

# Special Issue on Emerging Safety, Efficiency, and Security of Embedded Software and Systems on Internet of Things

## IEEE Internet of Things Journal

The advancement of embedded software and systems, such as intelligent vehicles, industrial robots, wearable devices, and Internet-of-Things, has great societal and economic impacts. It is of utmost importance to ensure the safety, efficiency, and security of their design and implementation. The IEEE International Conference on Embedded Software and Systems (ICCESS) is a global forum for researchers and developers from academia, industry, and government to present and discuss emerging ideas and trends in embedded software and systems. The conference has a broad scope covering the design, implementation, optimization, and validation of embedded software and systems in various domains, with recent focus on cyber-physical systems, Internet-of-Things, embedded security, and autonomous software systems.

This Special Issue on Emerging Safety, Efficiency, and Security of Embedded Software and Systems on Internet of Things solicits topics as follows, but not limited to:

- ***Systems, Models & Algorithms Track***
  - Embedded System Architecture
  - Embedded Software Architectures
  - Fault Tolerant and Trusted Embedded Systems
  - Mixed-Criticality Embedded Systems
- ***Design Methodology & Tools Track***
  - Design Technologies of Embedded Systems
  - Formal Methods for Embedded Systems
  - Testing Techniques for Embedded Software/Systems
  - Verification and Validation for Embedded Systems
  - Safety of Machine Learning for Embedded Systems
- ***Emerging Embedded Applications and Interdisciplinary Topics Track***
  - Intelligent Embedded Systems
  - Machine Learning for Embedded Applications
  - Assured Autonomy for Safety-Critical CPS
  - Automotive and Avionics Systems
  - Network Protocols and Security

### Submission Format and Guideline

All submitted papers must be clearly written in excellent English and contain only original work, which has not been published by or is currently under review for any other journal or conference. Author guidelines and submission information can be found at <http://iot.ieee.org/journal>. All manuscripts and any supplementary material should be submitted through IEEE Manuscript Central, <http://mc.manuscriptcentral.com/iot>. The authors must select as “SI: Emerging Safety, Efficiency, and Security of Embedded Software and Systems on Internet of Things” when they reach the “Article Type” step in the submission process.

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### Important dates

Submission due:	February 15, 2021
First round of review results (roundpass):	May 1, 2021
Revision due:	June 15, 2021
Second round of review/Notification:	July 15, 2021
Final manuscript due:	July 30, 2021
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