



Security, safety, and reliability are fundamental attributes of dependable systems, particularly for mission- and safety-critical applications where failures, vulnerabilities, or unsafe behavior can have serious consequences. While security protects systems against attacks, safety prevents hazardous system behavior, and reliability ensures failure-free operation under specified conditions. These attributes are increasingly interconnected and must be considered together throughout the system life cycle.

As systems become more complex, interconnected, intelligent, and autonomous, ensuring their security, safety, and reliability requires both advances in existing technologies and innovative new solutions. Emerging artificial intelligence (AI) technologies, including machine learning (ML), deep learning (DL), and large language models (LLMs), offer significant opportunities to support these advances, while also introducing new challenges to the trustworthiness and dependability of AI-enabled systems.

ISSSR provides a forum for researchers and practitioners from academia and industry to present their latest work, share experiences, and exchange ideas on technologies and solutions for secure, safe, and reliable systems. It also promotes academia-industry collaboration by connecting research advances with real-world needs and challenges.

ISSSR 2027 will be held on May 15-16, 2027, in Kunming, China.

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

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

IMPORTANT DATES

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|-------------------|-------------------------------------|
| ◆ April 1, 2027 | Regular & Short Papers due |
| ◆ April 10, 2027 | Fast Abstracts & Industry Track due |
| ◆ April 15, 2027 | Workshop Papers due |
| ◆ April 25, 2027 | Author notification |
| ◆ May 1, 2027 | Camera-ready due |
| ◆ May 1, 2027 | Author registration due |
| ◆ May 15-16, 2027 | Conference dates |

SUBMISSION

There are five types of submissions:

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|------------------|----------|------------------|----------|
| ◆ Regular Paper | 12 pages | ◆ Fast Abstract | 2 pages |
| ◆ Short Paper | 10 pages | ◆ Workshop Paper | 10 pages |
| ◆ Industry Paper | 2 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 of your submission 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://issr27.techconf.org/submission>.

CONFERENCE PROCEEDINGS & SPECIAL ISSUES OF SCI JOURNALS

Conference proceedings will be published by the IEEE Conference Publishing Services (CPS). Accepted papers will also be submitted for possible inclusion in the IEEE Xplore and Ei Compendex. In addition, they will appear in Scopus, Google Scholar, and the DBLP database.

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 the [conference website](#). For paper submission, review, or other questions, please send emails to the [ISSSR Secretariat](#).