

EMSOFT 2011

International Conference on Embedded Software

The International Conference on Embedded Software (EMSOFT) brings together researchers and developers from academia, industry, and government to advance the science, engineering, and technology in embedded software development. EMSOFT 2011 is part of the Embedded Systems Week.

Since 2001, EMSOFT has been the premier venue for cutting-edge research in the design and analysis of software that interacts with physical processes. This focus on all aspects of the development of embedded software makes EMSOFT a premier venue with a long-standing tradition for results on cyber-physical systems, which compose computation, networking, and physical dynamics.

Program Chairs: Prof. Sanjoy Baruah (University of North Carolina at Chapel Hill) and Prof. Sebastian Fischmeister (University of Waterloo, Canada)

Areas of Interest

- Design and implementation of embedded software
- Modeling and validation
- Model- and component-based software design and analysis
- Programming languages and compilers
- Software engineering and programming methodologies
- Scheduling and execution time analysis
- Operating systems and middleware
- QoS management and performance analysis
- Hardware-dependent software and interfaces
- Distributed, networked embedded systems and security
- Software frameworks for cyber-physical systems
- Embedded control and communication
- Software for multiprocessor/multicore embedded systems and systems-on-chip
- Application areas, e.g., automotive, avionics, energy, health care, mobile devices, multimedia

Paper Submission

- Papers should represent original work, not published or submitted for publication in other forums.
- A blind review process will be enforced. Authors should not reveal authorship directly or indirectly through references.
- Papers must be in PDF format and should not exceed **10 pages** in ACM two-column format (9pt on 8.5"x11" letter size paper). For formatting instructions and templates, visit the [ACM web site](#). Formal proceedings will be published on CD-ROM and web page forms (copyright by ACM and IEEE).