

DSA 2023: The 10th International Conference on Dependable Systems and Their Applications

August 10-11, 2023
Tokyo, Japan
<https://dsa23.techconf.org/>

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DSA 2023 – *The Tenth International Conference on Dependable Systems and Their Applications* was held in-person for the first time after three consecutive online virtual meetings from 2020 to 2022 due to the COVID19 pandemic. Following the same tradition, DSA 2023 was technically sponsored by the IEEE Reliability Society. It was organized by Waseda University and held in Tokyo, Japan, on August 10 and 11.

The conference provides a platform for scientific researchers, university faculty and students, as well as industry practitioners to exchange their ideas and methodologies on how to develop dependable systems in a more cost-effective way, and to discuss their experiences in using these systems in practice. This year the conference received 125 submissions. A few papers were desk rejected because of incomplete submission or out of scope. Each of the remaining papers was peer reviewed by three program committee members. Based on their written comments and a follow-up online discussion among the reviewers, thirty-one were accepted as regular papers. The acceptance rate was 24.80%. The conference also accepted some submissions as short papers. With respect to the Fast Abstract Track and workshops, submissions were evaluated separately. Only papers of high quality were accepted for presentations at the conference.

In addition to the presentation of regular and short research papers, fast abstracts, and workshop papers, the conference also had two keynote speeches:

- *Testing Autonomous Driving Functions – Current Research, Challenges, and Limitations* by Professor Franz Wotawa, Institute of Software Technology, Graz University of Technology, Austria



- *A Unification of Software Reliability Models via Non-homogeneous Markov Processes* by Professor Tadashi Dohi, School of Informatics and Data Science, Hiroshima University, Japan



We would like to give special thanks to the DSA 2023 General Chairs (Professor Hironori Washizaki from Waseda University, Japan and Professor Gordon Fraser from University of Passau, Germany), Program Chairs (Professor Rui Maranhão from University of Porto, Portugal and Professor Ying Qian from Chongqing University of Posts and Telecommunications, China), all the members of the organizing committee, program committee, and the local arrangement committee for their support.

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