Scope

Opportunities and challenges for implementing 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 and standards applied in computing, communication and control systems. Dynamically changing social and economic situations demand the next-generation of systems to be based on adaptive, reusable, and internet and Web-enabled 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 the premier events in the past twenty-two years to have successfully addressed these challenges. The 11th ISADS 2013 will continue to focus on the advancements and innovations in ADS concepts, technologies, applications strategic issues, and other related topics. The special topic for ISADS 2013 is the smart cities and e-applications. We invite research papers, workshop proposals, and panel proposals on, but not limited to, the following topics:

- Novel applications, including e-commerce, e-government; telecommunication; 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
- Analytics for resources optimization in smart cities
- Autonomous and decentralized services, including service architecture, protocols, and collaboration
- Object management architecture, design patterns, application frameworks
- Service-oriented architecture, design patterns, and application frameworks
- Web services and Web-based application composition
- Distributed and collaborative development, test and maintenance, and development infrastructure of high-quality software systems, cloud computing, and service-oriented architecture
- Assurance, fault tolerance, on-line expansion, on-line maintenance, and resilience
- Emergent control and robotic systems
- Heterogeneous distributed information / control systems
- Modeling and simulation of autonomous services and service-oriented application composition
- Model driven development
- Mobile agent / computer-supported cooperative works
- Ad-hoc networks and sensor networks
- Advanced network infrastructures and interworking

Information for Authors

Research 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 number, and email address. At least one of the authors of each accepted paper must register and present the paper at ISADS 2013. Authors must submit their manuscripts electronically following the instructions at the ISADS 2013 web site at: http://www.isadsmexico2013.mx

Information for Workshop and Panel Organizers

Workshop and panel proposals should include: title, organizer affiliation, position, mailing address, telephone number, email address, and a draft call-for-papers, including Chairs, committees, and submission deadline. Workshop and panel proposals must be e-mailed to the program chair, Dr. Chen (yinong@asu.edu).

General Information

For general information, visit the ISADS 2013 web site at: http://www.isadsmexico2013.mx or email local arrangement chair Dr. Gonzalez (roblogz@up.edu.mx).

Important Dates

June 15, 2012: Workshop and panel proposals due.
August 31, 2012: All papers and panel proposals due.
November 15, 2012: Acceptance notification for paper authors and panel organizers.
December 31, 2012: Camera-ready copies of accepted papers and panelist position papers due.