ECRTS 2011 July 6-8 Porto, Portugal	*in conjunction with the* *23nd Euromicro Intl Conference on Real-Time Systems* *http://www.cister.isep.ipp.pt/ecrts11/*

RTSOPS 2011: 2nd International Real-Time Scheduling Open Problems Seminar

Porto, Portugal, July 5th, 2011

Co-located with ECRTS 2011

Seminar: The 2nd International Real-Time Scheduling Open Problems Seminar (RTSOPS 2011) provides a venue for the exchange of ideas and the discussion of interesting unsolved problems in real-time scheduling. The format of the seminar encourages interaction between participants and provides ample time for relaxed discussions. The goal of the seminar is to promote a spirit of co-operation and collaboration within the real-time scheduling community.

RTSOPS 2011 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.

In addition, authors of open problem submissions from last year's 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.

Scope: Real-time scheduling theory has provided a foundation for understanding and solving resource allocation and scheduling problems in systems that have real-time constraints. New fundamental results are needed to address recent advances and trends in real-time systems design. RTSOPS 2011 encompasses all aspects of real-time scheduling.

Submissions: RTSOPS 2011 invites extended abstracts of open problems in areas such as, but not limited to:

- Multiprocessor, uniprocessor and communications scheduling.
- Multi-criticality scheduling
- Interactions between WCET analysis and scheduling

Submission Details: Extended abstracts (for either new open problems or status reports on previously-presented problems) for RTSOPS 2011 must be written in English, and not exceed two A4 pages in length in single column, 10pt format, including relevant references. The main purpose of the abstract for new open problem submissions should be to provide a clear description of the problem. 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, overviews of special cases that may be useful in solving a problem etc. Abstracts describing progress on an open problem presented at last year's RTSOPS should include a brief statement of the open problem and a description of the technical advances made towards a solution. Abstract submissions should be made electronically, in PDF format only via the Submission Page for RTSOPS 2011. https://www.softconf.com/b/rtsops2011/cgi-bin/scmd.cgi?scmd=basicSubmit

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. Instructions for preparing final copy and presentations will be given when the abstract is accepted. The seminar will also include a number of invited presentations on open problems. RTSOPS 2011 will publish proceedings as a seminar booklet.

By submitting an extended abstract, the authors agree and confirm that: neither this extended abstract nor a version close to it is under submission or will be submitted elsewhere before notification by RTSOPS 2011, and if accepted, at least one author will register for the RTSOPS 2011 seminar by the special registration deadline set in the notification of acceptance, and present the open problem at the seminar in person. Please note that extended abstracts that do not describe real-time scheduling problems will not be accepted. Submissions will be refereed for quality and relevance. Submissions exceeding the page limit may be rejected without review.

Seminar co-chairs

Robert Davis	University of York, UK
Nathan Fisher	Wayne State University, USA

Steering Committee

Björn Andersson	Software Engineering Institute, Carnegie Mellon, USA
Marko Bertogna	Scuola Superiore S.Anna, Pisa, Italy
Liliana Cucu-Grosjean	INRIA, France
Shelby Funk	University of Georgia, USA

Important Dates:

Submission deadline:	15th May 2011
Notification of acceptance:	19th May 2011
RTSOPS Seminar:	5th July 2011
ECRTS Conference:	6th-8th July 2011