



# Embedded Systems Week

[www.esweek.org](http://www.esweek.org)

October 4 – October 9, 2026

Barcelona, Spain



## Call for Papers

### 2026 International Conference on Embedded Software (EMSOFT)

October 4 – October 9, 2026, Barcelona, Spain

**EMSOFT** (*ACM/IEEE International Conference on Embedded Software*) aims at advancing the science and engineering of **embedded software**. Since 2001, EMSOFT has been at the forefront of embedded software innovation, connecting academia, industry, and government. At EMSOFT, cutting-edge research meets practical application in designing and analyzing software that brings the digital and physical worlds together. EMSOFT's tradition is at the heart of *cyber-physical and embedded systems*, where computation, networking, and physical dynamics converge.

#### Journal Track:

Abstract Submission: March 23, 2026

Full Paper Submission: March 30, 2026 (firm)

Notification of Acceptance: July 17, 2026

#### Late Breaking and Work-in-Progress Tracks:

Paper Submission: June 5, 2025 (firm)

Notification of Acceptance: July 17, 2025

**All submissions are due by midnight, AOE.**

We invite submissions on all aspects of embedded software systems, including but not limited to:

#### • Embedded distributed, networked systems

- Time-critical embedded systems
- Multi-/many-core processors, hardware accelerators
- Embedded operating systems and middleware
- Scheduling, resource allocation, and execution time analysis
- QoS management and performance analysis
- Hardware and software co-design

#### • Embedded software design and analysis

- Energy-efficient embedded software
- Safety/Mixed-critical embedded software
- Software design and analysis for cyber-physical systems
- Embedded software architectures for data-intensive applications and signal processing

#### • Cyber-security, safety, resilience and fault-tolerance

- Embedded software security and privacy
- Embedded software safety
- Robust implementation of control systems

#### • Processes and methods

- Formal modeling and verification
- Testing, validation, and certification
- Model- and component-based approaches
- Empirical studies and their reproduction
- Sustainability and energy optimization
- Application areas including automotive, avionics, energy, health care, mobile devices, multimedia, machine learning, and autonomous systems

Submitted manuscripts must be **double blind**. Authors should not reveal their identity directly or indirectly (e.g., through references). The submitted work must be **original**, not formerly published or under review elsewhere.

The EMSOFT 2026 journal track will follow a **two-stage review** process. Authors of papers that pass the first review stage will revise their work based on the received comments, within a short time frame (around two weeks). Papers accepted at the second stage will appear in IEEE TCAD (see below).

**Journal-Integrated Publication Model:** All full papers accepted in EMSOFT'26 will be published in **IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)**. All late-breaking papers accepted in one of the three conferences will be published in **IEEE Embedded Systems Letters (ESL)**. See details at <https://esweek.org/author-information>.

#### ESWEEK General Chairs:

Andy Pimentel, University of Amsterdam, Netherlands  
Mohammad Al Faruque, UC Irvine, US

#### EMSOFT Program Chairs:

Borzoo Bonakdarpour, Michigan State University, USA  
Li-Pin Chang, National Yang Ming Chiao Tung University, Taiwan

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