



The 5th International Conference on Internet and Distributed Computing Systems (IDCS 2012)

November 21-23, 2012, Wu Yi Shan, Fujian, China

IDCS 2012 is the fifth in its series to promote research in diverse fields related to Internet and Distributed Computing Systems. The emergence of Web as a ubiquitous platform for innovations has laid the foundation for the rapid growth of the Internet. Side-by-side, the use of mobile and wireless devices such as PDA, laptop, and cell phones for accessing the Internet has paved the ways for related technologies to flourish through recent developments. In addition, the popularity of sensor networks is promoting better integration of the digital world with physical environment.

In IDCS 2012, we are interested in receiving innovative papers on emerging technologies related to Internet and distributed systems to support the effective design and efficient implementation of high-performance computer networks. The target audience includes researchers and industry practitioners those are interested in different aspects of the Internet and distributed systems, with a particular focus on the practical experiences with the design and implementation of related technologies as well as their theoretical perspectives.

Topics of Interest

The topics of interest are organised into 5 major tracks:

Track 1: Ad Hoc and Sensor Networks

- Middleware for Wireless Sensor Networks
- Networked Sensing and Control
- Sensor Fusion, Tracking and Localisation
- Embedded Software for Sensor Networks
- Environmental Sensing Applications
- Body Sensor Networks
- Vehicular Ad-Hoc Networks

Track 2: Internet and Web Technologies

- Internet Architectures and Protocols
- Modeling and Evaluation of Internet-based Systems
- Internet Quality of Service

- Real-time Multimedia Communication Systems
- Web services and Mash-ups

Track 3: Network Operations & Management

- Energy Efficiency in Large-scale Distributed Systems
- Security of Network-based Systems
- Network-based Applications (VoIP, Streaming)
- Network Traffic Engineering
- Tools and Techniques for Network Measurements

Track 4: Information Infrastructure

- Next Generation Content Delivery Network
- Grid, Cloud, and P2P Computing
- Distributed Computing Applications
- Autonomic Computing
- Computational Economy for Distributed Systems

Track 5: Resilience, Fault tolerance, and Availability

- Fault Tolerant and Self-managing Distributed Systems
- Dependability and Dependable Systems
- Computing Models for Resilient Distributed Systems
- Principles for Resilient Software Architecture
- Availability Design

Web Site and Contact Email for Inquiries

website: <http://www.cloudbus.org/cdn/idcs12/>

email: idcs2012@easychair.org

Submission Guidelines

Original papers from the above-mentioned or other related areas will be considered. Papers should be submitted electronically in PDF via the conference Web site at <http://www.cloudbus.org/cdn/idcs12/>. Each submitted paper should follow Springer LNCS proceedings paper template. The length of all submitted papers will have 14 pages limit, including all figures, appendix, and references, etc. Submitted papers may not have appeared in or be under consideration for another workshop, conference or a journal, nor may they be under review or submitted to another forum during the review process. Each submission will be reviewed by the members of the TPC and external reviewers.

Publication

The conference proceedings will be published as Springer Lecture Notes in Computer

Science, and will be made available to all conference registrants on site. All papers will also be electronically available through SpringerLink Database, and professionally indexed through SCI and EI. Extended and enhanced versions of top-quality selected papers from the workshop will be invited for submission on a fast-track basis for special issues in:

- Future Generation Computer Systems Journal
- Concurrence and Computation: Practice and Experience
- Journal and Computer and System Sciences
- Journal of Internet Technology
- Telecommunication Systems
- Journal of Internet and Distributed Computing Systems (JIDCS)

Registration

Each paper selected for inclusion in the proceedings must be registered for IDCS 2012. Each paper has to be presented in person by the main author, or one of the authors.

Important Dates

Submission Due: June 24, 2012

Acceptance Notification: August 10, 2012

Camera-ready Copy Due: September 2, 2012

Conference: November 21-23, 2012

Organization

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