

The 7th International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING 2011

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Full Program

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Thursday, 12 May 2011

10:00-15:00	Registration and Orientation (Hall EA - first floor)	
15:30-15:40	Welcome to ATEE 2011 Conference (EA002) <i>Chair:</i> Dean Claudia POPESCU	
15:40-17:10	Electromagnetic Fields & Numerical Methods (EA004) <i>Chair:</i> Lucien Dăscălescu, Ioan Florea Hantila <i>Wheat Seeds Separation In The High-intensity Electric Field</i> Tiberiu Butunoi; Gabriela Buda; Cristian Dragos; Adrian Samuila; Vasile Neamtu; Roman Morar; Lucian Dascalescu; Alexandru Iuga <i>Analysis Of Coupled Oscillators By State Variables</i> Mihai Iordache; Lucia Dumitriu; J.M Paillot; Iulia Dumitrescu; David Cordeau <i>Magnetic Experimental Investigation Of Ferrite Nanoparticles Used In Hybrid Biomaterials</i> Valentin Ionita; Cristina Covaliu <i>Dependence Of Simulated Ect Signal On Defect Conductivity</i> Mihai Iulian Rebican <i>Efficient Modeling Of Homogenous Layers In High Frequency Integrated Circuits</i> Gabriela Ciuprina; Daniel Ioan <i>Considerations On The Simulation Models Of Ac Plunger -type Magnets</i> Ioana-Gabriela Sirbu; Mihai Iordache; Lucian Mandache	
15:40-16:10	EA002	EC103
	Electrical machines with copper-casted caged rotors - Invited Lecture, Dl. Ing. Peter Szilagyi, Kienle & Spiess Tokod Ungaria <i>Chair:</i> Mihai Popescu, Alexandru Morega Invited lecture	Original Methods and Technique in Complementary and Alternative Medicine - Invited Lecture, Corneliu Moldovan, MD <i>Chair:</i> Sonia Herman, Alexandru D.Corlan

16:10-17:10	Engineering in Medicine and Biology - I (EC103)		
	<i>Chair:</i> Eugen Gheorghiu, Corneliu Bălan		
	<i>Improved Fetal Ecg Extraction By Applying Adaptive Filtering</i>		
	G. Mihaela Ungureanu; Ana Maria Ilincai; Wener Wolf; Ilinca Gussi; Dragos D. Taralunga; Rodica Strungaru		
	<i>Thoracic Mapping Of The Nonlinear Electrical Activity Of The Heart</i>		
	Alin Alexandru Dobre; Alexandru M. Morega; Mihaela Morega; Corina Mihaela Ipate		
	<i>Towards An Advanced Magneto-plasmonic Sensing Platform</i>		
	Sorin David; Eugen Gheorghiu		
	<i>Viscosity Function Of Materials Characterized By Steady Non-monotonous Flow Curve</i>		
	Daniela Coblas; Diana Broboana; Corneliu Balan		
16:10-16:40	Permanent magnet electrical machines - Invited lecture, "Dr. Braun" Institut fur Electrotechnik, Germany (EA002)		
	<i>Chair:</i> Mihai Popescu, Alexandru Morega		
	Invited lecture		
16:40-17:10	Electrical Machines and Drives (EA002)		
	<i>Chair:</i> Mihai Popescu, Alexandru Morega		
	Plenary Session		
	<i>Numerical Modeling Of A Small Power High Speed Induction Motor</i>		
	Mircea Modreanu; Nicolae Ivan; Tiberiu Tudorache		
	<i>Uncertainty Analysis In The Evaluation Of Pmsm End-winding Inductance</i>		
	Tiberiu Tudorache; Ovidiu Craiu; Alina Machedon; Mihaela Morega; Mihail Popescu		
17:10-17:30	Coffee break (Hall EA)		
17:30-19:00	EA002	EC103	EA004
	Electrical Machines and Drives - II	Engineering in Medicine and Biology - II	Materials for Electrotechnics
	<i>Chair:</i> Alexandru Bitoleanu, Constantin Ghiță	<i>Chair:</i> Sever Pasca, Dan Zaharia	<i>Chair:</i> Elena Helerea, Valentin Ionita
	<i>Linearization Of Eolian Synchronous Generator With Conical Rotor</i>	<i>Ecg Pattern Analysis For High Sampling Rate Acquisition</i>	<i>Time Spectroscopy Method For Assessment Of Oil Impregnated Paper Condition</i>
	Constantin Ghita; Ion Trifu	Anatolie Boev; Marcel Stanciu	Laurentiu Badicu; Bogdan Gorgan; Laurentiu Dumitran; Petru Notingher; Dorin Popa
	<i>Standard For Frequency Characteristics measurement At Power Transformers</i>	<i>Emotion Detection Using Psycho-physiological Signal Processing</i>	<i>Structural And Electrical Properties Of Yttrium-doped</i>
	Andrei Marinescu; Ionel Dumbrava	Ioana Safta; Ovidiu Grigore; Constantin	
	<i>Permanent Magnet Brushless Machine For A Hybrid Electric Scooter</i>		
	Paul Minciunescu; Relu		

