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

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