

31st Ada-Europe International Conference on Reliable Software Technologies (AEiC 2027)

8-11 June 2027, Berlin, Germany

<https://www.ada-europe.org/conference2027>

General chairs

Hubert B. Keller,
ci-tec GmbH
Erhard Plödereder,
Universität Stuttgart
Detlef Streitferdt,
TU Ilmenau
Christina Unger,
OKAPI:Orbits GmbH

Journal track co-chairs

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Luis Miguel Pinho,
Technical University of Porto

Paper track chair

Erhard Plödereder

Industrial track chair

Peter Dencker,
HS Karlsruhe

Exhibition & sponsorship co-chairs

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Publicity chair

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Local chair

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General Information

The **31st Ada-Europe International Conference on Reliable Software Technologies (AEiC 2027)** will take place in Berlin, Germany. The conference schedule comprises keynote talks, a journal track, an industrial track, a regular papers track, a work-in-progress track, a vendor exhibition, parallel tutorials, and satellite workshops.

- Journal track papers present journal-level research advances supported by solid theoretical foundation and thorough evaluation.
- Regular track papers present conference-level (full paper) research advances.
- Industrial track contributions highlight industrial open challenges and/or the practitioners' side of a challenging case study or industrial project.
- Work-in-progress track papers illustrate novel research ideas that are still at an initial stage, between conception and first prototype.
- Tutorials guide attenders through a hands-on familiarization with innovative developments or with useful features related to reliable software.
- Workshops provide discussion forums on the conference topics.
- Company presentations and exhibitions to showcase products and services.

Schedule

25 January 2027	Deadline for submission of journal track papers
8 February 2027	Deadline for submission of industrial track abstracts, regular track papers, and tutorial and workshop proposals
15 March 2027	First round notification for journal track papers, and notification of acceptance for all other types of submissions
22 March 2027	Deadline for submission of work-in-progress papers
5 April 2027	Notification for work-in-progress papers

Scope and Topics

The conference is a leading international forum for providers, practitioners, and researchers in reliable software technologies. The conference presentations will illustrate current work in the theory and practice of the design, development, and maintenance of long-lived, high-quality software systems for a challenging variety of application domains. The program will allow ample time for keynotes, Q&A sessions, discussions, and social events. Participants include practitioners and researchers from industry, academia, and government organizations active in the promotion and development of reliable software technologies.

The topics of interest for the conference include but are not limited to:

- Cyber Security
- Safe and secure software for critical systems and infrastructures
- High-integrity systems and reliability
- Software and AI for space missions, e.g. Artemis
- AI for safety-critical and high-integrity systems engineering and applications
- Automated coding for real-time and embedded systems
- Ada language and technologies
- SPARK, Rust and formally verified systems
- Formal methods, testing, and model-based engineering of critical systems
- Applications and experimental evaluations in relevant domains

More specific topics and submission methods are described on the conference web page.



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Detailed instructions for submissions

Please consult <https://www.ada-europe.org/conference2027/submissions.html> for detailed information about all submission processes.

Call for Journal Track Submissions

The conference includes a journal track, which seeks original and high-quality papers, not submitted elsewhere, which describe mature research work on the conference topics. Accepted journal track papers will be published in a Special Issue of Elsevier's *Journal of Systems Architecture* (JSA) (<https://www.sciencedirect.com/journal/journal-of-systems-architecture>, Q1 ranked, CiteScore 10.5, impact factor 4.1). Contributions should not exceed 25 pages (in case the authors need more pages the journal track chairs need to be contacted). JSA has adopted the Virtual Special Issue model to speed up the publication process, where Special Issue (SI) papers are published in regular issues but marked as SI papers. Acceptance decisions are made on a rolling basis. Therefore, authors are encouraged to submit papers early and need not wait until the submission deadline. Authors who have successfully passed the first round of review (including major revisions) will be invited (and required) to present their work at the conference.

Call for Regular Track Submissions

The conference includes a regular track, which seeks proceedings-level, original and high-quality submissions, not submitted elsewhere, which describe mature research work on the conference topics. Accepted papers presented at the conference will be published in the *Open Access Series in Informatics* (OASICS series: <https://drops.dagstuhl.de/entities/series/OASICS>) and should not exceed 16 pages, excluding references.