Balaban; Corina Minciunescu; Mihaela Chefneux <i>Eolian Synchronous Generator With Conical Rotor</i> Constantin Ghita; Ion Trifu <i>Simulation Of Dynamic Behaviors Of Induction Motor</i> Mihai Iordache; Lucia Dumitriu; Ileana Calomfirescu; Dragos Niculae; Mihai Dogaru <i>Ecological Transportation System Based On Light Electric Vehicles</i> Grigore Danciu; Mihaela Chefneux; Liviu Kreindler; Virgil Racicovschi	Căruntu <i>Reading Detection Based On Eeg Signal Analysis</i> Bogdan Florin Florea; Ovidiu Grigore <i>Techniques For Analysing The Variance Of The Heart Rhythm Within The Time-frequency Area</i> Cosmin Karl Banica; George Seritan <i>Optimisation Of The Treatment For Chronic Disease Using An E-health Sistem</i> Radu Ciorap; Calin Corciova; Mariana Ciorap; Dan Zaharia <i>Microwaves And Infrared Thermography - Comparative Studies In Early Breast Cancer Detection</i> Silvana Ojica; Octavian Baltag	<i>Ceria Ceramic Compositese</i> Ana-Maria Ionascu; Petru Notingher; Ionel Mercinoiu; Nicoletta Popescu- Pogrion <i>Protection Of High And Extra High Voltage Cables</i> Detlef Wald <i>State Of The Art Xlpe Compounds For Energy Cables And Recent Developments</i> Andrzej Urbanczyk <i>Dc And Ac Conductivity Of Ldpe Nanocomposites</i> Florin Ciuprina; Ilona Plesa <i>Water Trees Influence On Polyethylene Insulated Power Cables Dielectric Proprieties</i> Marius Gabriel Plopeanu; Petru Notingher; Cristina Stancu; Sorin Grigorescu
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19:00-21:00 **Get together party** (Restaurant "Leu" - UPB)

Friday, 13 May 2011

8:30-9:30 **POSTER SESSION - ATEE 2011 1** (Hall EA, Hall-EA-ME)

Chair: Alexandru Sălceanu, Ioan Daniel

Modifications Analysis Of Substance Property For Aged Materials

Marilena Stanculescu; Ioan Florea Hantila

Modelling Of The Magnetisation Process Based On The Landau-lifshitz-gilbert Equation

Vasile Daniel Dan; Emilia-Simona Malureanu

[*Parallel Algorithms For The Efficient Extraction Of Fitting Based Reduced Order Models*](#)

Ioan-Alexandru Lazar; Mihail-Iulian Andrei; Valeria Emanuela Caciulan; Gabriela Ciuprina; Daniel Ioan

[*Stabilization Method For A Numerical Model Of A Shunt Active Power Filter*](#)

Dan Olaru

[*Supercapacitors Use As An Energy Source To Drive The Short Urban Electric Vehicles*](#)

Catalin Goia; Luiza Popa; Claudia Popescu; Mihai Octavian Popescu

[*Mixed Mode Verification Of Plc Based Control Systems*](#)

Cristian Gyoza Haba; Voinea Radu Cociu; Livia Cociu

[*Magnetic Coupling Analysis In Wireless Transfer Energy*](#)

Dragos Niculae; Mihai Iordache; Lucia Dumitriu

[*Considerations About The Using Of Cadence Software For Simulation Issues Of Electrostatic Phenomena*](#)

Ana-Maria Nicuta; Paul Bicleanu

[*Considerations About The Influence Of Some Factors Related To The Geometric Characteristics Of Inclusions On Effective Permittivity Of Dielectric Mixtures*](#)

Rodica Cret; Laura Darabant; Cristian Farcas; Antoniu Turcu

[*Enhancing Reliability For Medium Voltage Underground Power Lines*](#)

