
Call for Papers — EMSOFT 2012

The 12th International Conference on Embedded Software

October 7–12
Tampere, Finland

The 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. EMSOFT 2012 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.

TOPICS OF INTEREST

Testing and validation, Formal verification
Software design and implementation
Virtual prototyping and system-level design for embedded software
Model- and component-based software design and analysis
Programming languages
Compiler optimizations
Software engineering and programming methodologies
Scheduling and execution time analysis
Operating systems and middleware
QoS management and performance analysis, energy consumption
Hardware-dependent software and interfaces
Distributed, networked embedded systems and security
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, cyber-physical systems
Replication, reproduction, and confirmation of empirical results
Empirical studies related to embedded systems

IMPORTANT DATES

Abstract submission	April 4, 2012
Full paper submission	April 11, 2012
Acceptance notification	July 3, 2012
Final version submission	July 31, 2012
Conference	October 7-12, 2012

PROGRAM CO-CHAIRS

Florence Maraninchi
Grenoble INP / ENSIMAG & Verimag
France
Florence.Maraninchi@imag.fr

John Regehr
Scholl of Computing, University of Utah
USA
regehr@cs.utah.edu

PROGRAM COMMITTEE

James Anderson, U. of North Carolina at Chapel Hill, USA
Purandar Bhaduri, IIT Guwahati, India
Geoff Challen, State University of New York, Buffalo USA
Pascal Cuoq, CEA LIST Paris, France
Stephen A. Edwards, Columbia University, USA
Petru Eles, Linköping University, Sweden
Heiko Falk, Ulm University, Germany
Gerhard Fohler, TU Kaiserslautern, Germany
Martin Frnzle, Oldenburg University, Germany
Abdoulaye Gamatié, LIFL/CNRS, France
Chris Gill, Washington University in St. Louis, USA
Edward Lee, UC Berkeley, USA
Guisepppe Lipari, Scuola Superiore Sant'Anna, Italy
Rahul Mangharam, University of Pennsylvania, USA
Michael Norrish, NICTA, Australia
Gabriel Parmer, George Washington University, USA
Marc Pouzet, ENS Paris, France
Thomas Schmid, University of Utah, USA
Insik Shin, KAIST, Korea
S. Ramesh, General Motors Bangalore, India/USA
Oleg Sokolsky, University of Pennsylvania, USA
Lothar Thiele, ETH Zurich, Switzerland
Stavros Tripakis, UC Berkeley, USA
Reinhard von Hanxleden, Kiel University, Germany
Flavio Wagner, UFRGS, Brazil
Reinhard Wilhelm, Saarland University, Germany
Kamin Whitehouse, University of Virginia, USA
Wang Yi, Uppsala University, Sweden

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 CDROM and web page forms (copyright by ACM and IEEE).

SUBMISSION ADDRESS

<http://www.emsoft.org/>