

ISSSR 2021: The 7th International Symposium on System and Software Reliability

W. Eric Wong
Steering Committee Chair of ISSSR
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The 7th International Symposium on Systems and Software Reliability (ISSSR 2021) is technically sponsored by the IEEE Reliability Society and organized by Southwest Jiaotong University. It was originally planned as an in-person onsite meeting in Chongqing, China on September 23 and 24. Due to the ongoing COVID-19 pandemic that has imposed many travel constraints, the organizing committee decided to move the entire event to a virtual mode using Zoom video conferencing tool.

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.

ISSSR 2021 received 67 submissions. Each paper was evaluated by at least three program committee members based on its originality, contribution, soundness, presentation, and relatedness. In addition to the written comments, an extensive online discussion was conducted and monitored by the Program Chairs before an acceptance or a rejection decision was made. Of these submissions, 15 were accepted as regular papers. The acceptance rate is 22.28%. An additional eight submissions were accepted as short papers. The conference also had a fast abstract session for authors to report ongoing work, describe practical experiences, introduce new ideas to promote further validation, or state positions on controversial issues. A co-located workshop on *Intelligent Software Engineering* was held as well. Accepted papers were published in the conference proceedings, which are available in the IEEE Digital Library. Authors of selected papers of the top quality were invited to submit extended versions of their work to a special issue of the *Journal of Internet Technology*.

More details can be found on the conference website <http://issr.techconf.org>

ISSSR 2021 had two keynote speeches:

- *Reliability of Artificial Intelligence in Healthcare Systems: Opportunities, Issues, and Directions* by Dr. Hualei Shen, Professor and Director, College of Computer and Information Engineering, Henan Normal University
- *Artificial Intelligence in Ultrasound Imaging: Developments, Challenges, and Future Prosperity* by Dr. Xun Gong, Professor and Director, School of Computing and Artificial Intelligence, Southwest Jiaotong University



Opening Ceremony of ISSSR 2021 on September 23, 2021

From top left to right: Professor Shaoying Liu (General Chair), Professor Qiang Miao (Vice President of IEEE Reliability Society for Membership), Professor Hualei Shen (Keynote Speaker), Professor W. Eric Wong (Steering Committee Chair), Professor Yuanshun Dai (Steering Committee Member), Professor Xun Gong (Keynote Speaker), and Professor Lance Fiondella (Program Chair)

We thank all the members of the organizing committee, program committee, and local committee for their support. We also give a special acknowledgment to *Zhengzhou University of Light Industry* for its sponsorship. Last but certainly not least, we thank authors and conference attendees for their participation during this difficult time.

General Chairs of ISSSR 2021

Professor Shaoying Liu, *Hiroshima University, Japan*

Dr. Manzhong Xu, *Hechuan District Government, Chongqing, China*

Program Chairs of ISSSR 2021

Professor Lance Fiondella, *University of Massachusetts Dartmouth, USA*

Professor Xiwei Qiu, *University of Electronic Science and Technology of China, China*

Steering Committee Chair of ISSSR 2021

Professor W. Eric Wong, *University of Texas at Dallas, USA*