

ECRTS

July 3rd - 6th 2018, Barcelona, Spain

Program Chair

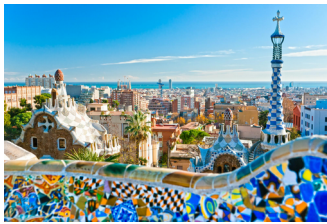
Sebastian Altmeyer
University of Amsterdam,
The Netherlands
altmeyer@uva.nl

General Chair

Francisco J. Cazorla
Barcelona Supercomputing
Center and IIIA-CSIC, Spain
francisco.cazorla@bsc.es

Real-Time Technical Committee Chair

Gerhard Fohler
TU Kaiserslautern, Germany
fohler@eit.uni-kl.de



Important Dates

Submission deadline
February 1st 2018 (GMT-12)

Workshops
July 3rd 2018

Conference
July 4th to 6th

ecrts18.ecrts.org



Scope and Topics

ECRTS is the premier European venue for presenting research into the broad area of real-time and embedded systems. Along with RTSS and RTAS, ECRTS ranks as one of the top three international conferences on real-time systems. Papers on all aspects of real-time systems are welcome. These include, but are not limited to:

- ◆ Scheduling Design and Analysis
- ◆ Real-Time Operating Systems
- ◆ Hypervisors and Middlewares
- ◆ Virtualization and Timing Isolation
- ◆ Mixed-Criticality Design & Assurance
- ◆ Worst-Case Execution Time Analysis
- ◆ Real-Time Networks and Communication Protocols
- ◆ Processor Design for Real-Time Systems
- ◆ Power/Energy/Thermal-aware Algorithms
- ◆ Modelling and/or Formal Methods
- ◆ Industrial Use-Cases and Real-Time Applications
- ◆ Tools, Compilers and Benchmarks for Embedded Systems

Theoretical and practical contributions as well as implementation papers are both welcome provided sufficient scientific or industrial relevance to the field embedded real-time systems.

Conference Highlights

ECRTS 2018 will feature a number of **Satellite Workshops**, including: Operating Systems Platforms for Embedded Real-Time applications (**OSPERT**), Worst-Case Execution Time analysis (**WCET**), Workshop on Analysis Tools and methodologies for Embedded and Real-time Systems (**WATERS**), Real-Time Scheduling Open Problems Seminar (**RTSOPS**), and International Workshop on Real-Time Networks (**RTN**). ECRTS will also feature a session on **Industrial Challenges** and **Work-In-Progress**, a **Keynote by Mateo Valero** (Director of the Barcelona Supercomputing Center), and an **Artifact Evaluation** to assess the repeatability of the research. The ECRTS program committee will award **best and outstanding papers** accepted at the conference.

Open Access

All accepted papers will be published open-access in collaboration with LIPIcs - Leibniz International Proceedings in Informatics without additional costs.

Local Information

An extremely popular destination for tourism, leisure and business, Barcelona will be hosting ECRTS 2018. Its connections to major international transport hubs and wide range of accommodation make it the city of choice for major events. Every year around 2,400 events are held in Barcelona, with a total of nearly 700,000 attendees. Barcelona is the third city in the ICCA (International Congress and Convention Association) ranking in 2015. The Mediterranean city is fully equipped to host the largest international business, technology and research conferences and exhibitions (e.g. Mobile World Congress). Barcelona also offers a wide range of world-class cultural and recreational activities related to internationally recognized artists including Pablo Picasso, Miro, Dali and Antoni Gaudi.

Submission of papers

Full papers must be submitted electronically through our web form in pdf format. The material must be unpublished and not under submission elsewhere. Submissions must be formatted using the LIPIcs LaTeX style (without any modifications) for A4 paper. Please read our **paper evaluation criteria** on our website carefully before submitting a paper. If accepted, at least one author has to provide a full registration by the special registration deadline set in the notification of acceptance, and present the paper at the conference in person. See ecrts18.ecrts.org for further information.

Program Committee

Benny Akesson, James Anderson, Karl-Erik Årzén, Patricia Balbastre, Sanjoy Baruah, Andrea Bastoni, Marko Bertogna, Reinder Bril, Tam Chantem, Robert Davis, Rolf Ernst, Nathan Fisher, Gerhard Fohler, Christian Fraboul, Christopher Gill, Steve Goddard, Arne Hamann, Hermann Härtig, George Lima, Martina Maggio, Claire Maiza, Julio Luis Medina, Patrick Meumeu Yomsi, Geoffrey Nelissen, Claire Pagetti, Michael Paulitsch, Rodolfo Pellizzoni, Isabelle Puaut, Sophie Quinton, Jan Reineke, Christine Rochange, Jean-Luc Scharbarg, Marcus Völpl