

# 16<sup>TH</sup> INTERNATIONAL WORKSHOP ON REAL-TIME NETWORKS (RTN 2018)

in conjunction with the [30<sup>th</sup> Euromicro Conference on Real-Time Systems](#) (ECRTS 2018)

JULY 3, BARCELONA, SPAIN

[HTTPS://WWW.ECRTS.ORG/RTN2018/?ID=RTN2018](https://www.ecrts.org/RTN2018/?ID=RTN2018)

## CALL FOR PAPERS

The 16<sup>th</sup> Real-Time Networks (RTN) 2018 is a satellite workshop of the [30<sup>th</sup> Euromicro Conference on Real-Time Systems](#) (ECRTS 2018), the premier European venue for presenting research into the broad area of real-time and embedded systems.

The RTN workshop is the sixteen in the series of workshops that started at the 2002 ECRTS conference. No edition took however place in 2015. To continue a new series of workshops, RTN 2018 focuses on the real-time aspects of the new IEEE standards for Time-Sensitive Networking. Besides, accepted papers will be published in SIGBED Review unless authors explicitly refuse in order to keep material for a later publication in a conference or journal.

The RTN workshop provides a relaxed forum for both industrial and academic participants to present and discuss new ideas, new research directions and to review current trends in the area of real-time networks and NoC. Schedule will provide significant time for discussions among the attendees.

The RTN workshop seeking regular research paper or position paper that should not exceed 6 pages. Areas of interest include, but are not limited to:

- Real-time network on chips (NoC)
- Real-time Software Defined Networks (SDN)
- Real-time message scheduling and mapping over off and on-chip networks (TSN, Ethernet, CAN, FlexRay, NoC, etc.)
- Real-time applications (automotive, aerospace, multimedia, etc.): implementation, experimentation and evaluation
- Performance evaluation, simulation and modeling tools of real-time networks (automotive, aerospace, multimedia, etc.)
- Real-time aspects of networked embedded systems and sensors, cyber-physical systems, internet of things
- Real-time network management and time synchronization
- Real-time aspects of Wireless technologies and Sensor Networks (WSNs) and applications

## SPECIAL SESSION

### **NEW: Collaborative session on TSN Networks and Open Real-Time Problems!**

In addition to presentation sessions, a collaborative session will be setup to stimulate exchange between participants on the topic of TSN networks and open real-time problems. Different types of contributions, including demos, informal presentations, posters, are encouraged to animate this session!

Interested participants should contact the workshop chairs for proposal as soon as possible!

## WORKSHOP CHAIRS

MATHIEU JAN, [CEA LIST, France](#)

RAMON SERNA OLIVER, [TTTech Austria](#)



list

TTTech

## PROGRAM COMMITTEE

**Frédéric Ridouard**

LIAS/ENSMA, France

**Borislav Nikolic**

IDA / TU Braunschweig, Germany

**Paul Pop**

Technical University of Denmark, Denmark

**Leandro Soares Indrusia**

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**Luis Almeida**

University of Porto, Portugal

**Jörg Mische**

Universität Augsburg, Germany

**Julian Proenza**

Universitat de les Illes Balears, Spain

**Ahlem Mifdaoui**

University of Toulouse/ ISAE, France

## IMPORTANT DATES

### **Submission deadlines (extended!):**

Papers: 24th April 2018

Abstracts: 24th April 2018

Acceptance Notification: 15th May 2018

Registration deadline: 22nd May, 2018

Camera-ready papers: 22nd May, 2018