

RAS IN AUTOMOTIVE



A new international industry-focused summit that brings together academic researchers and industry technology leaders to share their vision and thought-leadership on the toughest Reliability, Availability and Serviceability (RAS) challenges facing the automotive market now and in the future. Emphasizing end-use and market ready solutions, RAS in Automotive is sponsored by the IEEE Computer Society in coordination with the Test Technology Technical Community (TTTC).

Topic Areas – You are invited to participate and submit your contributions to the RAS Summit. The workshop’s areas of interest include (but are not limited to) the following topics:

- Automotive Design-for-Test: enable high quality at low cost
- Dependability challenges of autonomous driving and e-mobility
- Functional safety and cyber-security
- Verification and validation of automotive systems
- Reuse of test infrastructure and New Product Development acceleration
- Monitoring Silicon Lifecycle management
- Advanced packaging and Chiplet technology
- Reliability of Power modules for Automotive
- Reliability of AI Architectures for Automotive

Submission Instructions – The Summit looks for submission of regular contributions or special session proposals.

- **Regular papers:** 1-page abstract describing a single work addressing a relevant topic for the summit.
- **Special sessions:** 1-page abstract describing a specific special session, which could be in the form of panel discussion or proposing a set of three contributions connected by a relevant topic for the summit.

Submitted abstracts will be reviewed by a committee of renowned experts in the field and will be shortlisted. Authors of each shortlisted abstract are required to attend the workshop in-person for oral presentation(s). Outstanding contributions will be highlighted on [COMPUTER.ORG](https://www.computer.org).

Publications – The workshop will make available to all participants an Electronic Workshop Digest, which includes the material that authors are willing to provide (papers, presentations, videos, etc.).

Key dates –

- Submission deadline : **October 25, 2024**
- Notification of acceptance : **November 12, 2024**

Organizers – include but not limited to:

Steering Chairs

Jyotika Athavale
Synopsys (US)
IEEE Computer Society

Yervant Zorian
Synopsys (US)

General Chairs

Stefano Di Carlo
Politecnico di Torino (IT)

Nir Maor
Qualcomm (US)

Program Chairs

Paolo Bernardi
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Davide Appello
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