



Preliminary Call for Participation

13th International Conference on Reliable Software Technologies – Ada-Europe 2008

16-20 June 2008, Venice, Italy

<http://www.ada-europe.org/conference2008.html>



The Conference

The 13th International Conference on Reliable Software Technologies – Ada-Europe 2008 will take place in Venice, Italy, on 16-20 June 2008. Following its consolidated tradition, the conference will span a full week, with at its centre from Tuesday to Thursday a three-day technical program accompanied by vendor exhibitions, and at either end on Monday and Friday a string of parallel tutorials. The previous twelve editions in this conference series were held at Montreux, Switzerland ('96), London, UK ('97), Uppsala, Sweden ('98), Santander, Spain ('99), Potsdam, Germany ('00), Leuven, Belgium ('01), Vienna, Austria ('02), Toulouse, France ('03), Palma de Mallorca, Spain ('04), York, UK ('05), Porto, Portugal ('06) and Geneva, Switzerland ('07).

The conference has 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 analysis, design, programming, verification and maintenance of long-lived, high-integrity software systems for a variety of application domains. The program also features outstanding keynotes and a robust track of industrial presentations. As usual, the conference provides ample time for Q&A sessions, panel discussions and social events. Participants include practitioners and researchers from industry, academia and government organizations interested in the promotion and development of reliable software technologies.



Overall Program

The conference program altogether features 10 tutorials, a technical program of 20 thoroughly refereed papers, a collection of 12 industrial presentations reflecting current practice and challenges in real-life software projects, a special track on software engineering education, three eminent invited speakers, a rich exhibition, and an especially attractive social program. Springer will publish the proceedings of the regular program of conference as Volume 5026 of the LNCS. The Ada User Journal will publish the proceedings of the other tracks of the program.

Keynote Addresses

Three eminent keynote speakers have been selected to open each day of the core conference program:

- Alberto Sangiovanni-Vincentelli (University of California at Berkeley, USA), a most authoritative member of the embedded systems community, will deliver a talk entitled: *Embedded Software Design: Art or Science?*
- Robert Dewar (New York University, USA), a worldwide expert in programming technologies, will discuss where programming languages are expected to go next in a talk evocatively entitled: *Lost in Translation*.
- Christian Queindec (Lip6 Paris, France), a leading researcher in reliable software technologies, will explore the inner heart of the Service-Oriented Architecture in a talk entitled: *Three ways to improve SOA reliability*.

Tutorial Program

The two days at either side of the core conference program include a rich selection of tutorials delivered by domain experts who will cover a variety of topics of interest to the conference community:

- *AADL: Architecture Analysis and Design Language*, Jean-Pierre Rosen (Adalog, France)
- *The best of Ada 2005*, John Barnes (John Barnes Informatics, UK)
- *Object-Oriented Programming in Ada 2005*, Matthew Heaney (On2 Technologies, USA)
- *Preserving Model-Asserted Real-Time Properties at Execution Level for High-Integrity Systems*, Tullio Vardanega (University of Padua, Italy) and Juan Antonio de la Puente (Technical University of Madrid, Spain)
- *Technical Basis of Model Driven Engineering and Verification Techniques for Dependable Systems*, both by William Bail (The MITRE Corporation, USA)
- *A Practical Introduction to Model-Driven Software Development using Eclipse*, Cristina Vicente-Chicote and Diego Alonso-Cáceres (Universidad Politécnica de Cartagena, Spain)
- *Languages for Safety-Critical Software: Issues and Assessment*, Benjamin Brosgol (AdaCore, USA)
- *Service-Oriented Architecture Concepts and Implementations*, Ricky Sward (The MITRE Corporation, USA)
- *About Real-Time Scheduling Analysis of Ada Applications*, Frank Singhoff (University of Brest, France).

Technical Program

The technical program of the conference includes 20 thoroughly peer-refereed papers on a wealth of subjects pertinent to the conference themes, from submissions coming from over 20 countries worldwide. The program also features a day-long collection of 12 industrial presentations of challenges faced and solutions devised in real-life projects, a half-day track focusing on software engineering education and a half-day vendor-presentation session.

Exhibition

The exhibition will open in the mid-morning break on Tuesday and run continuously until the end of the afternoon break on Thursday. Coffee breaks and exhibitions will both be held in a spectacular cloister area in the inner heart of the conference centre. Breaks will last one full hour to allow attendees comfortable time to visit the exhibition.

Conference Venue

Venice is a marvel that words can't explain. You really want to wander its alleys and enjoy the experience of its floating on the water. We are truly fortunate at being able to host the first coming of the conference in Italy, at a 10-minute walk from piazza San Marco, the most renowned centre of Venetian urban architecture, which still bears the signs of amazingly thriving cultural and commercial life when the Venetian republic was the gateway of Europe to the Far East. The conference centre, built on a fully-refurbished and modernly equipped restoration of a XVI-century convent, is located at the "Zattere" overlooking the Giudecca island, on the South-South-East angle of Venice, just behind the Accademia, which holds treasures of art.

Venice has the third most visited airport in Italy, directly connected to all capital cities in Europe, and to some major cities in the USA and Asia. The airport location offers a majestic view of the lagoon on many landing and take-off routes. Venice is connected to the airport via both water and land transport.

Social Program

The social program of the conference will open with a welcome reception at Palazzo Loredan-Franchetti, a three-storied patrician villa overlooking the Grand Canal, which hosts the historic premise of the regional institute for science, literature and art. The reception will be accompanied by musical entertainment offered by distinguished members of the conference community.

The conference banquet will take place in the island of Torcello, the farthest island of the lagoon, just past picturesque Burano. The Torcello island which used to be vastly populated at the time of the Venetian republic has lost almost all of its population but kept its beauty and natural, cultural and historical attraction. The conference participants will ride on a private boat along the Grand Canal to the renowned "Osteria del Diavolo" restaurant at Torcello. The journey will be accompanied by appetizers and musical entertainment, as well as by the spectacular scenery of the lagoon itself viewed first at sunset and then in the fullness of night on the return leg.

In cooperation with SIGAda



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For the latest information on the conference consult: <http://www.ada-europe.org/conference2008.html>