

27th Ada-Europe

International Conference on Reliable Software Technologies (AEiC 2023)

13-16 June, Lisbon, Portugal

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General Information

The 27th Ada-Europe International Conference on Reliable Software Technologies (AEiC 2023) will take place in Lisbon, Portugal. The conference schedule comprises a journal track, an industrial track, a work-in-progress track, a vendor exhibition, parallel tutorials, and satellite workshops.

- Journal-track submissions present research advances supported by solid theoretical foundation and thorough evaluation.
- Industrial-track submissions highlight the practitioners' side of a challenging case study or industrial project.
- Work-in-progress-track submissions illustrate a novel research idea that is still at an initial stage, between conception and first prototype.
- Tutorial submissions guide attendees through a hands-on familiarization with innovative developments or with useful features related to reliable software.

Schedule

13 February 2023	Submission deadline for journal-track papers
27 February 2023	Submission deadline for industrial-track papers, work-in-progress papers, tutorial and workshop proposals
20 March 2023	First round notification for journal-track papers, and notification of acceptance for all other types of submissions
13-16 June 2023	Conference

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 and 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:

- Formal and model-based engineering of critical systems
- Real-Time Systems
- High-Integrity Systems and Reliability
- Ada Language
- Applications in a variety of domains

More specific topics are described on the conference web page.



Call for Journal-track Submissions

Following a journal-first model, this edition of the conference again includes a journal track, which seeks original and high-quality papers that describe mature research work on the conference topics. Accepted journal-track papers will be published in the "Reliable Software Technologies (AEiC2023)" Special Issue of JSA -- the *Journal of Systems Architecture* (Scimago Q1 ranked, impact factor 5.936).

General information for submitting to the JSA can be found at the *Journal of Systems Architecture* website. The submission link will be available on the conference web page. Contributions must be submitted by **13 February 2023**. JSA has adopted the Virtual Special Issue model to speed up the publication process, where Special Issue 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 will be invited to present their work at the conference. Please note that the AEiC 2023 organization committee will waive the Open Access fees for the first four accepted papers, which do not already enjoy OA from personalized bilateral agreements with the Publisher. Subsequent papers will follow JSA regular publishing track. Prospective authors may direct all enquiries regarding this track to the corresponding chair, Elena Troubitsyna (elenatro@kth.se).

Call for Industrial-track Submissions

The conference seeks industrial practitioner presentations that deliver insight on 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 dedicated practitioner-peer review process. Interested authors shall submit a one-to-two pages abstract, by **27 February 2023**, via EasyChair at <https://easychair.org/my/conference?conf=aeic2023>, selecting the "Industrial Track". The format for submission is strictly in PDF, following the *Ada User Journal* style. Templates are available at <http://www.ada-europe.org/auj/guide>.

The abstract of the accepted contributions will be included in the conference booklet. The corresponding authors will get a presentation slot in the prime-time technical program of the conference and will also be invited to expand their contributions into full-fledged articles for publication in the *Ada User Journal*, which will form the proceedings of the industrial track of the Conference. Prospective authors may direct all enquiries regarding this track to its chairs Alexandre Skrzyniarz (alexandre.skrzyniarz@fr.thalesgroup.com) and Sara Royuela (sara.royuela@bsc.es).

Call for Work-in-Progress-track Submissions

The work-in-progress 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 track. Early-stage ideas are 1-page papers that pitch new research directions that fall within the scope of the conference. Both kinds of submissions must be original and shall undergo anonymous peer review. Submissions by recent MSc graduates and PhD students are especially sought. Authors shall submit their work by **27 February 2023**, via EasyChair at <https://easychair.org/my/conference?conf=aeic2023>, selecting the "Work in Progress Track". The format for submission is strictly in PDF, following the *Ada User Journal* style. Templates are available at <http://www.ada-europe.org/auj/guide>.

The abstract of the accepted contributions will be included in the conference booklet. The corresponding authors will get a presentation slot in the prime-time technical program of the conference and will also be offered the opportunity to expand their contributions into 4-page articles for publication in the *Ada User Journal*, which will form the proceedings of the WiP track of the Conference. Prospective authors may direct all enquiries regarding this track to the corresponding chairs Bjorn Andersson (baandersson@sei.cmu.ed) and José Cecilio (jmcecelio@fc.ul.pt).

Call for Tutorials

The conference seeks tutorials in the form of educational seminars on themes falling within the conference scope, with an academic or practitioner slant, including hands-on or practical elements. 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. Tutorial proposals shall be submitted by e-mail to Tutorial and Education Chair, Luís Miguel Pinho (lmp@isep.ipp.pt), with subject line: "[AEiC 2023: tutorial proposal]". Tutorial proposals shall be submitted by **27 February 2023**. The authors of accepted full-day tutorials 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 centred on themes that fall within the conference scope. Proposals may be submitted for half- or full-day events, to be scheduled at either end 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 shall be submitted by e-mail to the Workshop Chair, Frank Singhoff (singhoff@univ-brest.fr), with subject line: [AEiC 2023: workshop proposal]. Workshop proposals shall be submitted at any time but no later than the **27 February 2023**. Once submitted, each workshop proposal will be evaluated by the conference organizers as soon as possible.

Call for Exhibitors

The conference will include a vendor and technology exhibition. Interested providers should direct inquiries to the Exhibition & Sponsorship Chair.

Venue

The conference will take place at the Hotel Fénix Lisboa, near downtown Lisbon, Portugal. June is full of events in Lisbon, including the festivities in honour of St. António (June 13 is the town holiday), with music, grilled sardines, and popular parties in Alfama and Bairro Alto neighbourhoods. There's plenty to see and visit in Lisbon, so plan in advance!



AEiC 2023
Lisboa

