Conference Chair

Giorgio Buttazzo Scuola Superiore Sant'Anna

Program Co-Chairs

Marko Bertogna Univ. of Modena and Reggio Emilia

Luís Miguel Pinho CISTER/INESC-TEC, ISEP

Special Session Chair

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Barcelona Supercomputing Center

Tutorial and Workshop Chair

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Industrial Co-Chairs

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Publicity Co-Chairs

Mauro Marinoni Scuola Superiore Sant'Anna

Dirk Craeynest Ada-Belgium & KU Leuven

Local Chair

Ettore Ricciardi ISTI-CNR, Pisa



General Information

The 21st International Conference on Reliable Software Technologies – Ada-Europe 2016 will take place in Pisa, Italy. 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

24 January 2016 Submission of papers, industrial presentations, tutorial and workshop proposals
 10 March 2016 Notification of acceptance to all authors
 24 March 2016 Camera-ready version of papers required
 2 May 2016 Industrial presentations, tutorial and workshop material required

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 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 Safe, Predictable Parallel Software Technologies. Following the intensifying trend of usage of Multi-/Many-core systems, it is increasingly important to assess how reliable software technologies need to adapt to these complex platforms, as well as how parallel models need to adapt to domains in which safety and predictability is a must. Topics include (but are not limited to): Predictable Parallel Programming Models, Parallel Language Technologies, Compiler Support for Parallel Execution, Parallel Runtimes and Libraries, Automatic Parallelization, Safety Issues and Reliability Mechanisms for Parallel Execution, Software Modelling and Design Approaches, Hardware Support for Predictability of Parallel Software.

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.

Accepted papers will be published in the Lecture Notes in Computer Science (LNCS) series by Springer. Selected papers of the conference will be also invited for special issues of Springer's Computing Journal (general track papers) and Journal of Parallel Programming (special session papers).

Program Committee

Mario Aldea, *Univ de Cantabria, Spain*Ted Baker, *NSF, USA*Marko Bertogna, *University of Modena and Reggio Emilia, Italy*Johann *Blieberger, Technische Universität Wien, Austria*Bernd Burgstaller, *Yonsei Univ, Korea*Albert Cohen, *INRIA, France*Juan A. de la Puente, *Universidad*

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France

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Toulouse, France José Ruiz, AdaCore, France Sergio Sáez. Universitat Politècnica de

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Elena Troubitsyna, Åbo Akademi, Finland
Santiago Urueña, GMV, Spain
Tullio Vardanega, Univ di Padova, Italy

Industrial Committee

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Ahlan Marriott, White Elephant, Switzerland Paolo Panaroni, Intecs, Italy Paul Parkinson, Wind River, UK Eric Perlade, AdaCore, France Jean-Pierre Rosen, Adalog, France Jacob Sparre Andersen, JSA Consulting, Denmark

Claus Stellwag, Elektrobit AG, Germany Jean-Loup Terraillon, European Space Agency, The Netherlands Sergey Tverdyshev, SysGO, Germany Rod White, MBDA, UK

In cooperation with ACM SIGAda, SIGPLAN, SIGBED



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 24 January 2016. 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=adaeurope2016. The format for submission is solely PDF.

The International Conference on Reliable Software Technologies is ranked class A in CORE; 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 24 March 2016 (format guidelines available at in the conference site). Failure to comply and to register for the conference by that date will prevent the paper from appearing in the proceedings.

Journal Special Issues

Selected papers of the conference will be invited for a special issue of Springer's Computing Journal on the conference topic. Papers of the special session will be invited for a special issue of Springer's Journal of Parallel Programming.

Call for Industrial Presentations

The conference seeks industrial presentations which deliver value and insight but may not fit the process for regular papers. Authors are invited to submit a presentation outline of exactly 1 page in length by 24 January 2016, using EasyChair at https://easychair.org/conferences/?conf=adaeurope2016. The format for submission is solely PDF.

The authors of selected presentations shall prepare a short abstract by 2 May 2016, aiming at a 20-minute talk. Authors will be also 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. For further information please contact the Industrial Co-chairs 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. Proposals should include a title, an abstract, a description of the topic, a detailed outline of the presentation, a description of the presenter's expertise in general and with the proposed topic in particular, the 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. Authors of accepted full-day tutorials will receive a complimentary conference registration and a fee for every paying participant in excess of 5; for half-day tutorials, these benefits will be accordingly halved. The *Ada User Journal will* offer space for the publication of summaries of the 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. Proposals should be submitted to the Tutorial and Workshop Chair. The workshop organizer shall also commit to preparing proceedings for timely publication in the *Ada User Journal*.

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 Scuola Superiore Sant'Anna (left images, including the aula magna where sessions will take place), in the heart of Pisa, Italy. June is full of events in Pisa, including in the conference week the Saint Patron's festivities (San Ranieri) with the Luminara on the night of June 16 (thousands of candles burn and reflect on the river — right image). Plan in advance! It is absolutely worth it!



