

KES2011 - 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems

12, 13 and 14 September 2011 in Kaiserslautern, Germany

WELCOME

We are pleased to invite participation in KES2011 organized by the the German Research Center for Artificial Intelligence and the University of Kaiserslautern, in conjunction with KES International. The conference will take place in Kaiserslautern. The city is located at the edge of the Palatinate Forest in southwest Germany and home to about 100,000 inhabitants. It received its name from the favorite hunting retreat of Frederick Barbarossa who ruled the Holy Roman Empire from 1155 until 1190. The historic centre dates back to the 9th century. Today, Kaiserslautern is a modern centre of information and communications technology and home to a well-known university, a technical college and many internationally renowned research institutes. 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

Automated Design and Configuration of Sensory Systems, Self-x principles in Intelligent Engineering Systems, Knowledge-Based Systems, Expert Systems, Cognitive Systems, Neural Networks, Artificial Immune Systems, Fuzzy Techniques and Systems, Genetic Algorithms and Evolutionary Computing, Hybrid Intelligent Systems, Multi-Agent 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, Semantic-Based Systems.

INTELLIGENT APPLICATIONS

Multi-Sensor Information Systems, Dimensionality Reduction and Interactive Multivariate Data Visualization/Analysis, Organisation Memories, Industrial Control, Monitoring and Planning, Intelligent Web-based Systems, 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, Intelligent Web Personalization, Ubiquitous Computing, Context-aware and Affective (Emotional) Computing, Mobile Computing and Systems, Business Intelligence Systems, Human-centered Computing, Intelligent User Interfaces, Cognitive Networks, User profiling, Evolvable Hardware, DNA Computing, Immunocomputing, Artificial Life, Bioinformatics, Micro array Data Analysis, Intelligent Tutoring Systems, E-commerce/E-business and E-learning, Semantic Web, Intelligent Web Mining & Applications, Virtual Reality & Multi-Media Intelligent Information Systems, Blind Source Separation.

DEADLINES: General Sessions

Submission of papers: 1 March 2011
Notification of acceptance: 1 April 2011
Final paper to be received by: 1 May 2011

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.

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 six papers. 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: Invited Sessions and Workshops

Proposal for Invited Sessions/Workshops – as soon as possible.
Session/Workshop Chair sets submission deadlines
Final paper to be received by: 1 May 2011

All presenting authors must register and pay the conference fee by 1 May 2011 for their papers to appear in the proceedings
All deadlines and other details are provisional at the stage.

ORGANISATION

KES2011 General Chair:

A. Dengel, University of Kaiserslautern and German Research Center for Artificial Intelligence, Germany

KES2011 General Co-Chair:

A. König, University of Kaiserslautern, Germany

KES2011 General Co-Chair:

L. C. Jain, University of South Australia, Australia

KES2011 Executive Chair:

R. J. Howlett, University of Brighton, UK

KES2011 E-mail: kes2011@kesinternational.org

KES2011 Program Co-Chair:

K. Hinkelmann, University of Applied Sciences Northwestern Switzerland, Switzerland

KES2011 Program Co-Chair:

K. Kise, Osaka Prefecture University, Japan

KES2011 Organising Chair:

S. Zinsmeister, German Research Center for Artificial Intelligence, Germany

Web Site: <http://kes2011.kesinternational.org>