

*First Announcement and Call for papers*  
**13<sup>th</sup> International Conference on**  
**OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT - OPTIM 2012**  
May 24-26, 2012, Brasov, Romania  
(<http://www.info-optim.ro>)

*Organized by:*

Faculty of Electrical Engineering and Computer Science, *Transilvania* University of Brasov, RO

*In cooperation with:*

Faculty of Electrical Engineering, University *Politehnica* of Timisoara, RO

Faculty of Electrical Engineering, Technical University of Cluj-Napoca, RO

Romanian Academy, Romanian Academy of Technical Sciences, Romanian Electrotechnical Committee

*Technically Sponsored by:*

IEEE-IAS, -PELS, -IES & IEEE Romania Section

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**Main Tracks**

*Power Systems and Electromagnetics*

Electric Circuits and Networks, Electromagnetic Field, EMC/EMI

Electromagnetic Materials, Components and Applications

High Voltage, Electric Arc, Electrical Apparatus

Power Systems, Transmission, Distributed Generation Systems

Power Quality, Utility Applications, Safety and Reliability in Power Engineering

*Electrical Machines & Industrial Drives*

AC/DC Motor Drives

Electrical Machines Design and Modelling, Thermal, Noise and Vibrations Issues

Electric Generators and their Control

Testing and Diagnostics

Electric Propulsion, Automotive Applications

*Power Electronics and Power Converters*

Power Electronic Devices and Systems, Discrete and Integrated Semiconductors

DSP and Microcontrollers for Power Electronics and Motion Control

Power Electronics in Drives, Power Electronics Modelling, Simulation, Control

DC/DC Conversion, AC/AC Converters, Rectifiers, Inverters, PWM Systems

Electric and Hybrid Electric Vehicle Applications

UPS, Active and Hybrid Filtering, Power Line Conditioning

*Industrial Automation and Control, Mechatronics*

Control of Linear and Non-linear Systems, Signal Processing, Modelling, Simulation

Motion Control, Drive Control, Sensorless Control, Adaptive and Robust Control, Variable Structure Control

Neural Networks, Fuzzy Logic, Genetic Algorithms

Mechatronics, Robotics, Human-Machine Interface Technology, Computer Vision, Remote Sensing

Process Automation, Flexible Manufacturing Systems, Industrial Agents

Industrial Informatics, Factory Automation, Safety and Reliability

*Applied Electronics and System Integration*

Image Processing, Audio and Video Signal Processing, Multimedia Applications

Networking Applications, Microelectronics Applications, Embedded Systems, Hardware & Software Co-Design

Hardware Description Languages, High Level Language Hardware Design, System-on-chip Design

Measurements and Data Acquisition, Metrology, Safety and Reliability

*Electrical Engineering Education and Emerging Technologies*

New Educational Tools

Information and Communication Technologies in Laboratories

Distance Learning, Continuous Learning, New Educational Materials and Methods

Novel Holistic Systems Modelling Approaches (Modelica, System-C, Catapult C Synthesis)

Symbolic Approaches on Electronics

University-Industry Collaboration

*Special Sessions*

Industry news

ERASMUS Student forum

*Important Dates:*

Special session proposals: January 15, 2011

Contributed full papers: February 1, 2012

Notification of acceptance: March 10, 2012

Final submissions due: April 5, 2012

Early registration closes: April 10, 2012

*Submission:*

Selection will be based upon full length 6-8 A4 pages paper proposals in IEEE double column format. Only contribution papers are accepted. Practical (experience based) contributions from industry are mostly welcome. Please make sure that your paper is the best it can be when you send it by Email. You will be invited to make corrections in accordance with reviewers' recommendations.

We expect to have again a conference with 170-200 papers or more (OPTIM 2010 had about 200 papers from more than 25 countries). The papers are planned to be presented in 3 parallel oral lines of sessions with poster sessions to cover for the rest of the papers. We will have 6 keynote addresses from world-renowned personalities and international high tech Companies, to be presented in special plenary sessions. There will be 2 full conference days (Thursday May 24 and Friday May 25). The 3<sup>rd</sup> day (Saturday May 26) will be dedicated to cultural activities for all participants.

*Accepted Papers:*

All submitted papers will be reviewed by three members of the International Steering Committee and the corresponding author will be notified of acceptance, revision or rejection. Accepted papers must be presented by authors at the conference (an author could present maximum two (2) papers) and will be published in the conference Proceedings.

Presented papers from OPTIM 2010 will be published in the **IEEE Xplore** database and indexed in international databases (**ISI Thomson, Scopus**, etc).

A list of the best (graded by the reviewers' scores) 20% of papers presented at OPTIM 2010 will be sent to IEEE. Authors can ask for eventual publication in **IEEE Trans. Vol. IA, PEL, and IE**, provided their content falls into the scope of these Journals. **This is a result of continuing technical sponsorship from IEEE-IAS, -PELS, and -IES.**

*Conference Language:*

The official language of the Conference is English. It will be used for all printed materials, presentations and discussions.

*Registration fees (bank transfer taxes not included):*

**350 EUR/400 EUR (or equivalent in USD)** for each participant (author or not author), includes attendance at all scientific programs, conference bag (the programme, proceedings in volumes and CD form), invitations to the welcome reception and the banquet, 3 daily meals, transport by bus organized from and to the Bucharest International Airport, one trip from the list of the proposed ones.

**250 EUR/300 EUR (or equivalent in USD)** for each companion (not author or co-author), includes invitation to the welcome reception and the banquet, 3 daily meals, transport by bus organized from and to the Bucharest International Airport, three trips from the list of the proposed ones.

*Accommodation*

We will arrange a wide variety of accommodations by request at prices from, approximately, 40 Euro/night/room in good quality family hotels to probably up to 70 Euro/night/room in 3 stars hotels nearby the conference location.

For students and PhD students double rooms at about 20 Euro/night/student in Motels and Pensions near the Conference venue.

*Conference Location:*

The OPTIM 2012 Conference will be held near Brasov, in the Moeciui's Mountain Resort Village: "Cheile Gradistei". We will provide transfer by minibus from (to) International Airport in Bucharest.

*For more information contact:*

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