

## Call for Participation

# 12<sup>th</sup> International Conference on Reliable Software Technologies Ada-Europe 2007

25-29 June 2007, Geneva, Switzerland

Program and Registration information available on:

<http://www.ada-europe.org/conference2007.html>

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### The conference

The **12<sup>th</sup> International Conference on Reliable Software Technologies (Ada-Europe 2007)** will take place in Geneva, Switzerland, 25-29 of June, 2007. 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 tutorials on Monday and Friday. This is the 12<sup>th</sup> event in the Ada-Europe's Reliable Software Technologies series, previous ones being 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), and Porto, Portugal ('06).

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, 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.



### The program

The conference features 8 tutorials, a full technical program of refereed papers, a collection of industrial presentations reflecting current practice and challenges, four eminent invited speakers, an exhibition, and a social program. Springer Verlag will publish the proceedings of the conference as LNCS Vol. 4498.

#### Invited Speakers

Four distinguished speakers will deliver state-of-the-art information on topics of great importance, both for now and for the future of software engineering:

- Challenges for Reliable Software Design in Automotive Electronic Control Units, *Klaus D. Mueller-Glaser (University of Karlsruhe, Germany)*, Tuesday 26<sup>th</sup>, 9:00 – 10:00
- Synchronous Techniques for Embedded Systems, *Gerard Berry (Esterel Technologies, France)*, Wednesday 27<sup>th</sup>, 9:00 – 10:00
- Perspectives on Next Generation Software Engineering, *Ali Mili (New Jersey Institute of Technology, USA)*, Thursday 28<sup>th</sup>, 9:00 – 10:00
- Observation Rooms for Program Execution Monitoring, *Liviu Iftode (Rutgers University, USA)*, Thursday 28<sup>th</sup>, 14:00 – 15:00

#### Tutorials

The two tutorial days include an interesting selection of tutorials, featuring international experts who will cover a broad range of topics:

- An Overview of Model Driven Engineering, *William Bail (The MITRE Corporation, USA)*, Monday 25<sup>th</sup>, morning
- Correctness by Construction: a UML2 Profile Enforcing the Ravenscar Computational Model, *Tullio Vardanega (University of Padua, Italy)*, Monday 25<sup>th</sup>, morning
- Object-Oriented Programming in Ada 2005, *Matthew Heaney (On2 Technologies, USA)*, Monday 25<sup>th</sup>, afternoon
- Verification and Validation for Reliable Software Systems, *William Bail (The MITRE Corporation, USA)*, Monday 25<sup>th</sup>, afternoon
- Security by Construction, *Rod Chapman (Praxis HIS, UK)*, Monday 25<sup>th</sup>, full day

- Synchronous Design of Embedded Systems: the Esterel / Scade approach, *Gerard Berry (Esterel Technologies, France)*, Friday 29<sup>th</sup>, morning
- Building Interoperable Distributed Applications with PolyORB, *Thomas Quinot and Jérôme Hugues (AdaCore and ENST, France)*, Friday 29<sup>th</sup>, afternoon
- Situational Method Engineering: Towards a Specific Method for each System Development Project, *Jolita Ralyté (University of Geneva, Switzerland)*, Friday 29<sup>th</sup>, full day

### Technical Contributions

The technical program of the conference includes 19 peer-refereed and carefully selected papers on the latest research on Ada-related issues and reliable systems in general. The program also includes a collection of 9 industrial presentations illustrating challenges faced and solutions encountered by industrialists.

The final result is a truly international program with contributions from Australia, Austria, China, France, Germany, Italy, Republic of Korea, Spain, Tunisia, the UK, and the USA.

### Exhibition

The exhibition will open in the mid-morning break on Tuesday and run continuously until the end of the afternoon break on Thursday. The coffee breaks are held in the same exhibition area. Breaks Tuesday–Thursday are one hour to allow the attendees a comfortable visit to the exhibition.

### The location

At the crossroads of important communication roads linking the Mediterranean Sea to the North of Europe, **Geneva** is a town of exchanges, ideas and trade. In 1387, the Bishop of Geneva encouraged the trading business by authorizing the practice of obtaining a loan, payable with an interest, which at the time, was severely condemned by the Church.

In the 16<sup>th</sup> century came the Reformation: Jean Calvin was called to Geneva. He had the

genius of elevating Geneva to the rank of a “Protestant Rome”. Rousseau and Voltaire, two of the most important philosophers of the “Siècle des Lumières” (the 18<sup>th</sup> century) lived in Geneva. The international vocation of Geneva prospered again due to important Protestant bankers, and that century also witnessed the expansion of the watch making and gold industry. Today, Geneva is considered as one of the most important trading places in the world.

From the science point of view, Geneva has two Universities: University of Geneva and University of Applied Sciences (Geneva site). Geneva hosts the European Organization for Nuclear Research (CERN), where the Web was born. The International Telecommunication Union (ITU) and the International Organization for Standardization (ISO) are also headquartered in Geneva.

The Ada-Europe Conference will take place at the University of Applied Sciences (Ecole d'Ingénieurs de Genève: EIG), situated in rue de la Prairie, within walking distance of the city centre.

### Social Venue

The conference social program includes a welcome reception at the famous *World Meteorological Organization* (WMO) building. The WMO is a Specialized Agency of the United Nations. The reception will take place in the “Mont Blanc” area on the 9th floor which offers a beautiful view point of Geneva: view of Lemman Lake, old town, Mont Blanc and the Alps, Botanical garden, United Nations, etc.

The conference banquet will take place in one of the best known and most elegant restaurants in Geneva: *La Perle du Lac*. Located close to the lake, in the Park “Mon Repos”, this restaurant built in 1930, has a superb view on the city and the Mont Blanc. Before dinner, we will have an aperitif in the *History of Sciences Museum*, which is one minute walk from the restaurant. This Museum shelters a collection of old scientific instruments invented by different scientists who lived in Geneva.

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For the latest information on the conference consult:  
<http://www.ada-europe.org/conference2007.html>