

16th Junior Researcher Workshop on Real-Time Computing JRWRTC 2023

in conjunction with the

31st International Conference on Real-Time Networks and Systems (RTNS 2023)
Dortmund, Germany, June 7-8, 2023



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The purpose of the 16th Junior Researcher Workshop on Real-Time Computing is to bring together junior researchers working on real-time systems (PhD students, postdocs, etc). The workshop provides a relaxed forum to present and discuss new ideas, to explore new research directions, and to review current trends in the real-time systems area. It is based on both short presentations and a poster session to encourage stimulating discussions. Authors of accepted papers can make use of the early registration fee until the final manuscript deadline.

Workshop Chairs

Mario Günzel

Technische Universität Dortmund

Alfonso Mascareñas González

ISAE-SUPAERO

Important Dates

Abstract submission deadline: May 4, 2023

Full submission deadline: May 9, 2023

Notification of acceptance: May 22, 2023

Final manuscript: May 29, 2023

Conference: June 7-8, 2023

The scope of the JRWRTC 2023 includes (but is not limited to) the following areas:

❖ Real-time system design and analysis:

- Task and message scheduling
- Modeling, verification, and evaluation
- Model-driven development
- Worst-case execution time estimation
- Distributed systems
- Fault tolerance
- Quality of service and security

❖ Infrastructure and hardware for real-time systems:

- Wired and wireless communication networks
- Fieldbuses
- Power-aware scheduling

- Networked control systems
- Sensor networks

❖ Software technologies for real-time systems:

- Compilers and programming languages
- Middleware and component-based technologies
- Operating systems
- Tools and benchmarks

❖ Real-time applications:

- Automotive and Avionics applications
- Process control
- Telecommunications and Multimedia

Submission guidelines: Up to 4 pages (not including references), double column format, font no smaller than 10 points. Every submission should be co-authored by at least one junior researcher. One author of every accepted paper should be registered to the conference to present the paper in a talk and during the poster session. A booklet containing the proceedings will be available on the website of the workshop.