

# Call for Papers

## The Eleventh International Workshop on Assurance in Distributed Systems and Networks (ADSN2012)

Macau, China June 18-21, 2012

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Sponsored by the IEEE Computer Society Technical Committee on Distributed Processing in cooperation with IEICE Technical Committee on Information Networks and IEICE Technical Committee on Dependable Computing

This workshop will be held in conjunction with the 32nd International Conference on Distributed Computing Systems (ICDCS 2012) (see for detail <http://icdcs-2012.org/index.html>).

The objective of the Workshop is to provide an effective forum for original scientific and engineering advances in Assurance in Distributed Systems and Networks. Along with recent rapid growth of the Internet and ubiquitous networks, autonomous decentralized systems are connected with each other. In these distributed systems and networks, heterogeneous requirements are independently generated and the requirements themselves are frequently changing. Assurance in these distributed systems and networks is defined as capability of guaranteeing functional and nonfunctional system properties such as dependability, security, timeliness and adaptivity to heterogeneous and changing requirements. The workshop theme is critical in meeting ever more demanding requirements for assurance in systems and networks, especially in the future Internet and ubiquitous networks. Technologies supporting assurance including integration of various technologies such as real time, fault tolerance, autonomy, mobility and intelligence will have to be incorporated in complex distributed systems and networks.

Topics of interest for this workshop include, but are not limited to:

- Assurance technologies for new generation network
- Agents technologies for assurance
- Assurance in cooperative embedded, grid and cloud computing systems
- Heterogeneous systems coexistence and consistency technologies
- Network control (QoS, QoE, CoS, etc) technologies for assurance
- Real-time technology assurance
- Self-stabilization and sensor networks assurance
- Service-oriented and web service-based computing systems
- Software and hardware technologies (E-commerce, intelligent transport systems, train control, space computers) for assurance
- System life-cycle, specification, design, implementation, testing, verification, validation, and security technologies for assurance
- System management and proactive fault management technologies for assurance
- Technologies for achieving high assurance in complex systems

### Papers and Submissions

Papers must be written in English, and they have to be Postscript, PDF, or Word format. The complete manuscript should be no more than 6 pages following IEEE conference proceedings style and guidelines. The following information must be provided on a cover sheet:

- (1) paper title, full name, affiliation of the author(s)
- (2) full name, affiliation, complete address, phone and fax numbers and email address of the author to be contacted, as well as
- (3) an abstract (up to a 150 words).

All paper submissions will be handled electronically by the EasyChair conference management system. Papers should be submitted via the EasyChair adsn2012 page: <http://www.easychair.org/conferences/?conf=adsn2012>

Authors are expected to present their paper at the workshop. At least one author of each paper must register for ICDCS to be included in the workshop program.

### Important Dates

Deadline for submission: **January 18, 2012 (Extended)**

Acceptance notification: February 15, 2012

Deadline for camera ready papers: March 14, 2012