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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), 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. Extended version of workshop papers without DOI can be accepted, if the submission contains at least 30% new material. Submissions must be formatted using the LIPIcs LaTeX style (without any modifications) for A4 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