Elena-Larisa Mariut; Elena Helerea

[*Identification Of Numerical Preisach Model By Separating Variables*](#)

Octavian Adrian Tabara

[*Lifetime Estimation Of Composite Insulations By Absorption/ Esorption Currents Method*](#)

Stefan Busoi; Petru Notingher; Laurentiu Dumitran

[*The Behaviour Of An Eva Compound Used For I&c Cable Jacket And The Influences On His Lifetime*](#)

G. Mares; R. Setnescu; Catalin Rusu-Zagar; Simona Pasareanu; Tanta Setnescu

[*Studies Concerning The Fast Ageing By Thermal Cycling Of Power Cables*](#)

Iosif Lingvay; Cristina STANCU; Petru BUDRUGEAC; Andrei CUCOS; Carmen LINGVAY

[*Designing The Control Of An Electrical Drive Using Petri Nets*](#)

Valentin Navrapescu; Mircea Popescu; Ioan Dragos Deaconu; Aurel Chirila

[*Experimental Determination Of Moment To Inertia And Mechanical Losses Vs. Speed, In Electrical Machines*](#)

Ion Daniel Ilina

[*Expert System For Diagnosis Of Electrical Equipment. Case Study !\[\]\(48cf84d8157a754da58e8a3401c365d0_img.jpg\) !\[\]\(82ede830e4f6490f9e3b344414cdbb59_img.jpg\)*](#)
[*Generator Excitation System*](#)

Magdalena Vlad; Razvan Ioan Popovici; Claudia Laurenta Popescu; Mihai Octavian Popescu

[*Extending The Use Of Park Transform To Special Cases*](#)

Livia Cociu; Cristian Gyoza Haba; Voinea Radu Cociu
On Asynchronous Motor Transient For Sudden Modification Of The Load Torque

Voinea Radu Cociu; Livia Cociu; Cristian Gyoza Haba
Possibility For Analysis Of The Reluctance Synchronous Motors Dynamic Stability

Sorin Enache; Aurel Campeanu; Ion Vlad; Monica-Adela Enache
A New Cost Effective Solution For Control Of Electrical Actuators

Iulia Cristina Stika; Aurelian Sarca; Alecsandru Neacsu
Advanced Motor Control Development Platforms

Iulia Cristina Stika; Dragos Matianu; Liviu Kreindler
The Innovative Solutions For The Operations To Extracting And Introducing The Ferromagnetic Cores Of Stator Of The Low Power Asynchronous Motors Equipped With Single Demountable Bearing Shield

Daniel Necula; Nicolae Vasile; Mihail-Florin Stan
Comparison Of Five-level Converters: Features And Control

Lucian Parvulescu; Dan Floricau; Mircea Covrig
On The Hrv Signal Modification Of The Ecg Signal Under The Influence Of Exposure To Electromagnetic Fields

Narcis Iulian Adochiei; Ioan Tudosa; Adochiei Felix-Constantin
The Variability Of The Intercellular Conductance In Uences Early Repolarization Potentials In A Model Of The Myocardial Tissue With Stochastic Architecture.

Alexandru-Dan Corlan; Bogdan Amuzescu; Ivan Milcin; Vlad Iordachescu; Elena Poenaru

Thermovision Lubrication Monitoring System For A Mechanical Expander

Tudor Macrea; Costin Cepisca; Dorian Macrea
Software Applications Designed To Optimize The Voltage Drops Of The Low Voltage Electric Power Supply Installations

Cristina-Gabriela Saracin; Marin Saracin
Virtual Instruments (vis) For Study Of Asynchronous Motor Functional Characteristics

Gheorghe Eugen Subtirelu; Mircea Dobriceanu

10:00-11:00 **POSTER SESSION - ATEE 2011 2** (HALL EA, Hall EA-ME)

Chair: Liviu Kreindler, Petru V. Notingher

Combined Methods For Solving Inductive Coupling Problems

Denisa Stet; Dan Doru Micu; Camelia Avram; Laura Darabant

Effects Of Shielding In Electrical Subway

Monica Cucu; Mihai Octavian Popescu; Claudia Laurenta Popescu

Abnormal Posture Detection Device With Audible Feedback

Octavian Dogarescu; Server Pasca

Analysis Of Electromyography Records During Voluntary Contraction And The Identification Of Specific Characteristics Of Muscular Activity

Mihaela Corina Ipate

Hemodynamic Monitoring Using Peripheral Impedance

Plethysmography

Calin Corciova; Radu Ciorap; Dan Zaharia; Dana Matei

Model For Left Ventricular Contractility Related To Time-varying Elastance Based On Echocardiographic Measurements

