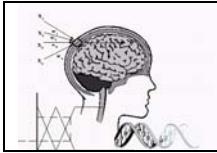




KES2007-WIRN2007

<http://kes2007.kesinternational.org>

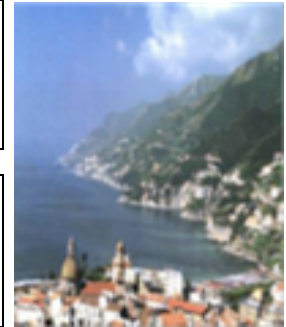


KES2007 11th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems

in conjunction with



WIRN2007 XVII Italian Workshop on Neural Networks Vietri sul Mare, Near Salerno, Italy 12, 13 and 14 September 2007



Welcome! We are pleased to invite participation in KES2007 and WIRN2007 a joint event of two institutions that have successfully operated for a considerable time in the interdisciplinary field of modern intelligent systems. The conference will take place in the small town of Vietri sul Mare on the picturesque Italian coast near Salerno and not far from the famed bay of Naples. The venue will be the Lloyds Baia Hotel, built on the cliffs, overlooking the Mediterranean Sea, and with its own private beach. 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 constitute a privileged forum in which to present recent research results and to discuss new founding ideas in a totally relaxed atmosphere, where open-mindedness and rigorous argumentation may find a correct equilibrium. The scope of the conference includes the following topics:

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.

Emerging 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 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 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 2007 Notification of acceptance: 1 April 2007 Final paper publication files to be uploaded by: 1 May 2007 | DEADLINES : Invited Sessions & Workshops Proposals for Invited Sessions / Workshops: 1 January 2007 Session Chair sets Invited Session submission deadlines. Final paper publication files to be uploaded by: 1 May 2007 |
|---|--|

All presenting authors must register with payment by 1 May 2007 for their papers to appear in the proceedings

KES2007 General Chair: B.Apolloni, University of Milano, IT. **KES2007 Executive Chair:** R.J.Howlett, University of Brighton, UK

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

KES2007 Email: kes2007@kesinternational.org **WIRN2007 Email:** siren@dsi.unimi.it