

# RTCSA 2020 - Virtual

Submitted by Anonymous on Thu, 07/23/2020 - 1:26pm

[Aug 19, 2020 7:00 am - Aug 21, 2020 6:00 pm KST](#)

## 26th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2020)

RTCSA 2020 is going to be held virtually due to COVID-19. The RTCSA conference series (now at its 26th edition) brings together researchers and developers from academia and industry for advancing the technology and the theory to design and develop time-sensitive applications. All traditional applications in which temporal aspects need to be considered are in the scope of the conference. CPS, (Industrial) IoT, embedded systems, fog/edge/cloud computing are just notable examples. RTCSA welcomes both research and industrial 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 on IEEExplore and will be indexed by most search engines including Scopus, Web of Science, DBLP.

### Topic of Interest

The 26th edition of RTCSA will bring together researchers and developers from academia and industry to promote cross-fertilization and discuss advances and trends in the technology of embedded and real-time systems and their emerging applications, including the Internet of Things and Cyber-Physical Systems. RTCSA 2020 seeks papers that describe original research in the following areas, but are not limited to:

#### \*\*\* REAL-TIME SYSTEMS TRACK \*\*\*

- Real-Time Scheduling
- Workload models for real-time systems
- Temperature/Energy-aware Scheduling
- Scheduling over heterogeneous architectures
- Scheduling over distributed architectures
- Timing Analysis
- Formal methods for temporal guarantees
- Programming Languages and Run-Time Systems
- Middleware Systems
- Communication Networks and Protocols of Real-Time Systems

- Time-Sensitive Media Processing and Transmissions
- Latency and throughput in Real-Time 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
- Medical CPS
- Cloud, Middleware and Networks for IoT and CPS
- Wireless Sensor-Actuator Networks for IoT and CPS

\*\*\* EMBEDDED SYSTEMS TRACK \*\*\*

- Multi-Core Embedded Systems
- Operating Systems
- Non-Volatile Memory and Storage
- Power/Thermal Aware Design
- Fault Tolerance and Security
- Sensor-based Systems and Applications
- Reconfigurable Computing Architectures and Software Support
- Ubiquitous and Distributed Embedded Systems and Networks
- Embedded Systems for Machine-Learning

Event Details

**Location:** Virtual

**URL:** <https://rtcsa2020.github.io/>

[Sync this event to your calendar](#)



[Embedded Software Concurrency and Timing](#) [Real-time Systems](#) [Systems Engineering](#) [Real-Time Coordination](#) [CPS Technologies](#) [Foundations 2020 Conference](#)

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