



The 2008 International Conference on Embedded Software and Systems

Chengdu, Sichuan, China, July 29-31, 2008

Website: <http://icess2008.comp.polyu.edu.hk>

Call for Papers

The 2008 International Conference on embedded Software and Systems (ICISS'08) will be held in Chengdu, as a sequence of ICISS'04 in Hangzhou, ICISS'05 in Xi'an, ICISS'06 in Shanghai, China, and, ICISS'07 in Daegu, South Korea. Chengdu is the capital of Sichuan (Szechwan) Province in southwestern China, a modern metropolitan with 2310-year history and rich cultural heritage, featuring relaxing lifestyle, spicy Szechwan cuisine, lovely rare panda and numerous historic and scenery sites nearby including three UNESCO World Heritages (cultural heritages: Dujiangyan-Qingcheng Mountain, Emei Mountain-Leshan Giant Buddha; natural heritage: Jiuzhaigou-Huanglong).

The goal of [ICISS'08](http://icess2008.comp.polyu.edu.hk) is to provide a forum for scientists, engineers, and researchers to discuss and exchange their new ideas, novel results, work in progress and experiences on all aspects of embedded software and systems. Topics of particular interest include, but are not limited to:

A. Systems, Models and Algorithms

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| A1 Embedded Real-time Systems | A2 Safety, Fault-Tolerance or Trusted Embedded Systems |
| A3 Embedded Hardware and Architecture | A4 SoC |
| A5 Embedded Software | A6 Embedded Real-time Operating System |
| A7 Pervasive/Ubiquitous Computing | A8 Mobile Computing |
| A9 Power-aware Computing | A10 Reconfigurable Computing |
| A11 Agent and Distributed Embedded Computing | A12 P2P Embedded Computing |

B. Design Methodology and Tools

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| B1 Hardware/Software Co-design | B2 Hardware/Software co-Verification |
| B2 Formal Methods for Embedded Software | B3 Compilation & Debug Techniques for Embedded Architectures |
| B4 Embedded Component and Reusing technology | B5 IDE & Software Tools for Embedded Systems |
| B6 Embedded Systems Middleware | B7 Performance evaluation technologies of embedded systems |

C. Applications and Interdisciplinary Topics

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| C1 Intelligent Embedded Systems | C2 Wireless Communications |
| C3 Image and graph processing | C4 Database, Multimedia, Game and HCI |
| C5 Network Protocol and Security | C6 QoS support |
| C7 Emergency/Disaster management | C8 Robotics and Control Systems |
| C9 Wireless Sensor Networks | C10 Consumer electronics |
| C11 Applications in automotive, telecom, avionics, storage, medical devices, test & measurement instrument, industrial control, etc. | |

All papers must be submitted electronically through <http://icess2008.comp.polyu.edu.hk>. A submission should include an abstract, 5-10 keywords, the e-mail address of the corresponding author, and must not exceed 15 pages, including tables and figures, with PDF format. The material must not be published or under submission elsewhere. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors must attend the conference to present the work in order that the accepted papers can be put into the digital library of IEEE CS (indexed by EI). The selected best papers will be published in special issues of Journal of Embedded Computing (JEC), International Journal of Embedded Systems, International Journal of High Performance Computing and Networking and Journal of System-on-Chip.

Organization Committee:

- General Chairs: Prof. Shuvra S. Bhattacharyya, Univ. of Maryland, USA
 Prof. Xingshe Zhou, Northwestern Polytechnic Univ., China
 Prof. Bing Guo, Sichuan Univ., China
- Program Committee Chair: Dr. Zili Shao, Hong Kong Polytechnic University, Hong Kong
 Prof. Xiangke Liao, National Univ. of Defense Technology, China
- Steering Committee Chairs: Prof. Laurence T. Yang, St. Francis Xavier Univ., Canada
 Prof. Jiliu Zhou, Sichuan Univ., China
 Prof. Zhaohui Wu, Zhejiang Univ., China
 Prof. Tao Li, Sichuan Univ., China

Important Dates:

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| Deadline for submission: | February 10, 2008 | Notification of acceptance: | March 15, 2008 |
| Deadline for final version: | April 1, 2008 | | |