

SEC 2008

The Fifth IEEE International Symposium on Embedded Computing



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Beijing, China, Oct
6-8, 2008

Submission Due
Date: April 16th,
2008



NEWS AND UPDATES:

Notification of Acceptance has been extended to **Jun 12th, 2008** due to extension in submission.

The paper submission deadline has been extended to **Apr 16th, 2008** due to numerous delay requests. This will be the final deadline and no further extension will be given.

SCOPE AND INTERESTS:

In today's world, embedded computers are everywhere: automobiles, airplanes, home appliances, medical devices, cell phones, network processors, handhelds, digital audio/video, imaging, game consoles, graphics and other system-on-a-chip (SoCs). Only recently has embedded computing moved from craft to an emerging and very promising discipline.

The IEEE SEC is aiming to be a premier international conference in embedded computing. This symposium is to bring together computer scientists, industrial engineers and researchers to discuss and exchange experimental or theoretical results, novel designs, work-in-progress, experience, case studies, and trend-setting ideas in the area of embedded computing include all aspects of embedded computing systems with emphasis on algorithms, systems, models, compilers, architectures, tools, design methodologies, test and applications.

Among the main topics (but not limited to) are:

- * Embedded System Architectures
- * Embedded Software Development and Optimizations
- * Cyber-Physical Systems
- * Security and Fault Tolerance
- * Embedded Hardware Support
- * Hardware/Software Co-design
- * Real-time Systems
- * Power and Energy-aware Computing
- * Sensor Networks
- * Pervasive Computing & Communications
- * Middleware and Peer-to-Peer Computing
- * Internet Computing and Applications
- * Multimedia and Data Management
- * Human-computer Interaction
- * Mobile Computing
- * Agents and Distributed Computing
- * Application-specific Processors and Devices
- * Industrial Practices and Benchmark Suites
- * Supporting Technologies: SoC, FPGA, etc.
- * Embedded & Ubiquitous Applications Development

* Emerging New Topics: New challenges for next generation embedded computing systems, arising from new technologies (e.g., nanotechnology), new applications (e.g., ubiquitous computing, embedded internet tools), new principle (e.g., embedded engineering), etc.

SUBMISSION INFORMATION:

Go to the conference web site to submit papers.

Submitted papers should represent original, substantive research results. We will not accept any paper which, at the time of submission, is under review for or has already been published (or accepted) for publication in another conference or journal venue.

Submissions should include an abstract with 5-10 keywords, the e-mail address of the corresponding author, and must not exceed 20 pages, including tables and figures, in PDF format. Submission of a paper should be regarded as assurance that, should the paper be accepted, at least one of the authors should attend the conference to present the work.

Contributions will be reviewed by at least three reviewers from both Program Committee and external reviewers for relevance and technical contents on basis of papers. The Conference Proceedings will be published by IEEE Press, included in the database of IEEE-Xplore™ and the IEEE Computer Society (CSDL) digital libraries (indexed by EI). Selected papers will be published on a special issue of Journal of Embedded Computing from IOS Press, The Netherlands.

IMPORTANT DATES:

Paper submission Due: April 2, 2008

Notification of Acceptance: June 1, 2008

Final camera-ready paper July 6, 2008

Author Registration July 6, 2008

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