



The 20th International Conference on Reliable Software Technologies – Ada-Europe 2015 will take place in Madrid, Spain. As per its traditional style, the conference will span a full week, including, from Tuesday to Thursday, three days of scientific, technical and industrial programs, along with tutorials and workshops on Monday and Friday.

The conference will be hosted by ETSIT-UPM, a leading engineering school covering teaching and research in all fields related to Information and Communications Technology, located in Ciudad Universitaria, the main University campus in Madrid near the area of Moncloa.

### Overview of the week

| Monday                           | Tuesday   | Wednesday  | Thursday   | Friday                          |
|----------------------------------|---|--|--|---------------------------------|
| Tutorials<br>&<br>DeCPS Workshop | Keynote talk                                    | Keynote talk   | Keynote talk                                       | Tutorials<br>&<br>ACVI Workshop |
|                                  | Regular session<br>Language technology          | Industrial session<br>Critical systems                             | Regular session<br>Critical systems                |                                 |
|                                  | Vendor session                                  | Regular session<br>Real-time applications                          | Industrial session<br>Tools at work                |                                 |
|                                  | Industrial session<br>Ada applications          | Special session<br>Advances on methods                             | Regular session<br>Multicore & distributed systems |                                 |
|                                  | Ada-Europe General Assembly<br>Welcome cocktail | Conference banquet<br>Best paper award<br>Ada Lovelace Celebration | Best presentation award<br>Closing session         |                                 |

For full details and up-to-date information see the conference web site:

<http://www.ada-europe.org/conference2015>

### Keynote talks

On the three central days of the conference week, a keynote will be delivered as the opening event to address hot topics of relevance in the conference scope. The keynote speakers include Jon Pérez, head of embedded systems research at IKERLAN, who will present his work on *EC-61508 Certification of Mixed-Criticality Systems Based on Multicore and Partitioning*; Javier Rodríguez, from Siemens Rail Automation, who will talk on his experience in *Software Development of Safety-Critical Railway Systems*; and Andras Balasz, to talk on *The Central On-board Computer of the Philae Lander in the Context of the Rosetta Space Mission*, based on his long experience in the Rosetta-Philae and other space projects.

### Exhibition

From Tuesday until Thursday the coffee break area will feature exhibitor booths, project posters, reserved vendor tables, and general networking options. If interested, contact the exhibition chair (see website).

## Tutorials

### Monday 22 June

|                  |   |  |   |
|------------------|---|--|---|
| <b>Morning</b>   | T1 - <i>J.P. Rosen</i><br>Access types and Memory Management in Ada 2012  | T3 - <i>B. Moore, S. Michell</i><br>Parallelism in Ada, Today and Tomorrow | T4 - <i>F. Cazorla, T. Vardanega, J. Abella, M. Pearce</i><br>Probabilistic Timing Analysis |
| <b>Afternoon</b> | T2 - <i>J.P. Rosen</i><br>Designing and Checking Coding Standards for Ada |  |   |

### Friday 26 June

|                  |  |  |   |
|------------------|--|--|---|
| <b>Morning</b>   | T5 - <i>J. Sparre-Andersen</i><br>Ada 2012 (Sub)Types and Subprogram Contracts in Practice | T7 - <i>W. Bail</i><br>Software Measures for Dependable Software Systems | T9 - <i>P. Rogers</i><br>Real-Time/Embedded Programming with Ada 2012 |
| <b>Afternoon</b> | T6 - <i>E. Briot, B. Brosgol</i><br>When Ada Meets Python: Extensibility through Scripting | T8 - <i>W. Bail</i><br>Software Design Concepts and Pitfalls             |   |

## Workshops

Two major workshops are taking place in connection with the conference.

- Monday 22 June: *Challenges and new Approaches for Dependable and Cyber-Physical Systems Engineering.*
- Friday 26 June: *Architecture Centric Virtual Integration.*

## Social program

A welcome cocktail will be served at the conference location on Tuesday evening, followed by a bus transport to central Madrid. The participants will then be let free to have dinner in the city, where there are plenty of tapas bars and traditional restaurants within reach.

The conference banquet will take place on Wednesday evening at Club de Campo Villa de Madrid, a country club located at the outskirts of the city, with magnificent views. Superb dinner will be served, and we will give the award for best paper as usual.

## Further information

The conference web site gives full and up to date details of the program and the venue, including travel advice, maps and hotels close by. A limited number of rooms have been blocked for the conference in the Exe Moncloa hotel in Moncloa, but please be prompt in booking your accommodation since the demand is high in Madrid for the conference dates. Online registration is open, with reduced fees until June 7.

### Ada 2015 sponsors (preliminary list)

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