CALL FOR PAPERS

The 31st IEEE Real-Time Systems Symposium

November 30 – December 3, 2010
San Diego, CA, USA
Sponsored by the IEEE Computer Society
Technical Committee on Real-Time Systems

Scope of the Conference

The 31st IEEE Real-Time Systems Symposium (RTSS) in San Diego, California, will follow the format of recent RTSSs, with multiple tracks. RTSS is the premier conference in the area of real-time computing, presenting innovations in the field with respect to theory and practice.

RTSS provides a forum for the presentation of high-quality, original research covering all aspects of real-time systems design, analysis, implementation, evaluation, and experiences. RTSS'10 continues the trend of making RTSS an expansive and inclusive symposium, looking to embrace new and emerging areas of real-time systems research.

RTSS'10 welcomes the submission of mature papers in several areas of real-time computing, including but not limited to scheduling; databases; observability; composability; security for real-time systems; tools and reduction to practice; control and adaptive RT systems theory; testing and debugging; modeling; formal methods; communications (wireless, wireline, and sensor networks); power, thermal, and energy management; embedded systems; sensor and implantable devices; robustness; fault tolerance and robustness; intelligent behavior; time-sensitive robotics; emergency/disaster management; embedded real-time systems and infrastructures; QoS support; real-time systems middleware, and cyber-physical systems.

In addition to the main real-time track, this year we will continue the successful format of previous years with three specialized tracks:
- Cyber-physical systems
- Design and Verification of Embedded Real-Time Systems
- Wireless Sensor Networks

Although authors will choose which tracks to submit papers to, a paper may be redirected to a more appropriate track. All papers will appear in the main program.

Paper Submission Guidelines

Paper submissions should be 10 pages in two-column, single-space, 10pt format that describe original work not previously published and not concurrently submitted elsewhere. Website: www.rtss.org

Organizing Committee

General Chair:
 Theodore P. Baker, Florida State University, USA

Program Chair:
 Scott A. Brandt, University of California, Santa Cruz, USA

Finance Chair:
 Christopher D. Gill, Washington University in St. Louis, USA

Ex-Officio (TC Chair):
 Raj Rajkumar, Carnegie Mellon University, USA

Important Dates

May 16, 2010 – HARD Deadline for paper submissions (per TCRTS policy, NO EXTENSIONS will be given)
August 8, 2010 – Notification of acceptance
September 12, 2010 – Camera-ready deadline
November 30, 2010 – Workshops
December 1-3, 2010 – Symposium