Advance Information

The 21st International Conference on Reliable Software Technologies (Ada-Europe 2016) will take place in Pisa, Italy. 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 2016 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, 12 refereed scientific papers, 8 industrial presentations and one special session on Ada and Parallelism. The program of the conference is complemented with presentations from projects and the "ITS EASY Post Graduate School", co-located with the conference, and the workshop on "Challenges and new Approaches for Dependable and Cyber-Physical Systems Engineering". Half-day and full-day tutorials will be provided on Monday and Friday.

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Keynote talks

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

- **Alan Burns**, University of York, UK, "*Why the Expressive Power of Languages such as Ada is needed for Future Cyber Physical Systems*"
- **Valerio Giorgetta**, Magneti Marelli, Italy, "*Challenges for the Automotive Platform of the Future*"
- **Marc Duranton**, CEA, France, "*The HiPEAC Vision*"

Tutorials

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

- A Semi-formal Approach to Software Development, W. Bail, Monday morning
- Ada 2012 (Sub)types and Subprogram Contracts in Practice, J. Sparre-Andersen, Monday morning
- Software Test and Verification Techniques for Dependable Systems, W. Bail, Monday afternoon
- Towards Energy Awareness and Predictability in the Linux Kernel, J. Lelli, Monday afternoon
- Embedded ARM Programming with Ada 2012, P. Rogers, Monday full day
- Access Types and Memory Management in Ada 2012, J.P. Rosen, Friday monrning
- Using Gnoga for Desktop/Mobile GUI and Web development in Ada, J.P. Rosen, Friday afternoon
- Parallelism in Ada, C, Java and C#, Today and Tomorrow, B. Moore & S. Michell, Friday full day

Co-Located Workshop

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

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

About the Venue

Pisa is located in Tuscany, close to the coast and just 80 km from Florence. It is a university city with a population of nearly 100,000. Once a Marine Republic, Pisa stretches along the shores of the Arno River, and occupies a place of honour amongst the most exclusive of art cities. Its glorious past offers authentic wonders to the tourist, and there is a lot more to see than just the leaning Tower of Pisa, its most popular 'product'.

June is full of events in Pisa, including in the conference week the Saint Patron's festivities (San Ranieri) with the **Luminara** on the night of June 16. This is definitely worth seeing! Book your hotel in advance - highly recommended as hotels will be in short supply.

The conference will be hosted at the Scuola Superiore Sant'Anna, located in the heart of Pisa, just a walk away from Campo dei Miracoli.

Organization

Conference Chair

Giorgio Buttazzo
Scuola Superiore Sant'Anna

Program Co-Chairs

Marko Bertogna
Univ. of Modena and Reggio Emilia

Luís Miguel Pinho
CISTER/INESC-TEC, ISEP

Special Session Chair

Eduardo Quiñones
Barcelona Supercomputing Center

Tutorial and Workshop Chair

Jorge Real
Universitat Politècnica de València

Industrial Co-Chairs

Marco Di Natale
Scuola Superiore Sant'Anna

Tullio Vardanega
Università di Padova

Publication Chair

Geoffrey Nelissen
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Exhibition Co-Chairs

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Ada-Belgium & KU Leuven

Local Chair

Ettore Ricciardi
ISTI-CNR, Pisa

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Industrial Committee

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Sponsors

The conference is supported and sponsored by

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