# **VALID 2022**

## Forward

The Fourteenth International Conference on Advances in System Testing and Validation Lifecycle (VALID 2022), held between October 16<sup>th</sup> and October 20<sup>th</sup>, 2022, continued a series of events focusing on designing robust components and systems with testability for various features of behavior and interconnection. The conference provided a forum where researchers were able to present recent research results and new research problems and directions related to them. The conference sought contributions presenting novel result and future research in all aspects of robust design methodologies, vulnerability discovery and resolution, diagnosis, debugging, and testing.

Complex distributed systems with heterogeneous interconnections operating at different speeds and based on various nano- and micro-technologies raise serious problems of testing, diagnosing, and debugging. Despite current solutions, virtualization and abstraction for large scale systems provide less visibility for vulnerability discovery and resolution, and make testing tedious, sometimes unsuccessful, if not properly thought from the design phase.

The conference considered the concepts, methodologies, and solutions dealing with designing robust and available systems. Its targeted aspects related to debugging and defects, vulnerability discovery, diagnosis, and testing.

We take here the opportunity to warmly thank all the members of the VALID 2022 technical program committee, as well as all the reviewers. The creation of such a high-quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to VALID 2022. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the VALID 2022 organizing committee for their help in handling the logistics of this event.

We hope that VALID 2022 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of systems testing and validation.

## VALID 2022 Chairs

### VALID 2022 Steering Committee

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