



Ninth International Conference on Dependable Systems and Their Applications Wulumuqi, China, August 4-5, 2022

In 2017, the International Conference on Trustworthy Systems and Their Applications (TSA) and the International Symposium on Dependable Computing and Internet of Things (DCIT) were merged into one large conference and renamed as the International Conference on Dependable Systems and Their Applications (DSA). This year will be the sixth meeting after the merge. In the past, both TSA and DCIT were technically sponsored by the IEEE Reliability Society. Following the same tradition, DSA 2022 also has the same technical sponsorship from IEEE. The focus is on innovative methodologies, techniques, tools, and management to produce dependable and trustworthy systems and their applications in a more cost-effective way. It provides an opportunity for 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 Modelling and Measurement
- ◆ Fault Tolerance, Survivability, Resilience, and Availability
- ◆ Metrics, Measurement, and Quality Assessment
- ◆ Requirements, Process, Standards, Productivity, and Project Management
- ◆ Quality Assurance, Maintenance, 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 Cloud 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
- ◆ Approaching Artificial Creativity

IMPORTANT DATES

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|-----------------|----------------------------|----------------------|--------------------------------|
| ◆ May 1, 2022 | Regular & Short Papers due | ◆ July 1, 2022 | Camera-ready and copyright due |
| ◆ May 15, 2022 | Workshop Papers due | ◆ July 1, 2022 | Author registration due |
| ◆ June 1, 2022 | Fast Abstracts due | ◆ August 4 - 5, 2022 | Conference dates |
| ◆ June 15, 2022 | Author notification | | |

SUBMISSION

There are four types of submissions:

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|-----------------|----------|------------------|----------|
| ◆ Regular Paper | 12 pages | ◆ Fast Abstract | 2 pages |
| ◆ Short Paper | 10 pages | ◆ Workshop Paper | 10 pages |

Submit original papers (not published or submitted elsewhere). Each submission must include the title of the paper, the name and affiliation of each author, and up to 6 keywords. Regular, short, and workshop papers should also have a 150-word abstract. All papers should be written in English and submitted as a PDF file. Authors must follow the required [DSA proceedings format](#). At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at <https://dsa.techconf.org>

CONFERENCE PROCEEDINGS & SCI JOURNAL PUBLICATION

The conference proceedings will be published by the IEEE 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 Compendex). Papers of top quality will be invited to submit their extended versions to a special section of the IEEE Transactions on Reliability.

ORGANIZING COMMITTEE

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|------------------|-----------------|---|
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GENERAL INQUIRIES

For more detailed and updated information, please refer to <https://dsa.techconf.org/> or send emails to [DSA Secretariat](#).