

INVITATION

Building upon the success of IS'02, IS'04 (held in Varna, Bulgaria) and IS'06 (held in London, UK), the 4th **IEEE International Conference on Intelligent Systems IS'08** shall continue the tradition of bringing together top specialists in the broad area of intelligent systems. This forum is an opportunity for scientists from all over the world to share ideas and achievements in the theory and practice of intelligent control, artificial intelligence, decision support systems, neural networks, soft computing, data mining and knowledge discovery, ontologies, machine learning, intelligent measurement, etc. Presentations should highlight contemporary intelligent systems as a concept that combines theoretical research and applications in automation, information technologies and measurement. All aspects of intelligent systems are of interest: theory, algorithms, tools, applications, etc.

In addition to the main sessions, the conference timetable shall be concerted with several other symposiums, workshops, poster sessions, tutorial courses, etc., in similar scopes, which will take place before, during and after the end of the IEEE IS'08.

IS'02, IS'04, and IS'06 established as scientific forums that gather only quality papers and presentations that meet high scientific standards. Following the tradition, all submitted papers to IS'08 shall be carefully reviewed for possible inclusion in the Conference Proceedings. After the Conference, a selected number of best papers shall be expanded and revised for possible inclusion in the *Journal of Intelligent Systems* and the *Journal of Advanced Computational Intelligence and Intelligent Informatics*.

Main topics

- Artificial Intelligence
- Data Mining and Knowledge Discovery
- Data Fusion
- Decision Support Systems
- Distributed Artificial Intelligence
- Evolutionary Computation
- Fuzzy Logic
- Human-machine Interaction
- Intelligent Control
- Intelligent Measurement
- Intelligent Signal Processing
- Intelligent Information Systems
- Machine Learning
- Multi-Agent Systems
- Neural Networks
- Neuro-fuzzy Systems
- Case-based and Temporal Reasoning
- Ontology-based Intelligent Systems
- Ant Colony Optimization and Swarm Intelligence
- Advanced Intelligent Systems
- Computational Intelligence in Bioinformatics and Computational Biology

Application areas

- Robotics
- Data Processing
- Knowledge Management
- Education, e-Learning
- Business&Finance
- Process Control
- Manufacturing
- Telecommunication
- Transportation
- Health, Medicine and Bioengineering
- Power Industry
- Environmental Engineering

COPYRIGHT CONDITIONS

The material submitted for presentation at an IEEE IS'08 (conference, symposium, workshops) must be original, not published or being considered for publication elsewhere. All accepted papers shall appear in the Conference Proceedings and on CD-ROM, and will be distributed to participants.

IEEE holds copyright of material presented at the conference. Authors shall be informed in due time about the Copyright Transfer Form they shall be asked to submit once their papers are accepted for publication.

SECOND ANNOUNCEMENT AND CALL FOR PAPERS

The Institute of Electrical and Electronics Engineers, Inc.



Intelligent Systems IS'08: Methodology, Models, Applications in Emerging Technologies

Organized by

IEEE CIS Chapter – Bulgaria

IEEE IMCS/SMC Joint Chapter of Bulgaria

Federation of Scientific-Technical Unions of Bulgaria

Union on Automation and Informatics, Bulgaria

Technical University – Varna, Bulgaria



September 6-8, 2008

Golden Sands, Iberostar Obzor Beach & Izgrev
Hotels, Varna, Bulgaria

<http://www.ieee-is.org>

<http://www.tu-varna.bg>

Sponsored by:

IEEE CIS Chapter - Bulgaria
IEEE IMCS/SMC Joint Chapter of Bulgaria;

Technically co-sponsored by:

IEEE Instrumentation and Measurement Society
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FOR AUTHORS

Interested authors are requested to **submit the electronic version of their draft paper(s) in PDF format, in English, before 20th February 2008.**

LaTeX templates for paper preparation may be downloaded from <http://www.ieee.org/web/publications/authors/transin/index.html>.

WORD templates may be received from the conference organizers (see contact information below). Templates will also be available at the conference web-site. **We strongly encourage authors to prepare manuscripts 6 pages in length.**

Submission of papers should be made through the EDAS system at: www.edas.info. Authors are requested to register and follow the status of their papers there.

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FEES and DEADLINES :

Registration Fees:

	till 15 April 2008	after 15 April 2008
IEEE Members	EUR 250	EUR 350
non-IEEE Members	EUR 300	EUR 400
Students:	EUR 100	EUR 150

Deadlines:

Submission of draft papers:	March 1 st , 2008
Notification of acceptance:	March 15 th , 2008
Submission of final papers:	April 15 th , 2008
Registration:	With submission of camera-ready papers

LOCATION

The conference venue are the **Iberostar Obzor Beach & Izgrev Hotels** in Golden Sands – the best resorts on the Bulgarian Black Sea Coast.

The hotel complex is located just across the beach promenade, 10 m from the gently-sloping, fine sandy beach.



These popular hotels have 509 rooms, lifts, each with a lobby with seating areas, reception with safety deposit box, bureau de change, lobby bar, hair-dressers, souvenir shops,

and several fine restaurants. In the grounds each hotel has a swimming pool with sun terrace and pool bar, sun loungers and parasols free of charge by the pool. The Iberostar Izgrev also offers to its guests sunbathing terrace on the 5th and 6th floors, sky-bar on the seventh floor and a well sound-proofed nightclub in the cellar. Indoor pool and modern spa centre with medical supervision is available to guests in Iberostar Obzor Beach Hotel. Visitors

and guests can also enjoy the balneological spa center of the hotels, offering many different health and beauty services.



Rooms are very comfortable, with carpets, telephone, satellite TV, minibar, air conditioning, bathroom, WC and balcony, and mostly with sea views. Suites include a living room and bedroom

separated by a door, otherwise identical to double rooms. For more information visit

<http://www.iberostar.com>