The twenty-sixth EUROMICRO Conference on Real-Time Systems (ECRTS'14) is a forum aimed at covering state-of-the-art research and development in real-time computing. Papers on all aspects of real-time systems are welcome. These include, but are not limited to:

- **APPLICATIONS**: consumer and multimedia; process and industrial control; smart energy, smart buildings; health; avionics, aerospace; automotive; telecommunications; cyber-physical systems.
- **INFRASTRUCTURE AND HARDWARE**: communication networks; embedded devices; hardware/software co-design; power-aware and other resource-constrained techniques; multicore and manycore architectures for real-time and safety; time engines and time synchronization; wireless sensor networks.
- **SOFTWARE TECHNOLOGIES**: middleware, operating systems, run-time environments; virtualization and isolation; software architectures; programming languages and compiler support; component-based approaches; distribution technologies.

**SYSTEM DESIGN AND ANALYSIS**: modelling and formal methods for design and analysis; probabilistic analysis; quality of service support; safety, reliability, security and survivability; mixed critical systems; scheduling and schedulability analysis; worst-case execution time analysis; validation and verification techniques.

### Submission of Papers

Full papers must be submitted electronically through our web form in a pdf format. The material must be unpublished and not under submission elsewhere. Submissions must be in the same format as in the final published proceedings (10 pages maximum, 2 columns, 10 pt). The paper must be self-contained, but an appendix with supplementary material of up to 2 pages is permitted. Papers exceeding the page limit will not be reviewed. Note that the submission deadline is a firm deadline and will not be extended. A selection of the best papers will receive outstanding paper awards, and will be highlighted as such in the conference proceedings. These papers will form the shortlist for a best paper award, which will be presented at the conference. At ECRTS'14, we aim to be more inclusive and thus accept a larger number of high-quality papers than in recent years.

### Conference Highlights

Following a successful tradition at ECRTS, there will be a special Work in Progress (WiP) session. This session is intended for presentation of recent and on-going work. There will also be a continuation of a number of successful Satellite Workshops including: OSPERT – Operating Systems Platforms for Embedded Real-Time applications, WCET – Worst-Case Execution Time analysis, RTN – Real-Time Networks, WATERS – Workshop on Analysis Tools and methodologies for Embedded and Real-Time Systems, and RTSS – Real-Time Scheduling Open Problems Seminar. A separate call for papers will be issued later for both the WiP session and satellite workshops. Please visit the website at ecrts14.ecrts.org for details.

### Program Committee

Karl-Erik Årzén, Lund University, Sweden; David Atienza, EPFL, Switzerland; Sanjoy Baruah, University of North Carolina at Chapel Hill; Marko Bertogna, University of Modena, Italy; Konstantinos Bletsas, CISTER/INESC-TEC, ISEP, Portugal; Björn Brandenburg, Max Planck Institute for Software Systems; Scott Brandt, UC Santa Cruz, USA; Giorgio Buttazzo, Scuola Superiore S. Anna, Italy; Srđjan Capcun, ETH Zurich, Switzerland; Francisco J. Cazorla, Barcelona Supercomputing Centre and IIIA-CSIC; Robert Davis, University of York, UK; Jean-Dominique Decotignie EPFL/CSEM, Switzerland; Marco Di Natale, Scuola Superiore S. Anna, Italy; Arvind Easwaran, NTU, Singapore; Johan Eker, Ericsson, Sweden; Nathan Fisher, Wayne State University, USA; Gerhard Fohler, TU Kaiserslautern, Germany; Christian Fraboul, Université de Toulouse, France; Kees Goossens, TU Eindhoven, The Netherlands; Arne Hamann, Bosch CR, Germany; Gerold Heiser, University of New South Wales, Australia; Andreas Herkersdorf, TU München, Germany; Axel Jantsch, KTH Stockholm, Sweden; George Lima, Federal University of Bahia, Brazil; Claire Maiza, Grenoble INP/Verimag, France; Julio L. Medina, Universidad de Cantabria, Spain; Frank Mueller, North Carolina State Univ., USA; Michael Paulitsch EADS, Germany; Sophie Quinton, INRIA, France; Christine Rochange, IRIT, University of Toulouse, France; Insik Shin, KAIST, Korea; Gerard Smit, Univ. Twente, The Netherlands; Lothar Thiele, ETH Zurich, Switzerland.

### Local Information

Madrid, the thriving capital city of Spain, is well known for its openness and modernity. It is also a prominent cultural city, with some of the top class art museums, monuments and theatres, as well as the administrative and financial centre of the country. A large number of industrial companies in the areas of telecommunications, computers and information technologies, aerospace, and automobile, among others, are based in the Madrid region.