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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-four years to have successfully addressed these challenges. The 12th ISADS 2015 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 2015 is the evolving systems for next generation social infrastructures. We invite research papers, workshop proposals, and panel proposals on, but not limited to, the following topics:

- Ad-hoc networks and sensor networks
- Advanced network infrastructures and internetworking
- Assurance, fault tolerance, on-line expansion, on-line-maintenance, and resilience
- Autonomous and decentralized services, including service architecture, protocols, and collaboration
- Cloud computing and big data analysis
- Distributed and collaborative development, test and maintenance, and development infrastructure of high-quality software systems, cloud computing, and service-oriented architecture
- 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
- Network and system security and safety
- 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
- Service-oriented architecture, design patterns, and application frameworks
- Technologies and applications to promote transformation of social infrastructures, including the smart grid, environment management, resilience of system, Internet of Things, autonomous car and train, communication among the mobiles
- Web services and Web-based application composition

Information for Authors

Research papers should describe original work and be up to 20 double-spaced pages (5,000 words) or 8 pages in IEEE double-column conference paper format. 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 2015. Authors must submit their manuscripts electronically following the instructions at the ISADS 2015 web site at: <http://isads2015.asia.edu.tw>

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 2015 web site at: <http://isads2015.asia.edu.tw> or email local arrangement chair Dr. Liao (liao@aim.asia.edu.tw).

Important Dates

- June 15, 2014: Workshop and panel proposals due.
July 31, 2014: Acceptance notification for workshop proposals.
~~September 24, 2014: All papers due.~~
October 6, 2014: All papers due.
November 15, 2014: Acceptance notification for paper authors and panel organizers.
December 31, 2014: Camera-ready copies of accepted papers and panelist position papers due.