

ANNOUNCEMENT  
AND  
CALL FOR PAPERS

The Institute of Electrical and Electronics Engineers, Inc.



Intelligent Systems  
IS'10

Organised by

- IEEE-IM Society
- University of Westminster,  
London UK

<http://is.ieee-ims.org/>  
07-09/07/2010

INVITATION

Building upon the success of IS'02, IS'04, IS'08 (held in Varna, Bulgaria) and IS'06 (held in London, UK), the **5th IEEE International Conference on Intelligent Systems IS'10** 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 soft computing, intelligent control, data and knowledge engineering, decision support systems, data mining and knowledge discovery, ontologies, intelligent measurement, etc. IS'02, IS'04, IS'06, IS'08 established as scientific forums that gather only quality papers and presentations that meet high scientific standards.

Following the tradition, all submitted papers to IS'10 will be thoroughly reviewed for possible inclusion in the Conference Proceedings. After the Conference, only a selected number of best papers will be **expanded and revised for possible inclusion** in post-conference publications.

MAIN TOPICS

- **FOUNDATIONS OF SOFT COMPUTING AND INTELLIGENT SYSTEMS**
  - Fuzzy sets theory and its extensions
  - Probabilistic Reasoning
  - Rough set theory
  - Neural networks
  - Generalised Nets
  - Evolutionary computation
  - Other biologically inspired paradigms
- **KNOWLEDGE DISCOVERY AND INTELLIGENT SYSTEMS**
  - mining methods and algorithms
  - machine learning
  - data and knowledge representation
  - mining of structured, textual and multimedia data
  - data and knowledge visualization
  - personalisation
  - spatial and temporal data mining
  - web mining
  - complexity, efficiency and scalability issues in data mining
- **DATABASES AND INTELLIGENT SYSTEMS**
  - database integration
  - database query languages
  - database semantics
  - mobile databases
  - multimedia db systems
  - spatial databases
  - statistical databases
  - temporal databases
- **KNOWLEDGE ENGINEERING AND INTELLIGENT SYSTEMS**
  - case-based reasoning
  - constraint satisfaction
  - decision support
  - evolutionary computing
  - expert systems
  - heuristics design
  - inference engines
- knowledge-based systems
- knowledge representation
- ontologies
- search engines
- uncertainty processing
- semantic Web
- **COMPUTATIONAL PLATFORMS FOR INTELLIGENT SYSTEMS**
  - agent architectures and systems
  - distributed and parallel systems
  - high performance computing systems
  - hybrid computing
  - mobile systems
- **INTELLIGENT CONTROL AND ROBOTICS**
  - Adaptive control
  - Robust control
  - Process control
  - Co-operative control
  - Nonlinear systems
  - Discrete event systems
  - Hybrid systems
  - Sensor network systems
  - Robot control
  - Mobile robotics
  - Mobile sensor networks
  - Robot sensing
  - Data fusion
  - Localization, navigation
  - Medical robots
  - biorobotics
  - Space and underwater robots
- **INTELLIGENT PATIENT MANAGEMENT**
  - Patient flow
  - Healthcare Information Systems
  - Management of Patient Care
    - Decision Support Systems
    - Knowledge-based Systems and Data Mining

• **INTELLIGENT SYSTEM APPLICATIONS**

- health science and medical systems
- bioinformatics
- business intelligence
- digital libraries
- Workflow management Systems
- streams and sensor databases
- web data management
- web services

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](http://www.edas.info) Authors are requested to register and follow the status of their papers there.**



**COPYRIGHT CONDITIONS**

The material submitted for presentation at an IEEE IS'10 must be original, not published or being considered for publication elsewhere. All accepted papers shall appear in the Conference Proceedings in CD-ROM, and will be distributed to participants. **IEEE holds the** copyright of material presented at the conference. Authors will be asked to submit it, once their papers are accepted for publication.

**Correspondence:**

All correspondence must be directed to:  
E-mail: [ieeeis10@googlemail.com](mailto:ieeeis10@googlemail.com)

Each site has a wide selection of lecture theatres, classrooms, meeting and conference rooms. Audio-visual requirements, technical support and catering can be provided upon request. Close to transport links as well as squares, gardens or parks and proximity to major industries and the cultural life of the capital city

**FEES and DEADLINES:**

**Registration Fees:**

Including reception, lunches, coffee breaks, conference dinner, conference publications and materials



**Conference Committee**

**General Co-Chairs:**

Panagiotis Chountas (United Kingdom)  
Graham Megson (United Kingdom)

**General Programme Chair:**

Janusz Kacprzyk (Poland)

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**Local Arrangements:**

Pari Jahankhani (United Kingdom)  
Maureen Walker (United Kingdom)  
Ermir Rogova (United Kingdom)

IEEE Member		Non-Member		Student	
Until 21/04/10	\$550	Until 21/04/10	\$630	Until 21/04/10	\$365
After 21/04/10	\$630	After 21/04/10	\$742	After 21/04/10	\$420

For information regarding accommodation requirements and booking arrangements please visit

<http://www.wmin.ac.uk/page-5373>  
Looking forward to meeting you in London between **07-09/07/2010**

**Deadlines:**

Submission of draft papers: **03/03/2010**  
Notification of acceptance: **12/04/2010**  
Submission of final papers: **05/05/2010**  
Registration: **21/04/2010**  
Dates of conference: **07-09/07/2010**



**FOR AUTHORS**

Interested authors are requested to **submit the electronic version of their draft paper(s) in PDF format, in English, by 20/02/2010.**

Templates for paper preparation may be downloaded from  
<http://www.ieee.org/web/publications/authors/publish/paper.html>

**LOCATION**

Across our sites in central and north-west London, the University of Westminster since its foundation in 1838 as Britain's first polytechnic, the University has been closely involved in the business, professional and academic life of London.