Welcome to the 2008 International Conference on Embedded Software and Systems (ICESS-08), held in Chengdu, Sichuan, China, on July 29-31, 2008. On behalf of the organizing committee of ICESS-08, we would like to express to all of participants our cordial welcome and high respect.

Embedded systems, i.e., computers inside products, have been adopted widely in many domains, including traditional control systems, medical instruments, wired and wireless communication devices, aerospace equipment, human-computer interfaces, and sensor networks. The ICESS conference aims to advance embedded software and systems research, development, and design competence, and to enhance international communication and collaboration. It consists of the traditional core area of embedded systems in architecture, software, hardware, real-time computing, and testing and verification, as well as additional areas of special emphasis: pervasive/ubiquitous computing and sensor networks, HW/SW co-design and SoC, wireless communications, power-aware computing, security and dependability, and multimedia.

The ICESS-08 is the event in a series of highly successful International Conferences on Embedded Software and Systems, previously held as ICESS-07 (Daegu, Korea, USA, May, 2007), ICESS-06 (Shanghai, China, December, 2006), ICESS-05 (Xian, China, December, 2005), and ICESS-04 (Hangzhou, China, December, 2004). ICESS-08 consists of the main conference and 3 symposia on Hardware/Software Optimization for Embedded Systems, Advances in Mobile and Networked Embedded Systems and Industrial Embedded Applications, respectively. Through ICESS-08, around xxx paper presentations from more than xx countries or regions and three keynote sessions by distinguished guest speakers are presented during these three days.

ICESS-08 is supported by many people and organizations, as well as the general chairs whose main responsibility is to coordinate the various tasks carried out with other willing and talented volunteers. First of all, we want to thank Professors Laurence T. Yang, Zhaohui Wu, Jili Zhou and Tao Li, the Steering Chairs of ICESS-08, for giving us the opportunity to hold this conference and for their guidance on organizing the conference. We would like to express our appreciation to Professors Lionel Ni and Edwin Sha and Dr. Weiwu Hu for their acceptance of our invitation to be the keynote speakers. We would like to give our special thank to Program Chairs, Dr. Zili Shao and Professor Xiangke Liao, for their hard and excellent work on organizing a very strong program committee, outstanding reviewing process to select high quality 90 papers from a large number of submissions (483), and making excellent conference program. We are grateful to all symposia chairs for their professionals and excellence in organizing the attractive symposia, and other committee chairs, advisory members and PC members for their great supports. We appreciate all of authors to submit your high-quality papers to ICESS-08 main conference and 3 symposia, thank all of you for participating CSE-08, and hope you find the conference stimulating and instructive, at the same time enjoy the city of Chengdu, Sichuan, China.

Shuvra S. Bhattacharyya, University of Maryland, USA
Xingshe Zhou, Northwestern Polytechnic University, China
Bing Guo, Sichuan University, China
General Chairs of ICESS-08