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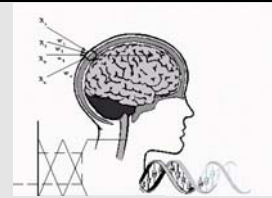
## KES'2006

10<sup>th</sup> Anniversary!

International Conference on  
**Knowledge-Based & Intelligent  
Information & Engineering Systems**

*Bournemouth International Conference Centre, U.K.*  
9, 10 & 11 October 2006

<http://kes2006.kesinternational.org>



*KES International  
Conference Series*

**Welcome!** For ten years KES has been organising conferences for the Intelligent Systems community. We are pleased to celebrate a decade of KES conferences with the announcement of KES2006, the tenth International Conference in Knowledge Based and Intelligent Information and Engineering Systems. KES2006 will be jointly organised by the Universities of Brighton and Bournemouth and held in the Bournemouth International Conference Centre on the South Coast of the United Kingdom. The conference will consist of keynote talks and paper presentations, invited sessions and workshops, on the applications and theory of Intelligent Systems and related areas. It will provide excellent opportunities for the presentation of interesting new research results, and discussion about them, leading to knowledge transfer and the synergetic generation of new ideas. The scope of the conference includes the following topics:-

**Generic Topics of Interest:** Knowledge-Based Systems, Expert Systems, Neural Networks, Fuzzy Techniques and Systems, Genetic Algorithms and Evolutionary Computing, Hybrid Intelligent Systems, Intelligent Agents and Multi-Agent Systems, Knowledge Discovery and Data Mining, Machine Learning, Cognitive Modelling, Knowledge Representation and Management, Planning, Spatial & Temporal Reasoning, Knowledge Acquisition.

**Intelligent Applications:** Industrial Control and Monitoring, Fault Diagnosis, Robotics, Image Processing, Machine & Computer Vision, Medical & Diagnostic Systems, Financial & Stock Market Monitoring and Prediction, Speech Processing and Synthesis, Natural Language Processing, Environmental Monitoring, Power Electronics & Drives, High Voltage Systems, Engine Control and Vehicle Applications; Signal Processing; Wavelets.

**Emerging Intelligent Technologies:** Context-aware and Affective (Emotional) Computing, Mobile Computing and Systems, Business Intelligence Systems, Human-centered Computing, User-profiling, Evolvable Hardware, DNA Computing, Artificial Life, Bioinformatics using Intelligent & Machine Learning Techniques, Intelligent Tutoring Systems, Artificial Intelligence and the Internet, Information Agents on the Internet, E-commerce/E-business and E-learning, Intelligent Information Retrieval, Intelligent Web Mining & Applications, Intelligent User Interfaces, Virtual Reality & Multi-Media Intelligent Information Systems.

### CALL FOR PAPERS

Papers are invited from prospective authors with interests in the indicated conference topics and related areas of application. All contributions should be original and not published elsewhere or submitted for publication during the review period. Please see the web site for details of the required paper format. To ensure high quality, all papers must be submitted using the PROSE online system, and will be thoroughly reviewed by the KES2006 Programme Committee. The conference proceedings will be published by a major publisher. Extended versions of selected papers will be considered for publication in the KES Journal <http://www.kesinternational.org/journal/>. Authors will be limited to one paper per registration.

### CALL FOR SUBJECT CHAIRS

Specialists in technical areas within the scope of the conference are invited to apply to be Subject Chairs at KES2006, taking responsibility for overseeing the paper review process within their domain of expertise. Please contact the KES2006 Secretariat outlining your experience and area of expertise if you would like to contribute to the organisation of KES2006 as a Subject Chair.

### CALL FOR INVITED SESSIONS

Scientists, engineers and researchers who would like to organise an invited session of 5/6 papers, or a parallel workshop of a half or full day, on some topic falling within the scope of the conference, are invited to contact the KES Secretariat enclosing the title and content of the proposed session. We also welcome suggestions for other activities that will appeal to our delegates.

### DEADLINES

#### General Sessions

Submission of papers: 1 February 2006  
Notification of acceptance: 1 April 2006  
Final papers to be received by: 1 May 2006

#### Invited Sessions & Workshops

Proposals for Invited Sessions / Workshops: 1 February 2006  
Session Chair sets Invited Session interim deadlines.  
Final papers for Invited Sessions must be received by: 1 May 2006

**All presenting authors must register with payment by 1 June 2006 for their papers to appear in the proceedings**

**KES2006 General Chairs:** B.Gabrys, University of Bournemouth, UK and R.J.Howlett, University of Brighton, UK

**Invited Sessions Chair:** L.C.Jain, University of South Australia

*KES2006 is part of the KES International Conference Series, Chairs L.C.Jain and R.J.Howlett*

**Web Site:** <http://kes2006.kesinternational.org>

**Email Enquiries:** [kes2006@kesinternational.org](mailto:kes2006@kesinternational.org)