Overview

“Health, Collaboration, Innovation, and Sustainability” are the main melody of our era. The Internet, including widespread use of mobile and wireless devices, has grown as a ubiquitous infrastructure to support the fast development of diversified services. The advents of the Internet of Things, cyber-physical systems, and big data are creating a new technology revolution, i.e. next generation of internet or industry 4.0. The integration of the digital world with the physical environment makes our world more intelligent and efficient. Large-scale networked intelligent systems require higher cooperation and interoperation of heterogeneous IoT platforms. Therefore, this conference focuses on emerging models, paradigms, technologies and novel applications related to Internet-based distributed systems, including Internet of Things, cyber-physical systems, wireless sensor networks, next-generation collaborative systems, extreme-scale networked systems, and cloud-based big data systems. The target audience includes researchers, PhD students and practitioners that have a general interest in the different aspects of the Internet and Distributed Computing Systems with a more specific focus on practical and theoretical aspects of the cyber-physical systems built with the integration of computer networks, distributed systems, wireless sensor technology and innovative human-computer interfaces. The conference also has a special interest in novel applications that facilitate the design, deployment and management in complex real-life systems, such as e-Health, transport and logistics, smart cities and manufacturing.

Topics of Interest

- Large-scale Distributed Computing Systems
- Future Internet and Web Services
- Industrial Internet of Things
- Wireless Sensing and Controlling Networks
- Body Sensor Networks & Wearable Devices
- Social Internet of Things
- Security of networked systems
- Resilience, Fault tolerance, and Availability
- Sensor Fusion, Tracking and Localization
- Software Defined Networks
- Cloud Technology
- Network Topology and Protocols
- Large-scale RFID Systems
- Big Data Technology in Distributed Systems
- Networked Systems and Management
- Distributed Scheduling and Optimization
- Networked transportation and Logistics
- Intelligent Manufactures

Submission of Papers

Original papers (12 pages max) from the above-mentioned or other related topics will be considered. All papers should be in English and submitted electronically in PDF at https://easychair.org/conferences/?conf=icds2016. 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. The organizer offers two grants to PhD students to cover travel and accommodation costs. One best paper and one best student paper will be selected during the conference.

Publications

The conference proceedings will be published as Springer Lecture Notes in Computer Science (LNCS). All contributions will also be electronically available through Springer Link Database and will be indexed through ISI Conference Proceedings Citation Index - Science (CPCI-S), EI, Scopus, ACM Digital Library, DBLP, and Google scholar. Authors of selected conference papers will be invited to submit an extended paper to Special Issues that will be organized in reputed journals (SCI-indexed).

Important Dates

Conference papers submission: May 1, 2016. May 15, 2016
Notifications of paper acceptance: June 1, 2016. June 6, 2016
Camera-ready copy and copyright form: June 30, 2016