

28th Ada-Europe International Conference on Reliable Software Technologies

11-14 June 2024, Barcelona, Spain



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The 28th Ada-Europe International Conference on Reliable Software Technologies (AEiC 2024) will take place in Barcelona, Spain.

AEiC 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 also include keynotes, Q&A and discussion sessions, and social events. Participants include practitioners and researchers from industry, academia, and government organizations active in the development of reliable software technologies.

The topics of interest for the conference include but are not limited to (more specific topics are described on the conference web page):

- *Formal and model-based engineering of critical systems*
- *High-Integrity Systems and Reliability*
- *AI for High-Integrity Systems Engineering*
- *Real-Time Systems*
- *Ada Language*
- *Applications in relevant domains*

The conference comprises different tracks and co-located events:

- *Journal track* papers present research advances supported by solid theoretical foundation and thorough evaluation.
- *Industrial track* contributions highlight industrial open challenges and/or the practitioners' side of a relevant 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 attendees through a hands-on familiarization with innovative developments or with useful features related to reliable software.
- *Workshops* provide discussion forums on themes related to the conference topics.
- *Vendor presentations and exhibitions* allow for companies to showcase their latest products and services.

Important Dates

31 January 2024	Deadline for submission of journal track papers (closed)
26 February 2024	Deadline for submission of tutorial and workshop proposals
4 March 2024	Deadline for submission of industrial track papers, work-in-progress papers (extended)
22 March 2024	First round notification for journal track papers, and notification of acceptance for all other types of submissions
11-14 June 2024	Conference

<http://www.ada-europe.org/conference2024>

Call for journal track submissions

Following a journal-first model, this edition of the conference 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 a Special Issue of Elsevier JSA – the *Journal of Systems Architecture* (Q1 ranked, CiteScore 8.5, impact factor 4.5). Accordingly, the conference is listed as “Journal Published” in the latest update of the CORE Conference Ranking released in August 2023. Contributions must be submitted by **31 January 2024 (closed)**. Submissions should be made online at <https://www.editorialmanager.com/jsa/>, selecting the “Ada-Europe AEiC 2024” option (submission page open from 15 November 2023) as article type of the paper. General information for submitting to the JSA can be found at the Journal of Systems Architecture website.

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. The abstract of the accepted contributions will be included in the conference booklet.

The Ada-Europe organization will waive the Open Access fees for the first four accepted papers (whose authors do not already enjoy Open Access agreements). Subsequent papers will follow JSA regular publishing track. Prospective authors may direct all enquiries regarding this track to the corresponding chairs, Bjorn Andersson (baandersson@sei.cmu.edu) and Luis Miguel Pinho (Imp@isep.ipp.pt).

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 1-to-2 pages abstract, by **4 March 2024 (extended)**, via EasyChair at <https://easychair.org/my/conference?conf=aeic2024>, 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 Luciana Provenzano (luciana.provenzano@mdu.se) and Michael Pressler (Michael.Pressler@de.bosch.com).

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 **4 March 2024 (extended)**, via EasyChair at <https://easychair.org/my/conference?conf=aeic2024>, 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 Alejandro R. Mosteo (amosteo@unizar.es) and Ruben Martins (rubenm@andrew.cmu.edu).

Call for tutorials

The conference seeks tutorials in the form of educational seminars on themes falling within the conference scope, with an academic for 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 at any time but no later than the **26 February 2024** to the respective chair Maria A. Serrano (maria.serrano@nearbycomputing.com), with subject line: “[AEiC 2024: tutorial proposal]”. Once submitted, each tutorial proposal will be evaluated by the conference organizers as soon as possible, with decisions from January 1st. 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 at any time but no later than the **26 February 2024** to the respective chair Sergio Saez (ssaez@disca.upv.es), with subject line: “[AEiC 2024: workshop proposal]”. Once submitted, each workshop proposal will be evaluated by the conference organizers as soon as possible, with decisions from January 1st.

Call for exhibitors and sponsors

The conference will include a vendor and technology exhibition with the option of a 20 minutes presentation as part of the conference program. Interested providers should direct inquiries to the Exhibition & Sponsorship Chair Ahlan Marriot (ahlan@ada-switzerland.ch).

Venue

The conference will take place in Barcelona, Spain. Barcelona is a major cultural, economic, and financial centre, known for its architecture, culture, and Mediterranean atmosphere, a hub for technology and innovation. There's plenty to see and visit in Barcelona, so plan in advance!

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