



20th EUROMICRO CONFERENCE ON REAL-TIME SYSTEMS

Prague, Czech Republic, July 2-4, 2008

Organised by the Euromicro Technical Committee on Real-time Systems

Conference web site: <http://ecrts08.ecrts.org>

CALL FOR PAPERS

GENERAL CHAIR

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IMPORTANT DATES

11 January 2008

Submission of full papers

24 March 2008

Notification of acceptance

16 April 2008

Camera-ready paper due

1 July 2008

Satellite workshops

THEME AND TOPICS OF INTEREST

The twentieth EUROMICRO Conference on Real-Time Systems (ECRTS'08) is a forum aimed at covering state-of-the-art research and development in real-time computing. Papers on all aspects of real-time systems are welcome. These include, but are not limited to:

APPLICATIONS: consumer electronics; multimedia and entertainment; process control; avionics, aerospace; automotive; telecommunications.

INFRASTRUCTURE AND HARDWARE: communication networks; embedded devices; hardware/software co-design; power-aware and other resource-constrained techniques; systems on chip; time engines and time synchronization; wireless sensor networks.

SOFTWARE TECHNOLOGIES: compiler support; component-based approaches; middleware and distribution technologies; programming languages and operating systems.

SYSTEM DESIGN AND ANALYSIS: modelling and formal methods; probabilistic analysis for RT systems; quality of service support; reliability, security and survivability in RT systems; scheduling and schedulability analysis; worst-case execution time (timing) analysis; validation techniques.

This year we want to continue encouraging the submission of papers on industrial case studies, application of real-time technology on realistic systems, worst-case execution time analysis and measurement, and real-time operating systems implementations. An **Advisory Board** of representatives from industries will be appointed to evaluate papers with respect to industrial or strategic impact.

SUBMISSION OF PAPERS

Full papers must be submitted electronically through our web form in pdf format (see "submission page" in <http://ecrts08.ecrts.org>). The material must be unpublished and not under submission elsewhere. The paper must be in the same format as in the final published proceedings (10 pages maximum, 2 columns, 10 pt). Papers exceeding the maximum length will not be reviewed. See the submission page for more details.

CONFERENCE HIGHLIGHTS

TWENTIETH ANNIVERSARY CELEBRATIONS. In recognition of this being the 20th year of this conference a number of special events will be organised. This will include keynote presentations, historical reflections and visions of the future!

WORK-IN-PROGRESS SESSION. Pursuing a successful tradition in the ECRTS series, a special Work in Progress (WiP) session will be organised. This session is mainly intended for presentation of on-going and recent work.

SATELLITE WORKSHOPS AND TUTORIALS. A set of Satellite Workshops will be organized. They are in most cases the continuation of already successful series of workshops, focusing on hot topics.

A separate call for papers will be issued later for both WiP and satellite workshops. Please visit the conference website later for further information.

AWARDS. In this year's event, besides the Best Paper Award, a selection of best papers will be invited for a Special Issue of an international journal.

LOCAL INFORMATION: The ECRTS 08 Conference will be held in Prague that is the historical, cultural and industrial center of the Czech Republic. The centre of Prague is compact and intimate, making sightseeing a real pleasure. During a walk through the city, you will be met with a huge number of architectural treasures, representative of Prague's rich and varied history. There are Romanesque, Gothic, Renaissance, Baroque and Classicist buildings, as well as various neo-historic styles and Art Nouveau.

PROGRAM COMMITTEE: Tarek Abdelzاهر, Luis Almeida, James H. Anderson, Neil Audsley, Karl-Erik Arzen, Theodore P. Baker, Sanjoy Baruah, Luca Benini, Scott Brandt, Reinder J. Bril, Georgio Buttazzo, Samarjit Chakraborty, Maryline Chetto, Jean-Dominique Decotignie, Rolf Ernst, Gerhard Fohler, Steve Goddard, Jan Gustafsson, Michael González Harbour, Hermann Härtig, Tei-Wei Kuo, George Lima, Giuseppe Lipari, Julio Medina, Frank Muller, Stefan Petters, Michale Pont, Isabelle Puaut, Peter Puschner, Krithi Ramamritham, Pascal Richard, Rodrigo Santos, Eduardo Tovar, Tullio Vardanega, Rich West