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**Info for Authors**

Papers must describe original work and are limited to 8 IEEE two-column-format pages, including title, authors, affiliations, up to 150-word abstract, and a list of keywords.

**Journal Special Issue**

Papers of this symposium will be selected for special issues in journals

**Important Dates**

June 30, 2006:  
Workshop proposal due

July 15, 2006:  
Acceptance notification  
of workshop proposals

Aug. 15, 2006:  
Symposium papers and  
panel proposals due

Oct. 30, 2006:  
Authors and panel  
organizers notified of  
acceptance.

Dec. 15, 2006:  
Camera-ready

Email all inquires to  
[isads07@asu.edu](mailto:isads07@asu.edu)



ISADS 07

## CALL FOR PAPERS

The 8th International Symposium on  
**Autonomous Decentralized Systems (ISADS 2007)**

Sedona, Arizona, March 21 - 23, 2007

<http://asusrl.eas.asu.edu/srlab/activities/isads/>

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Driven by the continuous growth in the power, sophistication, intelligence, adaptiveness, and openness of technologies applied in computing, communication, and control systems, opportunities and challenges for realizing highly complex, efficient, and dependable business and control systems have been steadily increasing. Dynamically changing social and economic situations demand the next-generation of systems to be based on adaptive and reusable technologies and applications. Autonomous Decentralized Systems (ADS) concepts and technologies are well researched in the past sixteen years to address these challenges. The past seven success symposia on ADS were held in 1993 (Japan), in 1995 (USA), in 1997 (Germany), in 1999 (Japan), in 2001 (USA), in 2003 (Italy), and in 2005 (China). While ISADS 2007 will primarily focus on advancements and innovations in ADS concept, technologies, and applications related to software-intensive adaptive systems and their engineering, other themes listed below are also encouraged. The ISADS 2007 program committee invites papers, workshop proposals, and panel proposals on the topics of the Symposium that will foster interactions among researchers and practitioners.

The topics in ISADS 2007 include, but are not limited to:

- Ad hoc networks and sensor networks;
- Advanced network infrastructures and internetworking;
- Assurance, fault tolerance and on-line expansion;
- Autonomic computing systems;
- 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;
- 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; wireless ad hoc systems; embedded systems for automotive and avionics applications