

Important dates

- **Friday, 15 March 2013**, 2 page digest submission deadline
- **Wednesday, 1 May 2013**, Notification of acceptance
- **Monday, 1 July 2013**, Registration, Payment and Full paper submission deadline
- **Thursday, 12 September 2013**, Conference opening

Conference Organisers



Ss. Cyril and Methodius University , Skopje, Macedonia
Faculty of Electrical Engineering and Information Technologies



Lodz University of Technology, Lodz, Poland
Institute of Mechatronics and Information Systems



ISEF 2013 Organising Team

Lidija Petkovska, Chairman of the Organising Committee
Goga Cvetkovski, Co-Chair
Vlatko Stoilkov, Treasurer
Vesna Arnautovski-Toševa, Member
Mihail Digalovski, Member
Aleksandra Krkoleva, Member



Conference Website and Contact

You may find more details about the Conference by visiting the Conference website at: <http://isef2013.feit.ukim.edu.mk> , and contact us at: isef2013@feit.ukim.edu.mk or send a fax to + 389 2 3064 262.

Exhibitions

An exhibition on computation, modelling, simulation software in electromagnetics, as well as computer tools, scientific instruments for electromagnetic testing and validation, electromagnetic devices related to ISEF 2013 is planned to be held during the Conference. The objective is to give the worldwide attendance of the Conference the opportunity to become acquainted with the latest innovations offered by state-of-the-art products available on the market. Potential exhibitors are asked to contact the organisers for further information.



Call for Papers

16th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering
12-14 September 2013, Ohrid, Republic of Macedonia



Aims of the Conference

The aim of the Conference is to invite scientists, researchers and engineers from all around the world, to discuss the state of the art and new developments in computation, modelling, simulation, measurements and application of electromagnetic fields. The special emphasis will be put on the problems related to Bio-electromagnetism and Electromagnetic Hazards – a new strategic area of modern society. Reflecting the new trends and rapid progress in the field, authors worldwide are invited to submit original and previously unpublished contributions. The Conference will feature oral and poster presentations. Companies and research organizations will have technical and commercial exhibitions. English will be the working language for all printed material, presentations and discussions.

Topics

- Field theory and advanced computations in electromagnetism
- Electrical machines, transformers, actuators, micromachines
- Electromagnetic components of mechatronics and microelectromechanical systems (MEMS)
- Coupled systems and special applications
- Electromagnetism in materials (new materials, measurements, modelling, computation)
- Electromagnetic phenomena in electrical power systems
- Optimization and computer aided design
- Software methodology and visualization
- Bio-electromagnetism and electromagnetic hazards
- Equivalent circuit modelling of field problems
- Non-destructive testing (methodology, measurement, diagnosis, testing)
- Design and computation of specific electromagnetic devices
- Electromagnetic compatibility
- Application of artificial intelligence in vector fields calculation
- Database and expert systems in the fields computation context
- Electromagnetism in education
- Artificial and computational intelligence
- Noise and vibrations of electrical machines
- Applications of electromagnetic field in biomedical engineering
- Simulation and application of electromagnetic field in nanostructures
- Electromagnetic modelling for personal and body area networks

Submission and Publication of Papers

Authors are invited to submit **2-page Digest** outlining the theory, methods and results to the Conference Secretariat. The authors of accepted papers will be invited to present their research work at the Conference and submit **4 - 6 page full papers** that will be published in the Conference Proceedings on USB. All accepted papers, accompanied by a paid registration, will be included in the conference programme and will be published in the conference proceedings. A selected number papers presented at the Conference and accepted in a further peer reviewing process will be published in the **International Journal for Computation and Mathematics in Electrical and Electronic Engineering – COMPEL, Electrical Review** (Przegląd Elektrotechniczny) and **special editions of IOS Press**.

Registration and Submission

All the actions related to the ISEF 2013 (registration, paper submission, etc.) may be completed via the Conference website at:

<http://isef2013.feit.ukim.edu.mk/Commence1-3c/index.php>.

Venue

The Conference will be held at the Metropol Lake Resort in Ohrid. The resort is located about 7 km south from the Ohrid centre and 14 km from the Ohrid airport. The distance from Skopje airport is approximately 200 km, and 175 km from Skopje city centre. The Resort enjoys a picturesque location on the coast of Lake Ohrid in the downhill of the mountain Galichica, boasting 500 m long private beach with swimming pools and playgrounds, own port, landscaped gardens and pinewoods, and fantastic views overlooking the lake and surrounding National Park Galichica.



Accommodation / Transportation

Special prices have been arranged with the Conference Hotels for the ISEF 2013 participants. **Shuttle service** will be organised during the Conference from both airports (Skopje and Ohrid) to the Conference venue upon request and reservation of each participant. For more information about the accommodation, travel, transportation, and hotel reservation please visit the ISEF 2013 website at <http://isef2013.feit.ukim.edu.mk>.

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