ISSSR 2023

The 9th International Symposium on System Security, Safety, and Reliability
June 10-11, 2023 • Hangzhou, China

Security, safety, and reliability are the three most important attributes of a system. This is especially the case for mission-critical and life-threatening systems. While security prevents systems from being attacked via potential vulnerabilities, safety ensures systems do not end at any undesired state and cause unacceptable consequences. Reliability is the probability of failure-free system operation for a given period of time in a specified environment. As the complexity of many systems continues to grow, how to ensure security, safety, and reliability becomes absolutely imperative. Not only do the existing technologies and tool supports need to be enhanced, but we also need new strategies and approaches to satisfy more strict requirements on system security, safety, and reliability. This symposium gives scientists and engineers from both industry and academia a platform to present their ongoing work, relate their research outcomes and experiences, and discuss the best and most efficient techniques for the development of secure, safe, and reliable systems. It also provides an excellent opportunity for the academic community to become more aware of subject areas critical to the industry as practitioners bring their needs to the table. ISSSR 2023 will be held from June 10 to 11 in Hangzhou, China and organized by Zhejiang Sci-Tech University.

TOPICS OF INTEREST include, but are not limited to, the following that focus on system security, safety, and reliability:

- ◆ Requirements, Architecture, and Design
- ◆ Measurement, Estimation, and Predication
- ◆ Modeling and Optimization
- ◆ Analysis, Simulation, and Validation
- ◆ Formalization and Verification
- ◆ Testing and Quality Assurance
- ◆ Fault Tolerance and Diagnosis
- ◆ Process Improvement and Maintenance
- ◆ Redundancy and Performance Evaluation
- ◆ Data-Driven and AI/Machine Learning Techniques
- ◆ Benchmark and Tools
- ◆ Industrial Applications and Empirical Studies

IMPORTANT DATES

- ◆ April 10, 2023 — Regular & Short Papers due
- ◆ April 10, 2023 — Fast Abstract, Workshop Papers & Industry Track due
- ◆ May 20, 2023 — Author notification
- ◆ May 26, 2023 — Camera-ready and copyright due
- ◆ May 26, 2023 — Author registration due
- ◆ June 10-11, 2023 — Conference dates

SUBMISSION

There are five types of submissions:

- ◆ Regular Paper — 12 pages
- ◆ Short Paper — 10 pages
- ◆ Industry Paper — 2 pages
- ◆ Fast Abstract — 2 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 ISSSR proceedings format. At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at https://isssr23.techconf.org/submission

CONFERENCE PROCEEDINGS

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 a selected SCI journal.

ORGANIZING COMMITTEE

- ◆ Honorary Chair — Wenhua Chen — Zhejiang Sci-Tech University, China
- ◆ General Chair — Henrique Madeira — University of Coimbra, Portugal
- ◆ General Chair — Min Xie — City University of Hong Kong, China
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- ◆ Program Chair — Yu Liu — University of Electronic Science and Technology of China, China
- ◆ Program Chair — Liyang Xie — Northeastern University, China

GENERAL INQUIRIES

For more detailed and updated information, please refer to https://isssr.techconf.org/ or send emails to ISSSR Secretariat.