Vasile Manoliu; Cristina Maria Stanescu

Numerical Analysis Of The Electric Field Distribution And Temperature Changes Around Carotid Stents

Dan Rafiroiu; Radu Ciupa; Adrian Iancu; Alexandra Lazar; Ion Tiseanu

A Statistical Analysis Of Intoxications With Hallucinogenic Effect Substances

Alexandru Mihnea Spiridonica; Iulian Stoleriu

Adaptive Stimulation Algorithm Used In Computer Assisted Auditory Education

Valentin Velican; Ovidiu Grigore

Determination Of Microwave Generators' Performance For Medical Applications

Vasile Surducan; Emanoil Surducan; Radu Ciupa; Camelia Neamtu

Remote Monitoring Ecg Signals System

Ana-Maria Paraschiv; Costin Cepisca; Cosmin Karl Banica; Andreea Catalina Enache

System For Remote Patient Monitoring And Data Collection With Applicability On E-health Applications

Lucian Nita; Mihai Cretu; Anamaria Hariton

The Method Of Dimensional Analysis Using Similitude Theory Applied For Modeling Of Fluid Flow In Microchannels

Elena-Rita Avram; Eden Mamut; Laurentiu Oancea; Camelia Băcu

Wireless Ecg Monitoring And Alarm System For Home Using Zigbee

Ovidiu Apostu; Bogdan Hagi; Sever Pasca

An Undergraduate Programme In Medical Equipment And Systems

Alexandru Morega; Sever Pasca; Alina Machedon

Bioengineering Education In Iași: 17 Years Of Experience

Radu Ciorap; Dan Zaharia; Florin Toploiceanu; Hariton Costin

Comparative Analysis Of Co-generation Structures Comprising Suplimentary Systems With Renewable Energy Sources

Ion Voncila

Wing Oscillating Wind System

Tudor Isoc; Florina Leach; Crina Bobean; Valentina Pavel; Ioan Vadan

Yield Loss Of Photovoltaic Panels Caused By Depositions

Loredana Dorobantu; Mihai Octavian Popescu; Claudia Popescu

Experiments And Measurements - The Magnitude Of Magnetic Moments

George-Florian Popa; Brandusa Pantelimon

Temperature Influence On Magnetic Characteristics Of Ndfeb Permanent Magnets

Marius-Daniel Calin; Elena Helerea

The Evolution Of The Acceleration Factor To Reliability Tests

Ovidiu-Nicolae Nica

Rwct Implementation In Electrical Engineering

Suzana Carmen Cizmas

Leadership Patterns Enhanced By E-activities

Suzana Carmen Cizmas

Programmable Logic Controllers Used In Electric Drives Of An Intelligent Building

Cristina-Gabriela Saracin; Marin Saracin; Marin Lupu

Non-intrusive Measurement Of Induction Systems Active Power Through The Proximate Electromagnetic Field

Marcel Stamate; Petrica Taras; Virgiliu Fireteanu

Programmable Logic Controllers Used In Colecting Of Metal Packaging Waste

Marin Saracin; Cristina-Gabriela Saracin; Calin Ciobanu; Silviu Dragus

Wireless Breathing System For Long Term Telemonitoring Of Respiratory Activity

Razvan Ciobotariu; Cristian Rotariu; Felix Adochiei; Hariton Costin

11:00-11:30

Coffee break (Hall EA)

11:30-13:30

EC103	EB105
Renewable Energies and Sources <i>Chair:</i> Luminița Barote, Mihai O. Popescu <hr/> <i>Current Control Of Single-phase Inverter For Wind Turbine Applications</i> Luminita Barote; Corneliu Marinescu <hr/> <i>Short-term Wind Power Predictions For The Romanian Electric Power System</i> Petre-Cristian Razusi; Mircea Eremia <hr/> <i>Numerical Optimization Of Im Based Test Bench For Wind Generators</i> Tiberiu Tudorache; Valeriu Bostan <hr/> <i>Impact Assessment On The Air Quality Of The Thermoelectric Power Plants In Bucharest</i> Cristina Balaceanu; Costin Cepisca <hr/> <i>Parallel Operation Of Micro Hydro Power Plants</i> Catalin Petrea Ion; Corneliu Marinescu <hr/> <i>Frequency Control Issues In Microgrids With Renewable Energy</i>	Virtual Instrumentation and Monitorization & Electrical Aparatuses <i>Chair:</i> Ion Potârniche, Costin Cepișcă <hr/> <i>High Voltage Transformer Insulation Evaluation Using A Measurement Expert System</i> Sorin Dan Grigorescu; Ion Potarniche; Octavian Ghita; Octavian Ghita; Mircea Covrig <hr/> <i>Gsm Infrastructure Used For Data Transmission</i> Constantin Daniel Oancea <hr/> <i>Virtual Instrument For Monitoring The Distribution Systems</i> Leonas Ciulinaru <hr/> <i>Experimental Research To Apply The Directive 2005/32/ec Regarding The Compact Fluorescent Lamps</i> Andrei Marinescu; George Mihai <hr/> <i>Kalman Filtering Of The Miniaturized Inertial Sensors' Data For Inertial Navigation</i> Ioana Edu; Lucian Grigorie Teodor; Costin Cepisca <hr/> <i>An Integrated-technology</i>

