21st EUROMICRO CONFERENCE ON REAL-TIME SYSTEMS

Dublin, Ireland, July 1-3, 2009

Organised by the Euromicro Technical Committee on Real-Time Systems

Conference web site: http://ecrts09.ecrts.org

CALL FOR PAPERS

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THEME AND TOPICS OF INTEREST

The twenty first EUROMICRO Conference on Real-Time Systems (ECRTS'09) 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 analysis; validation techniques.

SUBMISSION OF PAPERS

Full papers must be submitted electronically through our web form in a pdf format. The material must be unpublished and not under submission elsewhere.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, single-line spacing). Papers exceeding the maximum length will not be reviewed.

CONFERENCE HIGHLIGTHS

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. Additionally, a set of **Satellite Workshops** focusing on hot topics will be organised. These include the continuation of the already successful real-time networks (RTN) and worst-case execution time (WCET) workshops, the ninth editions). A separate call for papers will be issued later for both WiP and satellite workshops. Please visit the website at / later for further information.

The main conference will include three **Keynote Sessions**, one per day, which will be announced well in advance to the event. In this year's edition, besides the **Best Paper Award**, a selection of best papers will be invited for a **Special Issue** of an international journal.

IMPORTANT DATES

Submission of full papers: ~~January 17th, 2009~~ **January 25th, 2009 !!!**

Notification of acceptance: March 25th

Camera-ready paper due: April, 17th

LOCAL INFORMATION

The University of Dublin, Trinity College, founded in 1592, is the oldest university in Ireland. Standing on a self-contained site in the heart of Dublin, the College covers some 40 acres of cobbled squares and green spaces, around buildings which represent the accumulated architectural riches of nearly three centuries. The campus will provide the facilities for the conference as well as accommodation for conference attendees, a number of pubs and sports facilities with a swimming pool.

Dublin offers a particularly congenial atmosphere and, while small by international standards, it is in all respects a capital city with a full and varied cultural and intellectual life. In close proximity of Trinity's campus, you'll find museums and art galleries as well as pubs and cafes with traditional entertainment.

Dublin airport is conveniently located approximately 10 km north of Dublin city centre. It is amongst the ten busiest airports in Europe and well connected to all major cities in Europe.

PROGRAM COMMITTEE

Luis Almeida, James H. Anderson, Neil Audsley, Karl-Erik Arzen, Theodore P. Baker, Sanjoy Baruah,

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