25ᵗʰ Ada-Europe International Conference on Reliable Software Technologies (AEiC 2021)

7-11 June 2021, Virtual Event

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General Information

The **25ᵗʰ Ada-Europe International Conference on Reliable Software Technologies (AEiC 2021 aka Ada-Europe 2021)**, initially scheduled to take place in Santander, Spain, will be held online from the 7th to the 11th of June, 2021. The conference schedule includes a technical program, vendor exhibition and parallel tutorials and workshops.

The organizing committee estimates that the conditions for a safe in-person conference will not be met in June 2021. Consequently, the AEiC 2021 Conference will be a **virtual-only event.**

Schedule

14 January 2021	Submission of journal-track papers and workshop proposals
19 March 2021	Notification of journal-track paper presentations and workshops
31 March 2021	Submission of Work-in-Progress (WiP) papers, industrial presentation outlines, and tutorial and invited presentation proposals
30 April 2021	Notification of acceptance for WiP papers, industrial presentation outlines, and tutorial and invited presentations proposals

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 have keynotes, Q&A sessions and discussions, and virtual 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:

- **Design and Implementation of Real-Time and Embedded Systems,**
- **Design and Implementation of Mixed-Criticality Systems,**
- **Theory and Practice of High-Integrity Systems,**
- **Software Architectures for Reliable Systems,**
- **Methods and Techniques for Quality Software Development and Maintenance,**
- **Ada Language and Technologies,**
- **Mainstream and Emerging Applications with Reliability Requirements,**
- **Achieving and Assuring Safety in Machine Learning Systems,**
- **Experience Reports on Reliable System Development,**
- **Experiences with Ada.**

Refer to the conference website for the full list of topics.

Call for Journal-Track Papers

The **journal-track papers** submitted to the conference are full-length papers that must describe mature research work on the conference topics. They must be original and shall undergo anonymous peer review.

Accepted journal-track papers will get a presentation slot within a technical session of the conference and they will be published in an open-access special issue of the **Journal of Systems Architecture** (Q2 in the JCR and SJR ranks) with no additional costs to authors. The corresponding authors shall submit their work by 14 January 2021 via the Special Issue web page: *https://www.journals.elsevier.com/journal-of-systems-architecture/call-for-papers/special-issue-on-reliable-software-technologies-aeic2021*.

Submitted papers must follow the guidelines provided in the "Guide-for-Authors" of the JSA (*https://www.elsevier.com/journals/journal-of-systems-architecture/1383-7621/guide-for-authors*). In particular, JSA does not impose any restriction on the format or extension of the submissions.

Call for WiP-Track Papers

The **Work-in-Progress papers (WiP-track)** are short (4-page) papers describing evolving and early-stage ideas or new research directions. They must be original and shall undergo anonymous peer review. The corresponding authors shall submit their work by 31 March 2021, via *https://easychair.org/conferences/?conf=aeic2021*, strictly in PDF and following the Ada User Journal style (*http://www.ada-europe.org/auj/*).

Authors of accepted WiP-track papers will get a presentation slot within a regular technical session of the conference and will also be requested to present a poster. The papers will be published in the Ada User Journal as part of the proceedings of the Conference.

The conference is listed in the principal citation databases, including DBLP, Scopus, Web of Science, and Google Scholar. The Ada User Journal is indexed by Scopus and by EBSCOhost in the Academic Search Ultimate database.

Call for Industrial Presentations

The conference seeks **industrial presentations** that deliver insightful information value but may not sustain the strictness of the review process required for regular papers. The authors of industrial presentations shall submit their proposals, in the form of a short (one or two pages) abstract, by 31 March 2021, via *https://easychair.org/conferences/?conf=aeic2021*, strictly in PDF and following the Ada User Journal style (*http://www.ada-europe.org/auj/*).

The Industrial Committee will review the submissions anonymously and make recommendations for acceptance. The abstract of the accepted contributions will be included in the conference booklet, and authors will get a presentation slot within a regular technical session of the conference.

These authors will also be invited to expand their contributions into articles for publication in the Ada User Journal, as part of the proceedings of the Industrial Program of the Conference.

Awards

Ada-Europe will offer an honorary **award for the best presentation**. All journal-track and industrial presentations are eligible.

Call for Invited Presentations

The **invited presentations** are intended to allow researchers to present paramount research results that are relevant to the conference attendees. There will be no publication associated to these presentations, which may include previously published works, relevant new tools, methods or techniques.

The invited presentations will be allocated a presentation slot.

The Program Committee will select invited presentation proposals that may be submitted by e-mail to one of the Program Chairs as a one-page summary of the proposed presentation, along with the information and/or links required to show the relevance of the covered topic.

Call for Educational Tutorials

The conference is seeking tutorials in the form of educational seminars including hands-on or practical demonstrations. Proposed tutorials can be from any part of the reliable software domain, they may be purely academic or from an industrial base making use of tools used in current software development environments. We are also interested in contemporary software topics, such as IoT and artificial intelligence and their application to reliability and safety.

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), and the intended level of the tutorial (introductory, intermediate, or advanced). All proposals should be submitted by e-mail to the Educational Tutorial Chair.

The Ada User Journal will offer space for the publication of summaries of the accepted tutorials.

Call for Workshops

Workshops on themes that fall within the conference scope may be proposed. Proposals may be submitted for half- or full-day events, to be scheduled at either end of the conference days. Workshop proposals should be submitted by e-mail to the Workshop Chair. The workshop organizer shall also commit to producing the proceedings of the event, for publication in the Ada User Journal.

Call for Exhibitors

The commercial exhibition will span the core days of the main conference. As an alternative to the traditional physical exhibition, a virtual room will be provided for exhibition activities. Vendors and providers of software products and services should contact the Exhibition Chair for information and for allowing suitable planning of the exhibition space and time.