<p><i>Sources</i> Ioan Serban; Corneliu Marinescu <i>Motor Pump Group Efficiency In An Autonomous Wind Energy Pumped Storage System</i> Andreea Forcos; Corneliu Marinescu <i>Uncertainty Budget For Distribution Grids. A Study Case On Model Parameters.</i> Irina Mangeac-Florea; Ana-Maria Dumitrescu; Melania Naumof</p>	<p><i>Multi-site Temperature Measuring System</i> Andrei Brezoica; Marius Neagu <i>The Use Of Electromagnetic Field In Monitoring And Diagnose Of The Electrical Apparatus</i> Florin Daniel Irimia; Monica Rotariu; Adrian Baraboi; Maricel Adam; Mihai Andrusca <i>Labview Interface For Oil Drilling Rigs</i> Sorin Dan Grigorescu; Ion Potarniche; Mina GHEAMALINGA; Octavian Mihai Ghita; Mircea Covrig</p>
11:30-12:30	<p>Electromagnetic Compatibility (EA004) <i>Chair: Andrei Marinescu, Claudia Popescu</i> <i>A Contribution To The Evaluation Of Uncertainty Associated With Radio Interference Voltage Tests Of High Voltage Equipment</i> I Baran; Sorin Coatu; M Costea; Daniel Rucinski <i>Experiments To Validate A Technique For Reducing The Human Rf Exposure From Mobile Terminals</i> Andrei Marinescu; Ionel Dumbrava; Violeta Voicu; George Mihai; Catalin Vargatu <i>Theoretical And Numerical Aspects Concerning Magneto Static Shielding</i> Dumitru Cazacu; E Lefter <i>A Tem Cell Model Analysis For Radiofrequency Dosimetry Improvement By Computational Means</i> Cora Iftode; Simona Miclaus; Paul Bechet; Emanoil Surducan</p>
11:30-12:00	<p>Using the Circuit Theory to Derive the Mathematical Models for AC Machines - Invited lecture, Prof. A. Câmpeanu (EA002) <i>Chair: Aurel Câmpeanu, Mihaela Morega</i> <i>Using The Circuit Theory To Derive The Mathematical Models Of Ac Machines. A Review</i> Toma Dordea; Radu Munteanu; Aurel Campeanu</p>
12:00-13:30	<p>Electrical Machines and Drives - III (EA002) <i>Chair: Aurel Campeanu, Mihaela Morega</i> <i>Numerical Analysis Of A Pm Synchronous Motor Used In Electrical Vehicles</i> Steliana Valentina Uncuta; Mircea Covrig; Ovidiu Craiu; Leonard Melcescu <i>Study Of Transformer Mineral Oil Electrification Using A Rotational Disk System</i> Mirela-Stefania Vihacencu; Laurentiu Dumitran; Petru Notingher</p>

Gui Interfaces For Off-line Determination Of Dc Electric Motor Parameters

Anca Simona Deaconu; Ioan Dragos Deaconu; Aurel Ionut Chirila; Ana-Maria Dumitrescu; Valentin Navrapescu; Valeriu Bostan

A High Short-circuit Impedance Electric Transformer

Constantin Bala; Alexandru Morega

Energetical Performances Analysis Of Pwm Asynchronous Motor And Voltage Inverter Driving System

