



Software and system reliability is the probability of failure-free software and system operation for a given period of time in a specified environment. Many critical systems such as those used in nuclear power plants, transportation, aeronautics, and astronautics are required for reliable operations without failures during their service. 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 reliable, secure, and trustworthy systems. It also represents an excellent opportunity for the academic community to become more aware of subject areas critical to the software industry as practitioners bring their needs to the table. The 2021 ISSSR will be held from September 23-24, 2021 in Chongqing, China sponsored by IEEE Reliability Society and organized by Southwest Jiaotong University.

TOPICS OF INTEREST

- ◆ Architecture and design-based reliability and performance
- ◆ Formalization and verification
- ◆ Fault tolerance and diagnosis
- ◆ Process improvement and maintenance
- ◆ Quality and safety
- ◆ Redundancy technology
- ◆ Reliability analysis and optimization
- ◆ Reliability measurement, estimation, and predication
- ◆ Reliability modelling and validation
- ◆ Reliability requirement and growth models
- ◆ Testing and simulation
- ◆ Trustworthy evaluation
- ◆ Data-driven reliability model design
- ◆ Machine learning related to reliability

IMPORTANT DATES

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|-------------------------|-------------------------------------|
| ◆ August 1 2021 | Regular & Short Papers due |
| ◆ August 10, 2021 | Fast Abstract & Workshop Papers due |
| ◆ September 5, 2021 | Author notification |
| ◆ September 12, 2021 | Camera-ready and copyright due |
| ◆ September 12, 2021 | Author registration due |
| ◆ September 23-24, 2021 | 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://issr.techconf.org). At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at <https://issr.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 a selected SCI journal.

ORGANIZING COMMITTEE

- | | | |
|-----------------|-----------------|--|
| ◆ General Chair | Shaoying Liu | Hiroshima University, Japan |
| ◆ General Chair | Manzhong Xu | Hechuan District, Chongqing, China |
| ◆ Program Chair | Lance Fiondella | University of Massachusetts Dartmouth, USA |
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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@ieee.org).
