KES2008
12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems

3, 4 and 5 September 2008
Zagreb, Croatia

WELCOME

We are pleased to invite participation in KES2008 organized by the University of Zagreb and its Faculty of Electrical Engineering and Computing in conjunction with KES International. The conference will take place in Zagreb, the capital of the Republic of Croatia. Zagreb is an old Central European city located on the intersection of important routes between the Adriatic coast and Central Europe. The conference will consist of keynote talks, oral and poster 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 generation of new ideas.

SCOPE OF THE CONFERENCE

GENERIC TOPICS OF INTEREST
Knowledge-Based Systems, Expert Systems, Cognitive Systems, Neural Networks, Artificial Immune Systems, Fuzzy Techniques and Systems, Genetic Algorithms and Evolutionary Computing, Hybrid Intelligent Systems, Intelligent Agents and Multi-Agent Systems, Self organizing and complex systems, Knowledge Discovery and Data Mining, Data Analysis and Pattern Recognition, Machine Learning, Bayesian Networks, Knowledge Representation and Management, Computational neuroscience, Planning, Spatial & Temporal Reasoning, Knowledge Acquisition.

INTELLIGENT APPLICATIONS
Industrial Control, Monitoring and Planning, 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 and Time Series Processing, Wavelets.

EMERGENT INTELLIGENT TECHNOLOGIES
Pervasive Computing, Context-aware and Affective (Emotional) Computing, Mobile Computing and Systems, Business Intelligence Systems, Human-centered Computing, Intelligent User Interfaces, Cognitive Interfaces, User profiling, Evolvable Hardware, DNA Computing, Immunocomputing, Artificial Life, Bioinformatics using Intelligent & Machine Learning Techniques, Micro array Data Analysis, Intelligent Tutoring Systems, Artificial Intelligence and Information Agents on the Internet, E-commerce/E-business and E-learning, Semantic Web, Intelligent Web Mining & Applications, Virtual Reality & Multi- Media Intelligent Information Systems, Blind Source Separation.

CALL FOR CONTRIBUTION

CALL FOR PAPERS
Contributions are invited from prospective authors with interests in the indicated conference topics and related areas of application. All contributions should be high quality, 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. Papers will be thoroughly reviewed by the International Program Committee, and may be accepted for oral or poster presentation. The conference proceedings will be published by Springer in LNCS/LNAI. Extended versions of selected papers will be considered for publication in the KES Journal. Authors will be limited to one paper per registration.

CALL FOR TRACK/SUBJECT CHAIRS
Experienced researchers in the field are invited to chair wide scope tracks covering the various facets of the Intelligent Systems, taking responsibility for overseeing the paper review process within their domain of expertise. Please contact the conference Secretariat outlining your experience and area of expertise if you would like to contribute as a Subject Chair.

CALL FOR INVITED SESSIONS AND WORKSHOPS
We invite researchers on hot topics and fresh ideas in the field to organize invited sessions, or parallel workshops of a half or full day, gathering a minimum of 5 papers of at least 3 research teams in the world. Please, contact the Conference Secretariat enclosing the title and content of the proposed session, and tentatively involved research teams. We also welcome suggestions for other activities that will appeal to our delegates.

DEADLINES: General Sessions

Submission of papers: 1 February 2008
Notification of acceptance: 1 April 2008
Final paper to be received by: 1 May 2008

DEADLINES: Invited Sessions and Workshops

Proposal for Invited Sessions/Workshops: 1 January 2008
Session/Workshop Chair sets submission deadlines
Final paper to be received by: 1 May 2008

All presenting authors must register and pay the conference fee by 1 May 2008 for their papers to appear in the proceedings
All deadlines and other details are provisional at the stage.

ORGANISATION

KES2008 General Chair:
I. Lovrek, University of Zagreb, Croatia

KES2008 Executive Chair:
R. J. Howlett, University of Brighton, UK

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

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