Alexandru Bitoleanu; Mihaela Popescu; Mihaita Linca; Anamaria Mitran

Improved Performance Control Schemes For Electric Vehicles

I Iacob; Augustin Ignat; Liviu Kreindler; Aurelian Sarca

12:40-13:40 **Power Electronics (EA004)**

Chair: Mihaela Popescu, Dan Floricău

A Vector Control System For Multiresonant Loads

Dumitru Stanciu; Mihail Teodorescu

High Performance Shunt Active Power Filter

Mihaela Popescu; Alexandru Bitoleanu; Vlad Suru; Alexandra Patrascu

Junction Temperature Distribution For Three-level Static Power Converters

Lucian Spataru; Dan Floricau; Florin Ionescu

Fpga Implementation Of A Sinusoidal Pwm Generator With Zero Sequence Insertion

Bogdan Alecsa; Aleodor Ioan

13:30-15:00 **Lunch**

15:00-16:30

EC103	EA002
<p>Engineering in Medicine and Biology - III</p> <p><i>Chair:</i> Hariton Costin, Mihai Chețan</p> <p><i>Research On Possible Abnormalities Of The Ecg Signal Shape</i></p> <p>Ioan Tudosa; Narcis Adochiei; Razvan Ciobotariu</p> <p><i>A Wireless Low-power Pulse Oximetry System For Patient Telemonitoring</i></p> <p>Felix Adochiei; Cristian Rotariu; Razvan Ciobotariu; Costin Hariton</p> <p><i>Atrial Activity Estimation In Atrial Fibrillation By Combining Esc And Ica Methods</i></p> <p>Dragos Taralunga; Werner Wolf; Rodica Strungaru; Sever Pasca; Mihaela Ungureanu</p> <p><i>Virtual Instrument For Electroencephalography Data</i></p>	<p>Multiphysics</p> <p><i>Chair:</i> Călin V. Atanasiu, Virgiliu Firețeanu</p> <p><i>A Novel Magnetostrictive Injection Actuator Based On New Giant Magnetostrictive Materials</i></p> <p>Lucian Pislaru-Danescu; Alexandru M. Morega; Mihaela Morega</p> <p><i>Thermally Induced Deformation Of The Electrical Current Carrying Connection Beams In The Electrolysis Cell</i></p> <p>Alexandru Morega; Marian Petre; Marian Cilianu</p> <p><i>Heat Transfer And Magnetic Field Within A Dipolar Superferric Magnet For Low Gradient, High Uniformity Magnetic Fields</i></p> <p>Alexandru Morega; Ioan Dobrin; Mihaela Morega</p> <p><i>Mhd Modelling In Diverted</i></p>

	<p><i>Aquisition</i> Andreea Catalina Enache; Costin Cepisca; Leon Zagrean; Ana-Maria Paraschiv; Cosmin Karl Banica</p> <hr/> <p><i>New Aspects In The Ecg Signal Processing Using Adaptive Filters</i> Ioan Tudosa; Narcis Adochiei; Razvan Ciobotariu</p> <hr/> <p><i>Trends In Nebulization Technologies</i> Mihai Chetan; Andrei Negoias</p>	<p><i>Tokamak Configurations</i> Calin Vlad Atanasiu; Augustin Moraru; Leonid E. Zakharov</p> <hr/> <p><i>Study Of A Ferrofluid Actuator With Levitating Nonmagnetic Disc</i> Camelia Petrescu; Radu Olaru; Radu Hertanu</p> <hr/> <p><i>Finite Element Analysis On 3d Multiphysic Model Of Conduction Electromagnetic Pumping System For Molten Salts</i> Cristian Roman; Virgiliu Fireteanu</p>
15:00-16:15	<p>COMSOL Multiphysics - Overview and Update Notes (EA009) <i>Chair:</i>Somaly Gergely, Alexandru Morega</p>	
15:00-16:00	<p>Education in Electrical Engineering (EA004) <i>Chair:</i>Mircea Covrig, Constantin Ilaş</p> <hr/> <p><i>Does The Implementation Of The Bologna Process In Higher Technical Education Require A New Approach To Motivate The Actors Involved In The Educational Process?</i> Cristina Mihaela Gheorghe; Mircea Covrig; Steliana Valentina Uncuta; Mihai Octavian POPESCU</p> <hr/> <p><i>Robotics Laboratory For Electrical Engineering Students</i> Constantin Ilaş; Sanda Paturca</p> <hr/> <p><i>Adaptive Mechanisms And Structures In Engineering Education</i> Dorin Isoc</p> <hr/> <p><i>E-learning In Medical Related Fields</i> Catalin Curta; Radu Ciupa</p>	
16:30-18:00	<p>COMSOL - Hands-on applications (EA009, EA010) <i>Chair:</i>Somaly Gergely, Alexandru Morega</p>	