

# 17<sup>th</sup> Junior Researcher Workshop on Real-Time Computing (JRWRTC 2024)

*in conjunction with the*

## 32<sup>nd</sup> International Conference on Real-Time Networks and Systems (RTNS 2024)

**Porto, Portugal, November 6-8, 2024**



The purpose of the 17th 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.

### Workshop Chairs

Tanya Amert  
Carleton College, Northfield, MN, USA

Federico Aromolo  
Scuola Superiore Sant'Anna, Pisa, Italy

### Important Dates

Abstract submission deadline: **October 3, 2024**

Paper submission deadline: **October 8, 2024**

Notification: October 18, 2024

Final manuscript deadline: October 28, 2024

Conference: November 6-8, 2024

The scope of the JRWRTC 2024 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
  - Field buses
  - 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
  - Medical applications

**Submission Guidelines:** Authors can submit up to 4 pages (not including references) in two-column format and with a font size of at least 10 points. Each submission should be co-authored by at least one junior researcher. One author of each accepted paper should be registered for the conference to present the paper in a talk and during the poster session. A booklet with the proceedings will be available on the workshop website.