# 10th International Conference on Reliable Software Technologies – Ada-Europe 2005

## 20-24 June 2005, York, UK

http://www.ada-europe.org/conference2005.html
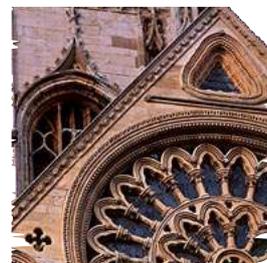
# Call for Industrial Presentations

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In cooperation with

SIGAda
(approval pending)

## General Information

The 10th International Conference on Reliable Software Technologies (Ada-Europe 2005) will take place in York, UK. Following the usual style, the conference will span a full week, including a three-day technical program and vendor exhibitions from Tuesday to Thursday, along with parallel workshops and tutorials on Monday and Friday.

## Call for Presentations

**In addition to the usual call for papers, this year we are also having a call for presentations primarily aimed at industrialists who have valuable experience to report but who do not wish to write a complete paper.**

This separate call for presentations is made for Experience Reports from Industrial Projects and/or Experiments, Case Studies and Comparative Assessments, Management Approaches, Qualitative and Quantitative Metrics, Experience Reports on Education and Training Activities with bearing on any of the conference topics.

See the reverse side of this page for further details.

## Schedule

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|---|---|
| 10 January 2005 | Submission of one-page overview |
| 17 January 2005 | Notification to authors |
| 20 May 2005 | Presentation required |
| 20-24 June 2005 | Conference |

## Submission of Presentations

Presenters are invited to submit a one-page overview of the proposed presentation to Rod Chapman (rod.chapman@praxis-his.com) by **January 10th 2005**. The Industrial Committee will review the proposals. The authors of selected presentations shall prepare their final presentation by 20th May 2005; they should aim to talk for 20 minutes. The authors of accepted presentations will also be asked to derive articles from them, for publication in the Ada User Journal.

## 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 Rod Chapman as soon as possible for further information and for allowing suitable planning of the exhibition space and time.

## Tutorials

Tutorials should address subjects that fall within the thrust 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), and the recommended audience experience and background. Proposals should be submitted by e-mail to the Tutorial Chair Iain Bate. 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, the fee will accordingly be halved. The Ada User Journal will offer space for the publication of summaries of the accepted tutorial in issues preceding and/or following the conference.

## Industrial Committee

Rod Chapman (Chair)
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GreenHills

Franco Gasperoni
AdaCore

Adrian Larkham
Aonix UK

Ian Gilchrist
IPL

Martin Stacey
ILogix

Alan Burns (Conference Chair)
University of York, UK

Tullio Vardanega  (Program Chair)
University of Padua, Italy

Dirk Craeynest
Ada-Europe (Vice-President)

Erhard Plödereder
Ada-Europe (President)

## Conference Topics

In the last decade the conference has established itself as an international forum for providers and practitioners of, 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 from industry, academia and government organizations interested in furthering the development of reliable software technologies. To mark the completion of the technical work for the Ada language standard revision process, a special session will be devoted to the presentation and discussion of the prospects of the revised language in the landscape of mainstream language technologies.

The topics of interest for the conference include, but are not limited to:

- **Methods and Techniques for Software Development and Maintenance**: Requirements Engineering, Object-Oriented Technologies, Formal Methods, Re-engineering and Reverse Engineering, Reuse, Software Management Issues
- **Software Architectures**: Patterns for Software Design and Composition, Frameworks, Architecture-Centered Development, Component and Class Libraries, Component-Based Design
- **Enabling Technology**: CASE Tools, Software Development Environments and Project Browsers, Compilers, Debuggers and Runtime Libraries
- **Software Quality:** Quality Management and Assurance, Risk Analysis, Program Analysis, Verification, Validation, Testing of Software Systems
- **Critical Systems**: Real-Time, Distribution, Fault Tolerance, Information Technology, Safety, Security
- **Mainstream and Emerging Applications**: Multimedia and Communications, Manufacturing, Robotics, Avionics, Space, Health Care, Transportation
- **Ada Language and Technology**: Programming Techniques, Object-Oriented Programming, Concurrent Programming, Bindings and Libraries, Evaluation & Comparative Assessments, Critical Review of Language Enhancements, Novel Support Technology

## Workshops

Workshops on themes that fall within the scope of the conference may be arranged to discuss matters of immediate technical interest as well as to foster action on longer-term technical objectives. Proposals may be put forward for either half- or full-day workshops, to be scheduled on either ends of the main conference. Workshop proposals should be submitted by e-mail to the Program Co-Chair Tullio Vardanega. The workshop organizer shall also commit to preparing proceedings for timely publication in the Ada User Journal.