Call for Late-Breaking (LB) and Work-in-Progress (WIP) Papers
International Conference on Embedded Software
September 17 –22, 2023, *Hybrid Conference*

The ACM SIGBED International Conference on Embedded Software (EMSOFT) brings together researchers and developers from academia, industry, and government to advance the science, engineering, and technology of embedded software development. Since 2001, EMSOFT has been the premier venue for cutting-edge research in the design and analysis of software that interacts with physical processes. Specifically, the conference has a long-standing tradition of presenting results on cyber-physical systems, which integrate computation, networking, and physical dynamics.

LB/WiP Paper Submissions:
 May 22, 2023 (firm)
First round of notification:
June 2, 2023
Submit revision: June 19, 2023
Final notification: July 3, 2023

Late-Breaking (LB) Result papers provide a venue for quick dissemination of research ideas to the embedded systems community and are expected to represent complete and mature works written in a condensed form.

Work-in-Progress (WIP) papers are intended as a venue to report early or ongoing research activities representing work that has not been fully realized or developed, for which full empirical data may not yet be available, or that has not yet reached a level of maturity expected for other types of submissions.

Submissions are invited 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 for cyber-physical systems
  - Embedded software architectures for data-intensive applications and signal processing
- Resilience
  - Embedded software security
  - Robust implementation of control systems
- Process, methods
  - Formal modeling and verification
  - Testing, validation, and certification
  - Model- and component-based approaches
- Empirical studies and their reproduction
- Sustainability, energy sobriety, low techs
- Application areas including automotive, avionics, energy, health care, mobile devices, multimedia, machine learning, and autonomous systems.

ESWEEK invites you to submit original research articles for **LB** (up to 4 pages) and **WIP** (up to 2 pages) papers, in IEEE/ACM 10 pt double-column format. Both LB and WIP papers will go through 2 rounds of reviews. If accepted, LB papers will be published in **IEEE Embedded Systems Letters**, while WIP papers will be published in ESWEEK proceedings of the respective conferences. Authors of accepted LB and WIP papers will present a poster of their work, and a lightning talk at ESWEEK. Authors of accepted LB papers will also need to submit a 3-minute video with their final camera-ready version (to be uploaded to the submission system following instructions communicated in the acceptance notifications).

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