

CALL FOR PAPERS



The 9th International Symposium on Autonomous Decentralized Systems

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Athens, Greece

ISADS 2009

Sponsored by:



The Institute of Electrical and Electronics Engineers



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Scope

Opportunities and challenges for realizing highly complex, efficient and dependable business and control systems have been steadily increasing, driven by the continuous growth in the power, intelligence, adaptiveness and openness of technologies applied in computing, communication and control systems. Dynamically changing social and economic situations demand the next-generation of systems to be based on adaptive and reusable technologies and applications. Such systems are expected to have the characteristics of living systems composed of largely autonomous and decentralized components. Such systems are called Autonomous Decentralized Systems (ADS). The International Symposium on Autonomous Decentralized System (ISADS) has been successful in the past sixteen years to address these challenges. While ISADS 2009 will focus primarily on advancements and innovations in ADS concept, technologies and applications related to networked embedded systems, other topics are also encouraged. The ISADS 2009 Technical Program Committee invites papers and proposals of workshops and panels on the topics of the symposium, which include, but are not limited to:

- Computer and communication architectures
- Autonomous and decentralized services, including service architecture, protocols, and collaboration
- Distributed and collaborative development, test and maintenance, and development infrastructure of high-quality software systems
- Ad-hoc networks and sensor networks
- Advanced network infrastructures and internetworking
- Assurance, fault tolerance and on-line expansion
- Autonomic computing systems
- Emergent control and robotic systems
- Heterogeneous distributed information / control systems
- Mobile agent /computer-supported cooperative works
- Model driven development
- Modeling and simulation of autonomous services and service-oriented application composition
- Object management architecture, design patterns, application frameworks
- Service-oriented architecture, design patterns, and application frameworks
- Web services and Web-based application composition
- Novel applications, including e-business, e-commerce and e-government; telecommunications; information service systems; manufacturing systems; real-time event management; office automation; traffic and transportation control; supply chains; environmental/emergency protection; networked health and medical systems; intelligent home control; embedded systems for automotive and avionics applications

Information for Authors

Papers should describe original work and be 20 double-spaced pages (5,000 words) or less in length. Papers should include: title, authors, affiliations, 150-word abstract and list of keywords. Please identify the contact author clearly, including name, position, mailing address, telephone and fax numbers, and email address. At least one of the authors of each accepted paper must register and present the paper at ISADS'2009. Authors must submit their manuscripts electronically following the instructions at the ISADS'2009 web site at: <http://www.ece.upatras.gr/isads2009/>

Information for Workshop and Panel Organizers

Workshop proposals should include: title, organizer affiliation, position, mailing address, telephone and fax numbers, email address, and a draft call-for-papers, including Chairs, committees and submission deadline. Workshop proposals must be e-mailed at isads2009@ece.upatras.gr

Important Dates

June 15, 2008: Workshop proposals are due.
July 31, 2008: Acceptance notification for workshop proposals.
October 31, 2008: All papers and panel proposals are due.
December 19, 2008: Authors and panel organizers notified of acceptance.
January 15, 2009: Camera-ready copies of accepted papers and panelist position papers.

General Information

For general information, visit the ISADS'2009 web site at: <http://www.ece.upatras.gr/isads2009/>