ , Ionel Mercioniu ¹ , Cezar Comanescu ¹ , Gabriel Schinteie ¹ , Aurel Leca ¹ , Ruxandra Vidu ²	¹ National Institute of Materials Physics, 405A Atomistilor Str., P O. Box MG-7, 077125, Magurele, Ilfov Romania, ² University of California Davis, CA 95616, USA	Ordered Iron Nitride With Martensitic Structure Synthesized From Amorphous Hematite Via Microwave Route: Structural, Magnetic And Mössbauer Investigation
32	Mirela Mihai ¹ , Vladimir Tanasiev ¹ and Ruxandra Vidu ²	¹ University Politehnica of Bucharest, ² University of California Davis, California, USA	Self-Sustaining and Energy Efficient Buildings in Residential Area
33	Olfa Kamoun ^a , S. Alleg ^b , M. Amlouk ^a	^a Unité de physique des dispositifs à semi-conducteurs, Faculté des sciences de Tunis. Université de Tunis El Manar, Tunisia; ^b Laboratoire de Magnétisme et Spectroscopie des Solides, Département de Physique, Université de Annaba B.P. 12, Annaba 23000, Algeria.	Structural, Optical and Magnetic Properties of Co-Mn codoped ZnO sprayed thin Films
34	Maher Tlili, Neila Jebbari, Najoua Kamoun	Laboratoire de Physique de la Matière condensée, Faculté des Sciences de Tunis, Tunis El Manar 2092, Tunisia.	Effet du précurseur sur la cristallinité d'oxyde de magnésium préparé par la technique de pulvérisation chimique
35	A. Jrad ^{1,2} , T. Ben Nasr ¹ , S. Ammar ² , N. Turki-Kamoun ¹	¹ LPMC (LR99ES13), Faculté des Sciences de Tunis, Université Tunis El Manar, Tunis 2092, Tunisie; ² ITODYS (CNRS UMR-7086), Université Paris Diderot, Sorbonne Paris Cité, Paris 75013, France.	Optical and electrical properties of ZnS:Cu alloys prepared by chemical bath deposition