

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 fifth meeting after the merge. In the past, both TSA and DCIT were technically sponsored by the IEEE Reliability Society. Following the same tradition, DSA 2021 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, 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 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

- ◆ **May 31, 2021** Regular & Short Papers due (extended)
- ◆ June 10, 2021 Workshop Papers due
- ◆ June 10, 2021 Fast Abstracts due
- ◆ July 1, 2021 Author notification
- ◆ July 15, 2021: Camera-ready and copyright due
- ◆ July 15, 2021: Author registration due
- ◆ August 5-6, 2021 Conference dates

### SUBMISSION

There are four types of submissions:

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|-----------------|----------|------------------|----------|
| ◆ Regular Paper | 12 pages | ◆ Fast Abstract  | 2 pages  |
| ◆ Short Paper   | 6 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](https://dsa.techconf.org). At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at <https://dsa.techconf.org>

### CONFERENCE PROCEEDINGS

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 issue of the Journal of Systems and Software (JSS) published by Elsevier.

### ORGANIZING COMMITTEE

- |                 |                     |                                                   |
|-----------------|---------------------|---------------------------------------------------|
| ◆ General Chair | Fevzi Belli         | University of Paderborn, Germany                  |
| ◆ General Chair | Wenxing Bao         | North Minzu University, China                     |
| ◆ Program Chair | Mohammad Zulkernine | Queen's University, Canada                        |
| ◆ Program Chair | Tao Zhang           | Macau University of Science and Technology, China |

### GENERAL INQUIRIES

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