



22nd International Conference on Reliable Software Technologies

Ada-Europe 2017

12-16 June 2017, Vienna, Austria

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Advance Information

The 22nd International Conference on Reliable Software Technologies (Ada-Europe 2017) will take place in Vienna, Austria. This conference is the latest in a series of annual international conferences started in the early 80's, under the auspices of, and organization by, Ada-Europe, the international organization that promotes the knowledge and use of Ada and Reliable Software in general into academia, research and industry.

Ada-Europe 2017 provides a unique opportunity for dialogue and collaboration between academics and industrial practitioners interesting in reliable software.

The conference will span a full week, including tutorials and a central three-day technical program with the latest advances in reliable software technologies and Ada. The core program features 3 keynote talks, 16 refereed scientific papers, and 9 industrial presentations. Co-located with the conference is the DeCPS workshop on "Focus on Transportation of the Future". Half-day and full-day tutorials will be provided on Monday and Friday.

Week Overview

Monday	Tuesday	Wednesday	Thursday	Friday
Tutorials	Keynote Talk <i>G. B. Gallus</i>	Keynote Talk <i>T. Henzinger</i>	Keynote Talk <i>K. Römer</i>	Tutorials & Workshop
	Regular session <i>Runtimes</i>	Regular session <i>Safety & Security</i>	Regular session <i>Timing Verification</i>	
	Industrial session <i>Exploratory Uses of Ada</i>	Industrial session <i>Verification</i>	Regular session <i>Mixed Criticality</i>	
	Regular session <i>Programming Models</i>	Panel <i>The Future of Safety-Minded Languages</i>	Industrial session <i>Large Industrial Applications</i>	
	Ada-Europe General Assembly Welcome cocktail	Conference <i>"Heuriger"</i> Best paper award	Best presentation award Closing session	

Keynote talks

Each day of the core program will be opened a keynote talk delivered by one the following eminent speakers:

- **Giovanni Battista Gallus**, Array, Italy, "*The laws of robotics and autonomous vehicles may be much more than three, but don't panic... yet.*"
- **Thomas Henzinger**, IST, Austria, "*Behavioral Software Metrics*"
- **Kay Römer**, TU Graz, Austria, "*Dependable Internet of Things*"

Tutorials

Bracketing the conference on Monday and Tuesday, the program includes eight tutorials:

- Introduction to SPARK 2014, Peter Chapin, Monday full day
- Ada on ARM Cortex-M, a zero-run-time approach, Maciej Sobczak, Monday morning
- Software Measurement for Dependable Software Systems, William Bail, Monday afternoon
- Real-Time Parallel Programming with the UpScale SDK, L. M. Pinho and E. Quinones, Monday afternoon
- Using Gnoga for Desktop/Mobile GUI and Web development in Ada, JP Rosen, Friday morning
- Frama-C, a Collaborative Framework for C Code Verification, Julien Signoles, Friday morning
- On beyond ASCII: Characters, Strings, and Ada 2012, JP Rosen, Friday afternoon
- Modular Open System Architecture for Critical Systems, William Bail, Friday afternoon

Co-Located Workshop

The conference week features the fourth International Workshop on Challenges and new Approaches for Dependable and Cyber-Physical Systems Engineering (De-CPS 2017), following the success of the inaugural workshop in 2014, its second edition in Madrid in 2015, and its third edition in Pisa in 2016.

The workshop will take place Friday, June 16th, from 09:30 to 17:30.

About the Venue



The conference will take place at Vienna, Austria. The conference venue, the Palais Eschenbach was built in Palladian Style. It was inaugurated in 1872 by the Austrian Emperor Franz Joseph I. The so-called "golden ballroom" with its impressive coffered ceiling, arcade arches and a number of marble pilasters mirrors the great era of Vienna. The palais is located near the center of Vienna and can easily be accessed by metro lines U1, U2, and U4.

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