ECRTS

7th-10th July 2015 — Lund, Sweden

27th EUROMICRO CONFERENCE ON REAL-TIME SYSTEMS
Lund, Sweden, 7-10th July 2015
Organised by the Euromicro Technical Committee on Real-Time Systems
Conference web site: ecrts15.ecrts.org

CALL FOR PAPERS

PROGRAM CHAIR

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IMPORTANT DATES

Submission Deadline:
1 February, 2015
(firm deadline)
Workshops:
7 July, 2015
Conference:
8-10 July, 2015

THEME AND TOPICS OF INTEREST

ECRTS is the premier European venue for presenting research into the broad area of real-time and embedded systems. Along with RTSS and RTAS, ECRTS ranks as one of the three top international conferences on real-time systems. Papers on all aspects of real-time systems are welcome. These include, but are not limited to:

APPLICATIONS: consumer and multimedia; process and industrial control; smart energy, smart buildings; health; avionics, aerospace; automotive; telecommunications; cyber-physical systems.

INFRASTRUCTURE AND HARDWARE: communication networks; embedded devices; hardware/software co-design; power-aware and other resource-constrained techniques; multicore and manycore architectures for real-time and safety; time engines and time synchronization; wireless sensor networks.

SOFTWARE TECHNOLOGIES: middleware, operating systems, run-time environments; virtualization and isolation; software architectures; programming languages and compiler support; component-based approaches; distribution technologies.

SYSTEM DESIGN AND ANALYSIS: modelling and formal methods for design and analysis; probabilistic analysis; quality of service support; safety, reliability, security and survivability; mixed critical systems; scheduling and schedulability analysis; worst-case execution time analysis; validation and verification 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 The material must be unpublished and not under submission elsewhere. Submissions must be in the same format as in the final published proceedings (10 pages maximum, 2 columns, 10 pt). The paper must be self-contained, but an appendix with supplementary material of up to 2 pages is permitted. Papers exceeding the page limit will not be reviewed. Note that the submission deadline is a firm deadline and will not be extended. A selection of the best papers will receive outstanding paper awards, and will be highlighted as such in the conference proceedings. These papers will form the shortlist for a best paper award, which will be presented at the conference. At ECRTS'15, we aim to be more inclusive and thus accept a larger number of high quality papers than in recent years.

CONFERENCE HIGHLIGHTS

Following a successful tradition at ECRTS, there will be a special Work in Progress (WiP) session. This session is intended for presentation of recent and on-going work. There will also be a continuation of a number of successful Satellite Workshops including: OSPERT: Operating Systems Platforms for Embedded Real-Time applications, WCET: Worst-Case Execution Time analysis, WATERS: Workshop on Analysis Tools and methodologies for Embedded and Real-time Systems, and RTSOPS: Real-Time Scheduling Open Problems Seminar. A separate call for papers will be issued later for both the WiP session and satellite workshops. Please visit the website at ecrts15.ecrts.org.

PROGRAM COMMITTEE

Benny Åkesson, CTU Prague, Czech Republic; Jim Anderson, University of North Carolina, USA; Marko Bertogna, University of Modena, Italy; Konstantinos Bletsas, CISTER/INESC-TEC, ISEP, Portugal; Björn Brandenburg, Max Planck Institute for Software Systems, Germany; Alan Burns, University of York, UK; Rob Davis, University of York, UK; Marco Di Natale, Scuola Superiore S. Anna, Italy; Arvind Easwaran, Nanyang TU, Singapore; Rolf Ernst, TU Braunschweig, Germany; Nathan Fisher, Wayne State University, USA; Gerhard Fohler, TU Kaiserslautern, Germany; Christian Fraboul, Université de Toulouse, France; Christopher D. Gill, Washington University in St. Louis, USA; Hermann Härtig, TU Dresden, Germany; George Lima, Federal University of Bahia, Brazil; Ying Lu, University of Nebraska-Lincoln, USA; Claire Maiza, INPGrenoble / Verimag, France; Julio Luis Medina, University of Cantabria, Spain; Frank Mueller, North Carolina State University, USA; Thomas Nolte, MRTC / Mälardalen University, Sweden; Claire Pagetti, Onera, France; Rodolfo Pellizzoni, University of Waterloo, Canada; Linh Thi Xuan Phan, University of Pennsylvania, USA; Isabelle Puaut, University of Rennes 1/ IRISA, France; Sophie Quinton, INRIA, France; Christine Rochange, IRIT, University of Toulouse, France; Mohamed M. Sabry, Stanford University, USA; Insik Shin, KAIST, Korea; Lothar Thiele, Swiss Federal Institute of Technology Zurich, Switzerland; Theo Ungerer, University of Augsburg, Germany; Marcus Wölp, TU Dresden, Germany; Wang Yi, Uppsala University, Sweden .

LOCAL INFORMATION

Lund is a city where thousand years of history blends with modern knowledge and visions. You will also find all the charm of a small town, side by side with the enticements and comforts of a major city. The city of Lund, with around 100,000 citizens is very much dominated by the students. Besides the academic community. Students from all over the world attend our tradition-rich Lund University, adding a youthful pulse to Lund's cultural and entertainment scene. There are also a number of well-known industries, for example Ericsson, Tetra Pak, Axis, Sony Mobile, and Alfa Laval. Lund is easily reached from Copenhagen airport.