



The 9th Real-Time Scheduling Open Problems Seminar (RTSOPS 2018)

July 3rd, 2018 – Barcelona, Spain (in conjunction with ECRTS 2018)

Deadline: April 17th, 2018

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The **9th International Real-Time Scheduling Open Problems Seminar (RTSOPS 2018)** provides a venue for the exchange of ideas and the discussion of interesting **unsolved problems in real-time scheduling**.

To promote a spirit of co-operation and collaboration within the real-time scheduling community, the seminar is organized around **presentation and collaboration sessions**. Each presentation session provides the opportunity to hear about a number of unsolved problems in real-time scheduling, highlighted via brief presentations. The following collaboration session gives participants the opportunity to interact in small groups, exchange ideas with the presenters, explore how the problems might be solved, and take the first steps towards a solution.

Authors of open problem submissions from previous years' RTSOPS are invited to submit short status reports on progress made towards a solution to their open problem. This year's seminar will include a session for presentation of such advances.

Abstracts may be submitted describing well-known but as yet unsolved problems. However, all abstracts should contain some element of original work that has not been published before; for example, a new problem, a new way of looking at an existing problem, new intuition or ideas on how a problem might be solved, possible frameworks for solutions, or overviews of special cases that may be useful in solving a problem. Abstracts describing progress on an open problem presented at previous RTSOPS meetings should include a brief statement of the open problem and a description of the technical advances made towards a solution.

Author instructions can be found on the website of the event.

Authors of accepted abstracts are expected to give a brief presentation of their open problem, and be prepared to work on the problem with other participants during the collaboration sessions. The author(s) of the paper that present the most interesting open problem will be award with an iPad sponsored by INRIA!

RTSOPS 2018 invites extended abstracts of open problems in areas such as, but not limited to:

- Single-core, multi-core, and many-core scheduling
- New models for real-time systems
- Scheduling in cyber-physical systems
- Mixed-criticality scheduling
- Interactions between WCET analysis and scheduling

<http://rtsops2018.loria.fr/>