CALL FOR PAPERS

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-constrained techniques; middleware; and other resource-constrained 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 The material must be unpublished and not under submission elsewhere.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.

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 comfort of a major city. The city of Lund, with around 100,000 citizens is very much dominated by the students. Besides the academic community and the entertainments and comforts of a major city. Lund University is easily reached from Copenhagen airport.