



DSA 2017

Fourth International Conference on Dependable Systems and Their Applications

Beijing, China
October 19-22, 2017



DSA 2017 is a combination of the Fourth International Conference on Trustworthy Systems and Their Applications (TSA) and the Third International Symposium on Dependable Computing and Internet of Things (DCIT). In the past, both TSA and DCIT were technically sponsored by the IEEE Reliability Society. Following the same tradition, DSA 2017 also has the same technical sponsorship from IEEE. It is organized by the Technology and Engineering Center for Space Utilization at the Chinese Academy of Sciences. In addition, the conference receives support from Dalian University of Technology and Wuhan University of Technology. DSA 2017 focuses on innovative methodologies, techniques, tools, management, and applications to produce dependable and trustworthy systems and their applications in a more cost-effective way. It provides a discussion forum to bring together academic researchers, industry practitioners, and government policy and decision makers to exchange ideas and results, share experiences, and explore possible solutions to overcome current challenges.

TOPICS OF INTEREST

- ◆ Algorithms, Architecture, Framework, Design Patterns and Maintenance for Dependable Systems and Software
- ◆ Security, Threats, Privacy, Safety, and Risk Management
- ◆ Dependability and Reliability Modeling and Measurement
- ◆ Fault Tolerance, Survivability, Resilience, and Availability
- ◆ Metrics, Measurement, and Quality Assessment
- ◆ Requirements, Process, Standards, Productivity, and Project Management
- ◆ Quality Assurance, Maintenance, and Reverse Engineering and Re-Engineering
- ◆ Verification, Validation, Testing, Analysis, Debugging, Model Checking, and Program Repair
- ◆ Formal Methods and Theories
- ◆ Communication, Networking, Optimization, and Performance
- ◆ Pervasive, Ubiquitous, Service-Oriented, and Clouding Computing
- ◆ Collaborative, Distributed, Embedded, Real-Time, High Performance, Highly Dependable, Intelligent, Multimedia Systems
- ◆ Big Data and Storage
- ◆ Prognostics and Health Management
- ◆ IoT, Supply Chain, Cyber-physical Systems, Industry 4.0 and Smart City
- ◆ Empirical Studies, Benchmarking, and Industrial Best Practices
- ◆ Applications and Tools and Automation

IMPORTANT DATES

- ◆ August 25, 2017: Regular and short papers due (Extended)
- ◆ September 15, 2017: Author notification (Extended)
- ◆ September 25, 2017: Camera-ready due (Extended)
- ◆ October 19-22, 2017: Conference dates

SUBMISSION

Papers related to the topics of interests are solicited. Submissions must not have been published or be concurrently considered for publication elsewhere. There are three types of submissions: Regular Paper (10 pages), Short Paper (6 pages), and Industry Track (2 pages). Papers should be written in English and submitted in PDF file. Each submission must include the title of the paper, the name and affiliation of each author, a 150-word abstract, and up to 6 keywords. The format of your submission must follow the [IEEE conference proceedings format](#).

CONFERENCE PROCEEDINGS

The conference proceedings will be published by IEEE Computer Society Conference Publishing Services (CPS). Papers presented at the conference will also be submitted for inclusion into the IEEE Xplore and to all of the A&I (abstracting and indexing) partners (such as the Ei Compindex).

ORGANIZING COMMITTEE

- | | | |
|---------------------------|-----------------|---|
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For more detailed and updated information, please refer to <http://paris.utdallas.edu/dsa17>, or contact Local Chair, Professor Jinbo Wang at wangjinbo@csu.ac.cn.