# Call for Papers

# 14th International Conference on Reliable Software Technologies - Ada-Europe 2009

## 8-12 June 2009, Brest, France

***http://www.ada-europe.org/conference2009.html***


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In cooperation with
ACM SIGAda

## General Information

The 14th International Conference on Reliable Software Technologies - Ada-Europe 2009 will take place in Brest, France. Following its traditional style, the conference will span a full week, including a three-day technical program and vendor exhibitions from Tuesday to Thursday, along with parallel tutorials and workshops on Monday and Friday.

## Schedule

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| ~~01 December 2008~~ 15 December 2008 | Submission of regular papers, tutorial and workshop proposals |
| 12 January 2009 | Submission of industrial presentation proposals |
| 09 February 2009 | Notification to all authors |
| 09 March 2009 | Camera-ready of regular papers required |
| 11 May 2009 | Industrial presentations, tutorial and workshop material required |
| 8-12 June 2009 | Conference |

## Topics

The conference has successfully established itself as an international forum for providers, practitioners and researchers into 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 variety of application domains. The program will allow ample time for keynotes, Q&A sessions, panel discussions and social events. Participants will include practitioners and researchers in representation from industry, academia and government organizations active in the promotion and development of reliable software technologies. To mark the completion of the Ada language standard revision process, contributions that present and discuss the potential of the revised language are particularly sought after.

Prospective contributions should address the topics of interest to the conference, which include but are not limited to those listed below:

- **Methods and Techniques for Software Development and Maintenance**: Requirements Engineering, Object-Oriented Technologies, Model-driven Architecture and Engineering, Formal Methods, Re-engineering and Reverse Engineering, Reuse, Software Management Issues, Model Engineering.
- **Software Architectures**: Design Patterns, Frameworks, Architecture-Centered Development, Component and Class Libraries, Component-based Design.
- **Enabling Technologies**: Software Development Environments and Project Browsers, Compilers, Debuggers, Run-time Systems, Middleware Components.
- **Software Quality:** Quality Management and Assurance, Risk Analysis, Program Analysis, Verification, Validation, Testing of Software Systems.
- **Theory and Practice of High-integrity Systems**: Real-Time, Distribution, Fault Tolerance, Security, Reliability, Trust and Safety.
- **Embedded Systems**: Architecture Modeling, Co-Design, Reliability and Performance Analysis.
- **Mainstream and Emerging Applications**: Multimedia and Communications, Manufacturing, Robotics, Avionics, Space, Health Care, Transportation.
- **Ada Language and Technology**: Programming Techniques, Object-Orientation, Concurrent and Distributed Programming, Evaluation & Comparative Assessments, Critical Review of Language Features and Enhancements, Novel Support Technology, HW/SW Platforms.
- **Experience Reports**: Case Studies and Comparative Assessments, Management Approaches, Qualitative and Quantitative Metrics.
- **Ada and Education**: Where does Ada stand in the software engineering curriculum; how learning Ada serves the curriculum; what it takes to form a fluent Ada user; lessons learned on Education and Training Activities with bearing on any of the conference topics.

## Program Committee

*Alejandro Alonso*, Universidad Politécnica de Madrid, Spain
*Leemon Baird*, US Air Force Academy, USA
*Johann Blieberger*, Technische Universität Wien, Austria
*Maarten Boasson*, University of Amsterdam, The Netherlands
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*Lionel Seinturier*, Université de Lille, France
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*Tullio Vardanega*, Università di Padova, Italy
*Francois Vernadat*, LAAS-CNRS, Université de Toulouse, Insa
*Andy Wellings*, University of York, UK
*Jürgen Winkler*, Friedrich-Schiller-Universität, Germany
*Luigi Zaffalon*, University of Applied Sciences, W. Switzerland

## Industrial Committee

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*Dirk Dickmanns*, EADS, Germany
*Tony Elliston*, Ellidiss Software, UK
*Franco Gasperoni*, AdaCore, France
*Hubert Keller*, Forschungszentrum Karlsruhe GmbH, Germany
*Bruce Lewis*, US Army, USA
*Ahlan Marriott*, White-Elephant GmbH, Switzerland
*Rei Stråhle*, Saab Systems, Sweden

## Call for Regular Papers

Authors of regular papers which are to undergo peer review for acceptance are invited to submit original contributions. Paper submissions shall be in English, complete and not exceeding 14 LNCS-style pages in length. Authors should submit their work via the Web submission system accessible from the Conference Home page. The format for submission is solely PDF. Should you have problems to comply with format and submission requirements, please contact the *Program Chair*.

## Proceedings

The authors of accepted regular papers shall prepare camera-ready submissions in full conformance with the LNCS style, not exceeding 14 pages and strictly by 9 March 2009. For format and style guidelines authors should refer to: *http://www.springer.de/comp/lncs/authors.html*. Failure to comply and to register for the conference will prevent the paper from appearing in the proceedings. The conference proceedings will be published in the Lecture Notes in Computer Science (LNCS) series by Springer Verlag, and will be available at the start of the conference.

## Awards

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

## Call for Industrial Presentations

The conference also seeks industrial presentations which may deliver value and insight, but do not fit the selection process for regular papers. Authors of industrial presentations are invited to submit a short overview (at least 1 page in size) of the proposed presentation to the *Conference Chair* by 12 January 2009. The *Industrial Program Committee* will review the proposals and make the selection. The authors of selected presentations shall prepare a final short abstract and submit it to the *Conference Chair* by 11 May 2009, aiming at a 20-minute talk. The authors of accepted presentations will be invited to derive articles from them for publication in the Ada User Journal, which will host the proceedings of the Industrial Program of the Conference.

## 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 providers of 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 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 on either ends of the conference week. Workshop proposals should be submitted to the *Conference Chair*. The workshop organizer shall also commit to preparing proceedings for timely publication in the Ada User Journal.

## Call for Exhibitions

Commercial exhibitions 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 Students

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