

6th European Workshop on Automotive, Reliability, Test & Safety (eARTS)

Chania, Greece
May 28 - 29, 2026

cas.polito.it/eARTS



Call for Contributions

Automotive electronics is an essential part of the semiconductor industry, especially with the advent of the autonomous driving. People will become 100% dependent on the proper operation of the electronic systems. The **6th European Automotive Reliability, Test and Safety Workshop (eARTS)** intends to focus on test, reliability, and safety of automotive electronics, including IC design, test development, generative AI, system-level integration, production testing, in-field test, diagnosis and repair solutions, cybersecurity, as well as architectures and methods for reliable, safe, and secure operation in the field. The eARTS Workshop offers a forum for **industry specialists** and **academic researchers** to present and discuss these challenges and emerging solutions.

Topics: You are invited to participate and submit your contributions to the eARTS Workshop. The Workshop's areas of interest include (but are not limited to) the following topics:

- **Generative AI for Automotive**
- **Automotive Design-for-Test: enable high quality at low cost**
- **Statistical post-processing, Machine Learning, and AI for test and reliability**
- **Latent defect activation during production testing**
- **Built-In Self-Test in automotive systems: digital, analog, mixed-signal**
- **Reuse of test infrastructure and New Product Development acceleration**
- **Dependability challenges of autonomous driving and e-mobility**
- **Functional safety and cyber-security**
- **Automotive standards and certification - ISO 26262, AEC-Q100**
- **Approximate computing for automotive**
- **Verification and validation of automotive systems**
- **Fault tolerance and self-checking circuits**
- **Aging effects on automotive electronics**
- **Power-up, power-down and periodic test**
- **System level test**
- **Functional and structural test generation**
- **Automotive production testing**
- **DPPB prediction models**

Submissions: eARTS'26 Workshop seeks for contributions of following types:

- **Work-In-Progress**, up to 2 pages
- **Extended abstracts**, up to 4 pages

Longer submissions will also be considered. Detailed submission instructions can be found at the Workshop's website: <https://cas.polito.it/eARTS/>. All submissions will be evaluated for selection with respect to their suitability for the workshop, originality, technical soundness, and presented results, if any. Selected submissions can be accepted for regular or short presentation at the Workshop.

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	March 8, 2026
Notification of acceptance	April 3, 2026
Author registration	April 20, 2026

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