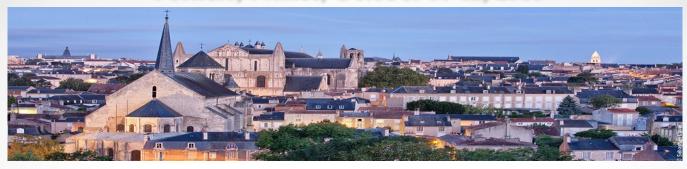# 12<sup>th</sup> Junior Researcher Workshop on Real-Time Computing
## JRWRTC 2018 - October 10, 2018
in conjunction with the
### 26<sup>th</sup> International Conference on Real-Time Networks and Systems (RTNS 2018)
## Poitiers, France, October 10-12, 2018



The purpose of the 12th 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.

## Important Dates

**Submission deadline: Sept. 10, 2018 (extended)**

Notification of acceptance:  September 23, 2018

Final manuscript due:  September 30, 2018

Conference: October 10-12, 2018

One co-authoring student of each accepted JRWRTC paper may register with the early registration fee for students shortly after the notification of acceptance.

## Workshop Chair

<u>Adriana Gogonel</u>, Inria Paris, France

<u>Georg von der Brüggen</u>, TU Dortmund, Germany

## Program Committee

Andreas Abel, Saarland University, Germany

Matthias Becker, KTH, Stockholm, Sweden

Khaoula Boukir, LS2N, France

Anh Toan Bui Long, LIAS, France

Daniel Casini, Scuola Superiore Sant'Anna, Italy

José Fonseca, CISTER/ISEP, Portugal

Florian Greff, IRT SystemX, Palaiseau, France

Morteza Mohaqeqi, Uppsala University, Sweden

Catherine E. Nemitz, UNC, USA

Antonio Paolillo, ULB, Belgium

Valentin Touzeau, Inria Grenoble, France

Maolin Yang, UESTC, China

Houssam-Eddine Zahaf, CRIStAL, France

The scope of the JRWRTC 2018 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
  - Networked control systems
  - Sensor networks
  - Power-aware scheduling
- **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, double column format, font no smaller than 9 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.

Visit the homepage at https://rtns2018.ensma.fr/workshop.html and follow us on Twitter @rtnsconf #JRWRTC2018 for additional information or contact the chair via email at jw-rtns2018@ensma.fr