



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 in 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 support 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 2025 will be held on April 12-13 in Guiyang, China.

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

- ◆ Application of Artificial Intelligence, Machine Learning, and Deep Learning-based Techniques
- ◆ Large Language Models-based Applications
- ◆ Requirements, Architecture, and Design
- ◆ Measurement, Estimation, and Predication
- ◆ Modeling and Optimization
- ◆ Analysis, Simulation, and Validation
- ◆ Formalization and Verification
- ◆ Prognostics and Health Management
- ◆ Testing and Quality Assurance
- ◆ Fault Tolerance and Diagnosis
- ◆ Process Improvement and Maintenance
- ◆ Redundancy and Performance Evaluation
- ◆ Data-Driven Techniques
- ◆ Benchmark and Tools
- ◆ Industrial Applications and Empirical Studies

IMPORTANT DATES

- ◆ February 25, 2025 Regular & Short Papers due
- ◆ March 1, 2025 Workshop Papers, Fast Abstract, and Industry Track due
- ◆ March 25, 2025 Author notification
- ◆ April 1, 2025 Camera-ready due
- ◆ April 1, 2025 Author registration due
- ◆ April 12-13, 2025 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 manuscripts (not published or considered elsewhere). Each submission should include a title, the name and affiliation of each author, an abstract, and up to 6 keywords. The format must follow the [ISSSR proceedings format](#). At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at <https://issr25.techconf.org/submission>.

CONFERENCE PROCEEDINGS & SPECIAL ISSUES OF SCI JOURNALS

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). Authors of top-quality papers will be invited to submit their extended versions to special issues of selected SCI journals.

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GENERAL INQUIRIES

For more detailed and updated information, please refer to <https://issr.techconf.org/>. For paper submission, review, or other questions, please send emails to the [ISSSR Secretariat](#).