Call for Papers

RTCSA 2016 is going to be held in Daegu, South Korea and organized by DGIST. The RTCSA conference series carry on with the tradition and bring together researchers and developers from academia and industry for advancing the technology of embedded and real-time systems and their emerging applications including the Internet of things and cyber-physical systems.

RTCSA seeks both research and industry track papers that describe research or technical aspects in the area of embedded and real-time systems. Proceedings will be published by the IEEE Computer Society. More information on RTCSA 2016 can be found at http://www.rtcsa.org

Scope of Conference

The 22nd RTCSA will bring together researchers and developers from academia and industry for advancing the technology of embedded and real-time systems and their emerging applications including the Internet of things and cyber-physical systems. The conference has the following goals: to investigate advances in embedded and real-time systems, system design practice and emerging applications; to promote interaction among the areas of embedded and real-time computing, system design practice and emerging applications; to evaluate the maturity and directions of embedded and real-time system, system design practice and emerging applications technology. RTCSA 2016 seeks papers that describe original research in the area of embedded and real-time systems and their emerging applications. This includes, but is not limited to:

- **Embedded Systems Track**
  - Embedded System Architectures
  - Operating Systems and Scheduling
  - Power/Thermal Aware Design Issues
  - Fault Tolerance and Security
  - Sensor-based Systems and Applications
  - Embedded Systems and Design
  - Reconfigurable Computing
  - Ubiquitous and Distributed Embedded Systems and Networks

- **Real-Time Systems Track**
  - Real-Time Operating Systems
  - Real-Time Scheduling
  - Timing Analysis
  - Programming Languages and Run-Time Systems
  - Middleware Systems
  - Design and Analysis Tools
  - Communication Networks and Protocols
  - Media Processing and Transmissions
  - Real-Time Aspects of Wireless Sensor Networks
  - Energy Aware Real-Time Methods
  - Real-Time Aspects of Databases

- **IoT, CPS, and Emerging Applications Track**
  - Systems, Technology and Foundations of IoT and CPS
  - Applications and Case Studies of IoT and CPS
  - Smart and Connected Health
  - Industrial Internet and Industry 4.0
  - Smart City Technology and Applications
  - Smart Transportation and Infrastructure
  - Cyber-Physical Co-Design
  - Cloud, Middleware and Networks for IoT and CPS
  - Wireless Sensor-Actuator Networks for IoT and CPS
  - Industrial Networks and Systems

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**Paper Submissions**

Both research and industry track papers are solicited. The submitted manuscript must describe original work not previously published and not concurrently submitted elsewhere. Submissions should be no more than 10 pages in the IEEE conference proceedings format (two-column, single-space, 10pt). Conference content will be submitted for inclusion into IEEE Xplore, and will be EI indexed. The prospective authors should submit their papers through the submission web page at https://www.softconf.com/g/rtcsa16/.

**Work-in-Progress Session**

This session provides an opportunity for researchers attending RTCSA to present and discuss their research. More detailed information is available on the web.

**Special Issue for Selected Papers**

Selected papers will be recommended to submit the extended versions to the special issues of SCI(E)-indexed Journals.

**Important Dates**

- **Submission Deadline**: March 24, 11:59pm GMT-12
- **Acceptance Notification**: May 1
- **Camera-ready Submission**: June 8 (Tentative)
- **Conference Dates**: August 17-19

**Organized by**: DGIST

**Sponsored by**:

- IEEE Computer Society
- Technical Committee on Real-Time Systems
- Cyber Physical Systems Global Center

http://www.rtcsa.org