




18th EUROMICRO CONFERENCE ON REAL-TIME SYSTEMS

Dresden, Germany, July 5-7, 2006

Organised by the Euromicro Technical Committee on Real-time Systems

Conference web site: <http://ecrts06.tudos.org/>

CALL FOR PAPERS

<p>GENERAL CHAIR Hermann Härtig Dresden University of Technology, Germany haertig@os.inf.tu-dresden.de</p> <p>PROGRAM CHAIR Giuseppe Lipari Scuola Superiore Sant'Anna Pisa – Italy lipari@sssup.it</p> <p>REAL-TIME TECHNICAL COMMITTEE CHAIR Gerhard Fohler Malardalen University Vasteras, Sweden gerhard.fohler@mdh.se</p> 	<p style="text-align: center;">THEME AND TOPICS OF INTEREST</p> <p>The eighteen EUROMICRO Conference on Real-Time Systems (ECRTS'06) 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:</p> <p>APPLICATIONS: consumer electronics; multimedia and entertainment; process control; avionics, aerospace; automotive; telecommunications.</p> <p>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.</p> <p>SOFTWARE TECHNOLOGIES: compiler support; component-based approaches; middleware and distribution technologies; programming languages and operating systems.</p> <p>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.</p> <p>This year, we particularly encourage submission of papers on industrial case studies, application of real-time technology on realistic systems, real-time operating systems implementations. In addition, an Advisory Board of representatives from industries and funding agencies has been appointed to evaluate papers with respect to industrial or strategic impact.</p> <p style="text-align: center;">SUBMISSION OF PAPERS</p> <p>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 The material must be unpublished and not under submission elsewhere.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, 2 columns, 10 pt). See submission page for more details.</p> <p style="text-align: center;">CONFERENCE HIGHLIGHTS</p> <p>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), worst-case execution time (WCET) and operating systems (OSPERT) workshops. A separate call for papers will be issued later for both WiP and satellite workshops. Please visit the conference website later for further information.</p> <p>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 a journal (more precise information to be made available later on).</p>
<p>IMPORTANT DATES</p> <p>Submission of full papers: 4-11 December 2005 18 December 2005</p> <p>Notification of acceptance: 18 March, 2006</p> <p>Camera-ready paper due: 15 April, 2006</p>	
<p>LOCAL INFORMATION</p> <p>Dresden is located near the three-country corner Czech Republic, Poland and Germany. It is the capital of the German State Saxony and has a population of about 450,000 people. Dresden is well known for its Barock architecture, art collections, museums and cultural institutions like the Semper Opera. It has a major concentration of scientific institutions and industry, especially in the field of microelectronics. Starting from Dresden, beautiful surroundings such as the picturesque Elbsandstein Mountains and several castles are easily reachable by car or public transportation. In 2006, Dresden has its 800 anniversary with many festivities.</p> <p>The conference will be hosted at the Hilton Hotel in the heart of the city. It is located next to the famous Frauenkirche and just above the Elbe river. Dresden is well connected to the German railway system. Its airport is just outside the city and connected to the city by trains. Weather in July is usually warm and dry.</p>	
<p>PROGRAM COMMITTEE: Tarek Abdalzaher, James Anderson, Ted Baker, Sanjoy Baruah, Luca Benini, Guillem Bernat, Scott Brandt, Alan Burns, Giorgio Buttazzo, Marco Caccamo, Anton Cervin, Alfons Crespo, Jeanne-Dominique Decotignie, Rolf Ernst, Gerhard Fohler, Steve Goddard, Michael Gonzalez, Zdenek Hanzalek, Jorg Kaiser, Lucia Lo Bello, Pau Marti, Daniel Mossé, Frank Muller, Luigi Palopoli, Isabell Puaut, Peter Puschner, Oleg Sokolsky, Rodrigo Santos, Eduardo Tovar, Tullio Vardanega, Paulo Verissimo, Wang Yi</p> <p>ADVISORY BOARD: Franck Boissiere, Johan Eker, Alberto Ferrari, Miah Huzmazan, Liesbeth Steffen</p>	