Call for Industrial Track Submissions

The conference seeks industrial-practitioner presentations that deliver insight into the challenges of developing reliable software. Especially welcome kinds of submissions are listed on the conference web site. Given their applied nature, such contributions will be subject to a peer-review process by practitioners. Interested authors shall submit a 2-page abstract. Authors will also be invited to expand their contributions into full-fledged articles for publication in the *Ada User Journal* (www.ada-europe.org/auj/home), which will form the proceedings of the industrial track of the Conference.

Call for Work-in-progress Track Submissions

The work-in-progress (WiP) track seeks two kinds of submissions: (a) ongoing research and (b) early-stage ideas. Ongoing research submissions are 4-page papers describing research results that are not mature enough to be submitted to the journal or regular tracks. Early-stage ideas are 1-page summaries that pitch new research directions within the scope of the conference. Both kinds of submissions must be original and shall undergo anonymous peer review. Submissions by recent M.Sc. graduates and Ph.D. students are especially sought. Accepted contributions will be presented in the WiP track and their authors will be offered the opportunity to publish their contribution as an expanded 4-page article in the *Ada User Journal* (www.ada-europe.org/auj/home), which will form the proceedings of the WiP track of the conference.

Call for Tutorials

The conference seeks tutorials in the form of educational seminars on themes falling within the conference scope. Tutorial proposals shall include a title, an abstract, a description of the topic, an outline of the presentation, the proposed duration (half-day or full-day), the intended level of the contents (introductory, intermediate, or advanced), and a statement motivating attendance. If the tutorial has been presented elsewhere attendance numbers should be given. Tutorial proposals can be submitted at any time but no later than the deadline. The authors of accepted full-day tutorials with a minimum of 5 participants will receive a complimentary conference registration, halved for half-day tutorials. The *Ada User Journal* will offer space for the publication of summaries of the accepted tutorials.

Call for Workshops

The conference welcomes satellite workshops on themes that fall within the conference scope. Proposals may be submitted for half- or full-day events, to be scheduled on Tuesday or Friday of the AEiC conference. Workshop organizers shall also commit to producing the proceedings of the event, for publication in the *Ada User Journal*. Workshop proposals can be submitted at any time but no later than the deadline.

Call for Exhibitors and Sponsors

The conference seeks vendor and technology exhibits as well as event sponsors. Exhibitors and sponsors will be given the opportunity for presentation; details are available on request.

Venue

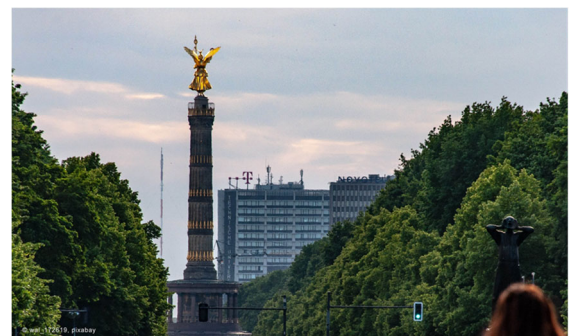


The conference will take place at the [Holiday Inn Berlin City-West](https://www.holidayinn.com/berlin-city-west), Rohrdamm 80, 13629 Berlin. Rooms have been set aside at the hotel. Attendees are urged to stay at the hotel.

Berlin is the capital of Germany. Thriving in the past, bombed, divided, reunited and reborn — Berlin's turbulent past gives it a unique energy.

With famous museums, a vibrant cultural scene, and diverse neighborhoods, German's capital feels both historic and forward-looking. Moreover, as the birthplace of Konrad Zuse and the first modern computer, Berlin is the perfect backdrop for bringing Europe's reliable software community together.

Berlin is easily reachable by train or national and international flights to one of its airports. The Berlin of today is a young and vibrant city and yet offers plenty of famous museums and historic landmarks like the Charlottenburg castle nearby.



Contact for any questions to the chairs: AEiC2027@ada-deutschland.de

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