

# The 6<sup>th</sup> International Conference on Embedded Software and Systems (ICISS-09)

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Sponsored by Zhejiang University, China

IEEE Computer Society Technical Committee on Scalable Computing

Hangzhou, Zhejiang, China, May 25-27, 2009



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## Important Dates

Workshop Proposal: December 01, 2008  
Submission Deadline: December 15, 2008  
Authors Notification: February 01, 2009  
Final Manuscript Due: February 21, 2009  
Conference dates: May 25 - 27, 2009

## Sponsors

Zhejiang University, China and IEEE CIS Task Force on  
Ubiquitous Computing and Intelligence

## INTRODUCTION

Embedded systems are closely related to our daily life, which reside from smart appliances to unmanned trains. As the fastest growing industry, embedded systems will have great societal and environmental impacts. Therefore, the design and implementation of safe and efficient embedded software and systems have utmost importance.

The 6<sup>th</sup> International Conferences on Embedded Software and Systems (ICISS'09) will come back to Hangzhou again after the sequence of ICISS'04 in Hangzhou, China; ICISS'05 in Xi'an, China; ICISS'06 in Shanghai, China; and ICISS'07 in Daegu, Korea and ICISS'08 in Chengdu, China. Hangzhou is the capital of Zhejiang Province. The famous Chinese saying "Above is heaven, below is Hangzhou" pretty well describes the glamorous city of Hangzhou! With the world famous West Lake and its amazing scenery and fascinating cultural attractions, Hangzhou is indeed "Haven on Earth"!

The goal of ICISS09 is to provide a forum for scientists, engineers and researchers to discuss and exchange novel ideas, results, experiences and work-in-process on all aspects of embedded software and systems.

Topics of interest include (but are not limited to):

### A. Systems, Models and Algorithms

- Embedded Hardware and Architectures
- Embedded Software/Agent
- Embedded Real-Time Systems
- Power Aware Computing
- Distributed Embedded Computing
- Pervasive/Ubiquitous Computing
- Programming Language Supports
- Fault Tolerant & Trusted Embedded Systems
- System on Chip (SoC) and Multicore systems
- Real-Time Operating Systems
- Cyber-Physical Systems
- Model of Physical Systems
- Mobile Computing
- Reconfigurable Computing

### B. Design Methodology and Tools

- Hardware/Software Co-Design
- Formal Methods for Embedded Systems
- Embedded Component Technology
- Middleware for Embedded Systems
- Hardware/Software Co-Verification
- Compilation and Debug Techniques
- IDE and Software Tools
- Performance evaluation techniques/tools

### C. Embedded Applications and Interdisciplinary Topics

- Intelligent Embedded Systems
- Image and graph processing
- Network Protocol and Security
- Emergency and Disaster Management
- Wireless Sensor Networks
- Robotics and Control Systems
- QoS Supports for Embedded Systems
- Embedded Database & Multimedia Systems
- Consumer electronics
- Automotive, medical and avionics systems

## Submission and Publication

All papers need to be submitted electronically through the conference website (<http://www.icess.org/>) with PDF format. The materials presented in the papers should not be published or under submission elsewhere. The submission should not exceed 16 pages with double-space, single column and font size of at least 10-point (including all figures, tables and references). Submissions that are excessively long may be returned without reviews.

Once accepted, the paper will be included into the IEEE conference proceedings published by IEEE CS Press (indexed by EI). Authors (at least one) of any accepted paper are requested to register and present their work at the conference. Otherwise, the paper may be removed from the digital libraries of IEEE CS.

The selected best papers, after further revisions, will be sought to publish in the special issues of Journal of Embedded Computing (JEC), International Journal of Embedded Systems (IJES), and other SCI-indexed international journals.

## WORKSHOP PROPOSAL

In conjunction with the ICISS-09, several workshops/symposia will be planned. If you would like to organize a workshop that are closely related to the conference's theme, please submit a workshop proposal including call for paper, organizing committee, important dates, contact person, short bio of the organizers to the ICISS-09 workshop chairs before December 1, 2008. Proceedings of the ICISS-09 workshops will be published by IEEE CS Press. The workshops with more than 15 papers will be granted with one free complimentary registration and local accommodation for the leading workshop organizer.

