



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. In response to this challenge, the Steering Committee of ISSSR has decided to change the conference name from *International Symposium on System and Software Reliability* to *International Symposium on System Security, Safety, and Reliability*. The acronym is still the same, but the full name has been slightly modified to emphasize the importance of security, safety, and reliability of many systems.

This symposium provides 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 represents 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 2022 will be held from October 27 - 28, 2022 in Chongqing organized by Southwest Jiaotong 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

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|-----------------------|-------------------------------------|
| ◆ August 15, 2022 | Regular & Short Papers due |
| ◆ September 1, 2022 | Fast Abstract & Workshop Papers due |
| ◆ October 1, 2022 | Author notification |
| ◆ October 10, 2022 | Camera-ready and copyright due |
| ◆ October 10, 2022 | Author registration due |
| ◆ October 27-28, 2022 | Conference dates |

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 [ISSSR proceedings format](https://issr22.techconf.org/submission). At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at <https://issr22.techconf.org/submission>.

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 Compindex). Papers of top quality will be invited to submit their extended versions to a special issue of a selected SCI journal.

ORGANIZING COMMITTEE

- | | | |
|--------------------|-----------------|--|
| ◆ General co-Chair | Franz Wotawa | Graz University of Technology, Austria |
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GENERAL INQUIRIES

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