KES 2014

18th International Conference on
Knowledge-Based and Intelligent Information & Engineering Systems

15, 16 and 17 September 2014 in Gdynia, Poland

http://kes2014.kesinternational.org

WELCOME

We are pleased to invite participation in KES2014 organized by Gdynia Maritime University in Poland, in conjunction with KES International. The university in which it will take place is located in the port city Gdynia known for its picturesque seashore with marinas, promenades and yacht clubs. However there is more to enjoy nearby, as Gdynia is a part of the Tricity, which also includes a thousand-year-old Gdańsk, Poland's cultural gem, and Sopot, a health-resort with its beautiful Landscape Park and splendid sandy beaches. The many attractions of the area are easily reached via Gdansk Lech Walesa International Airport, and all three cities are linked by frequent and comfortable commuter lines. Gdynia Maritime University is a specialized technical university and the largest Polish and European Centre for higher maritime education. The University is actively involved in numerous national and European research projects.

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, Machine & Computer Visionm,Virtual Reality & Multi-Media Intelligent Information Systems, Image classifiers, Semantic Visualization, Semantic abstraction of the PLC/PLM, Machine learning, Image feature extraction, multimedia retrieval, multimedia annotation. Semantic annotation of images and videos, parallel computing and GPU, Semantic enhanced mockups and simulation models.

DEADLINES: General Sessions
Submission of papers: 15 March 2014
Notification of acceptance: 1 May 2014
Final paper to be received by: 1 June 2014

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 must be high quality, original and must not have been previously published elsewhere or intended for publication elsewhere. All papers will be reviewed by members of the International Programme Committee and depending on their level and attributes, may be selected for oral or poster presentation, and publication in the conference proceedings. The accepted paper will be published in Elsevier's Procedia Computer Science open access journal, available in ScienceDirect and indexed/abstracted in CPCi (ISI conferences), Engineering Index, and Scopus. Extended versions of selected papers will be considered for publication in periodicals indexed by Web of Science and 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 June 2014

ORGANIZATION

KES2014 Honorary Chairs:
J. Kacprzyk, Polish Academy of Sciences, Poland
L. C. Jain, University of South Australia, Australia
KES2014 General Chair:
P. Jędrzejowicz, Gdynia Maritime University, Poland
KES2014 Executive Chair:
R. J. Howlett, Bournemouth University, UK

KES2014 Program Co-Chairs:
I. Czarnowski, Gdynia Maritime University, Poland
C. Zanni-Merck , National Institute of Applied Science, France
E. Szczerbicki, University of Newcastle, Australia
KES2014 Local Organizing Chair:
D. Barbucha, Gdynia Maritime University, Poland
KES2014 Publicity Co-Chairs:
E. Ratajczak-Ropel, Gdynia Maritime University, Poland
I. Wierzbowska, Gdynia Maritime University, Poland

KES2014 is part of the KES International Conference Series, Chairs: L.C.Jain and R.J.Howlett

KES2014 E-mail: kes2014@kesinternational.org   **Web Site: http://kes2014.kesinternational.org**