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KES-AMSTA-2008

2nd International Symposium on Agents and Multi-agent Systems – Technologies and Applications

Incheon, Korea
26 Mar. – 28 Mar. 2008

<http://amsta-08.kesinternational.org>



INHA UNIVERSITY

*KES International
Conference Series*

Welcome! KES-AMSTA-08 is an international scientific symposium for research in the field of agent and multi-agent systems. The aim of the symposium is to provide an internationally respected forum for scientific research in the technologies and applications of agent and multi-agent systems. Agents and multi-agent systems are related to a modern software paradigm which has long been recognized as a promising technology for constructing autonomous, complex and intelligent systems. This symposium will provide an excellent opportunity for researchers to discuss modern approaches and techniques for agent and multi-agent systems and their applications. KES-AMSTA-07 is organized by [KES International](#) and [Inha University](#), Korea, and will take place in Incheon. This city is a gateway to Northeast Asia with both international port and international airport in its hand, Incheon is located in the mid-west Korea peninsula abutting the Yellow Sea. Incheon is located 28km from the capital city, Seoul. Incheon International Airport being only 15km from Incheon, and 52 km from the city center of Seoul, is easy to access. Inha University a leading university of the Pacific-Rim, with a firmly established center of learning, and a research environment secured by advanced technology alongside state-of-the-art educational infrastructure. Such infrastructure equips Inha's 20,000 national and international students to become international leaders, and allows the 650 foreign and Korean national faculty members to develop ground-breaking research. The scope of the symposium includes the following topics:-

Agent Systems: Formal models of agency. Agent architectures. BDI architecture. Learning, evolution, and adaptation. Perception and action. Communication: languages, semantics, pragmatics, protocols, and conversations. Knowledge representation Computational complexity. Autonomous or humanoid robots. Social robots and robot teams. Autonomy aspect. Cognitive models, including emotions and philosophies. Embodied and believable agents. Emergent behavior. Ontologies.

Multi-agent Agent Systems: Cooperative distributed problem solving. Task and resource allocation. Mechanism design, auctions, and game theory. Modeling other agents and self. Multi-agent planning. Negotiation protocols. Multi-agent learning. Conflict resolution. Trust and reputation management. Privacy, safety and security. Scalability, robustness and dependability. Social and organizational structures. Verification and validation. Novel computing paradigms (autonomic, grid, P2P, ubiquitous computing). Brokering and matchmaking. Agent-oriented software engineering, including implementation languages and frameworks. Mobile agents. Performance, scalability, robustness, and dependability. Verification and validation. E-business agents. Pervasive computing. Privacy, safety, and security.

Tools and Applications: Simulation systems. Web services and service-oriented computing. Artificial social systems. Autonomic computing. Case studies and reports on deployments. Computational infrastructures. Information retrieval. Web services and semantic web. E-learning systems. E-institutions. E-commerce.

CALL FOR PAPERS

Papers are invited from prospective authors with interests on the indicated symposium topics and related areas of application. All contributions should be original and not published elsewhere or intended to be published during the review period. Contributions from more applied related fields in industry and commerce are very welcome. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. To ensure high quality, all papers will be thoroughly reviewed by the KES-AMSTA-08 International Programme Committee. The symposium proceedings are planned to be published by [Springer-Verlag](#) in [LNCS/LNAI](#) series (subject to confirmation). Submitted papers should be prepared in LNCS/LNAI style and should not exceed 10 pages. Extended versions of selected papers will be considered for publication in special issues to be included in several journals indexed by ISI, [KES Journal](#) and [Int. Journal of Intelligent Information and Database Systems](#). Ph.D. students are invited to submit papers to Doctoral Track. Special sessions are also welcome.

IMPORTANT DAYS

Submission of papers: 1 Oct. 2007
Notification of acceptance: 10 Nov. 2007
Final papers to be received: 10 Dec. 2007
Authors / Early registration: 22 Dec. 2007
Symposium: 26 Mar. – 28 Mar. 2008

ORGANIZATION

Honorary Chair: J.K. Lee, KAIST, Korea
General Chair: G.S. Jo, Inha University, Korea
Program Chair: N.T. Nguyen, Wroclaw University of Technology, Poland
Executive Chair: R.J. Howlett, University of Brighton, UK
Program Co-Chairs: J.J. Jung, Inha University, Korea, and L. Cao, UTS Australia.
Local Organizing Chair: J.S. Lee, Inha University, Korea
Publicity Chair: S.G. Kang, Inha University, Korea
Doctoral Track Chair: R. Katarzyniak, Wroclaw University of Technology, Poland
Special Session Chairs: J. Sobocki, Wroclaw University of Technology, Poland

KES-AMSTA-08 is part of the AMSTA Series chaired by N.T. Nguyen, which is a sub-series of KES International Conference Series, Chairs L.C.Jain and R.J. Howlett

Web Site: <http://amsta-08.kesinternational.org>

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