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IEA-AIE 2011 CALL FOR PAPERS

The Twenty Fourth International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems June 28 - July 1, 2011 Syracuse, New York, USA



Sponsor: International Society of Applied Intelligence (ISAI)

Organized in cooperation with: Association for the Advancement of Artificial Intelligence (AAAI); Association for Computing Machinery (ACM/SIGART, SIGKDD); Austrian Association for Artificial Intelligence (OeGAI); British Computer Society Specialist Group on Artificial Intelligence (BCS_SGAI); European Neural Network Society (ENNS); International Neural Network Society (INNS); Japanese Society for Artificial Intelligence (JSAI); Slovenian Artificial Intelligence Society (SLAIS); Spanish Society for Artificial Intelligence (AEPIA); Syracuse University; Swiss Group for Artificial Intelligence and Cognitive Science (SGAICO); Taiwanese Association for Artificial Intelligence (TAAI); Taiwanese Association for Consumer Electronics (TACE); Texas State University-San Marcos.

Scope: IEA/AIE 2011 continues the tradition of emphasizing applications of applied intelligent systems to solve real-life problems in all areas including engineering, science, industry, automation & robotics, business & finance, medicine and biomedicine, bioinformatics, cyberspace, and man-machine interactions. IEA/AIE-11 will include oral paper presentations, invited speakers and special sessions.

Topics of interest

Topics relevant for submissions to IEA/AIE '2011 include the following:

Adaptive Control	Expert Systems	Knowledge Processing
Application to Design	Evolutionary Algorithms	Machine Learning
Applications to Manufacturing	Financial Applications	Model-based Reasoning
Autonomous Agents	Genetic Programming	Multi-Agent Systems
Bio-informatics	Heuristic Search	Natural Language Processing
Case-based Reasoning	Human Robot Interaction	Neural Networks
Chance Discovery	Integration Systems for Real Life Applications	Planning and Scheduling
Computer Vision	Intelligent Interfaces	Reasoning under Uncertainty
Constraint Satisfaction	Intelligent Systems	Social Networks Applications
Conversational Informatics	Intelligent Systems in Education	Spatial Reasoning
Data Mining	Internet Applications	Speech Recognition
Decision Support Systems	KBS Methodology	System Temporal Reasoning
Distributed Problem Solving	Knowledge Management	

Authors are invited to electronically submit their paper, written in English, of up to 10 single spaced pages, presenting the results of original research or innovative practical applications relevant to the conference.

Practical experiences with state-of-the-art AI methodologies are also acceptable when they reflect lessons of unique value to the conference attendees. Shorter works, up to 6 pages, to be presented in 10 minutes, may be submitted as SHORT PAPERS representing work in progress or suggesting possible research directions. All paper submissions will be done electronically, as indicated in the instructions on the [conference web site](#). All papers will be peer reviewed and final copies of papers for inclusion in the conference proceedings will be published in a bound volume by Springer-Verlag (the format is shown at <http://www.springer.de/comp/lncs/authors.html>) in their 'Lecture Notes in Artificial Intelligence' series. Referees will be asked to nominate papers for a Best Paper award to be announced at the conference. All papers, but particularly those nominated for the Best Paper competition, will be automatically considered for publication in an expanded form in the special issue of the international journal of applied intelligence.

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Important dates

Invited session proposals	Aug. 20, 2010	Notification of acceptance	Feb. 1, 2011
Paper submission due	Nov. 12, 2010	Final camera ready form	Feb. 28, 2011