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General Information

The **22nd International Conference on Reliable Software Technologies – Ada-Europe 2017** will take place in Vienna, Austria. Following its traditional style, the conference will span a full week, including a three-day technical program and vendor exhibition from Tuesday to Thursday, along with parallel tutorials and workshops on Monday and Friday.

Schedule

15 January 2017	Submission of papers, industrial presentation, tutorial and workshop proposals
26 February 2017	Notification of acceptance to all authors
19 March 2017	Camera-ready version of papers required
30 April 2017	Industrial presentations, tutorial, and workshop material required

Topics

The conference has over the years become 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 representing industry, academia and government organizations active in the promotion and development of reliable software technologies.

This edition of Ada-Europe features a focused **Special Session on Reliable and Safe Robotics**. Following the increasing trend of robotic systems in industrial and public environments it is more and more important to address software systems to control autonomous vehicles. This special topic discusses issues regarding challenging problems in the field of autonomous navigation and sensor fusion. Topics include (but are not limited to): **frameworks for robotics, planning and system modelling, as well as multi-agent and logistics applications**.

For the **general track of the conference**, topics of interest include but are not limited to (full list on the website): Real-Time and Embedded Systems, Mixed-Criticality Systems, Theory and Practice of High-Integrity Systems, Software Architectures, Methods and Techniques for Software Development and Maintenance, Formal Methods, Ada Language and Technologies, Software Quality, Mainstream and Emerging Applications, Experience Reports in Reliable System Development, Experiences with Ada.

Program Committee

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Armin Wasice, *University of California at Berkeley, USA*
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Industrial Committee

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Sergey Tverdyshev, *SysGO, Germany*

In cooperation with
ACM SIGAda, SIGPLAN (pending),
SIGBED (pending)

and
Ada Resource Association (ARA)

Call for Regular and Special Session Papers

Authors of papers which are to undergo peer review for acceptance are invited to submit original contributions by 15 January 2017. Paper submissions shall not exceed 14 LNCS-style pages in length. Authors for both the general track and the special session shall submit their work via EasyChair at https://easychair.org/conferences/?conf=adaeurope2017. The format for submission is solely PDF.

The International Conference on Reliable Software Technologies is ranked class A in the CORE ranking and Microsoft Academic Search has it in the top third for conferences on programming languages. The conference is listed in DBLP, SCOPUS and Web of Science Conference Proceedings Citation index, among others.

Proceedings

Conference proceedings will be published in the Lecture Notes in Computer Science (LNCS) series by Springer, and will be available at the conference. Camera-ready accepted papers are due strictly by 19 March 2017 (format guidelines available at the conference site). Failure to comply and to register for the conference by that date will prevent the paper from appearing in the proceedings.

Call for Industrial Presentations

The conference seeks industrial presentations which deliver value and insight but may not fit the selection process for regular papers. Authors are invited to submit a presentation outline of exactly 1 page in length by 15 January 2017. Submissions shall be made via EasyChair following the link https://easychair.org/conferences/?conf=adaeurope2017. The format for submission is solely PDF.

The Industrial Committee will review the submissions and make the selection. The authors of selected presentations shall prepare a final short abstract and submit it by 30 April 2017, aiming at a 20-minute talk. The authors of accepted presentations will be invited to submit corresponding articles for publication in the *Ada User Journal* (http://www.ada-europe.org/auj/), which will host the proceedings of the Industrial Program of the Conference. For any further information please contact the Industrial Chair directly.

Awards

Ada-Europe will offer honorary awards for the best regular paper and the best presentation.

Call for Tutorials

Tutorials should address subjects that fall within the scope of the conference and may be proposed as either half- or full-day events. Proposals should include a title, an abstract, a description of the topic, a detailed outline of the presentation, a description of the presenter's lecturing expertise in general and with the proposed topic in particular, the proposed duration (half day or full day), the intended level of the tutorial (introductory, intermediate, or advanced), the recommended audience experience and background, and a statement of the reasons for attending. Proposals should be submitted by e-mail to the Tutorial Chair. The authors of accepted full-day tutorials will receive a complimentary conference registration as well as a fee for every paying participant in excess of 5; for half-day tutorials, these benefits will be accordingly halved. The *Ada User Journal* (http://www.ada-europe.org/auj/) 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 week. Workshop proposals should be submitted to the Workshop Chair. The workshop organizer shall also commit to preparing proceedings for timely publication in the *Ada User Journal* (http://www.ada-europe.org/auj/).

Call for Exhibitors

The commercial exhibition will span the three days of the main conference. 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.

Grants for Reduced Student Fees

A limited number of sponsored grants for reduced fees is expected to be available for students who would like to attend the conference or tutorials. Contact the Conference Chair for details.

Venue

The conference will take place at Palais Eschenbach (see images below), in the heart of Vienna, Austria.