Welcome to the 8th IEEE International Conference of Embedded Computing (EmbeddedCom 2009) sponsored by IEEE Computer Society, organized by Dalian University of Technology, China. On behalf of the organizing committee of EmbeddedCom 2009, we would like to express to all of participants our sincere and warm welcome.

EmbeddedCom 2009 is aiming to be a premier international conference in embedded computing. This conference 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 all aspects of embedded computing emphasis on algorithms, systems, models, compilers, architectures, tools, design methodologies, test and applications. EmbeddedCom 2009 consists of the main conference and one workshop. EmbeddedCom 2009 will be held together with ScalCom 2009. Totally, around 50 paper presentations and two keynote sessions by distinguished guest speakers are presented during these three days.

EmbeddedCom 2009 obtains the support of 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 Laurence T. Yang, the Steering Chairs of EmbeddedCom, 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 Lionel Ni and Minyi Guo for accepting our invitation to be the keynote/invited speakers.

We would like to give our special thanks to Program Chairs, Meikang Qiu, Yongxin Zhu, and Nicolas Navet for their hard and excellent work on organizing a very strong Program Committee, outstanding reviewing process to select high-quality papers, and making an excellent conference program. We are grateful to all workshop organizers for their professional expertise and excellence in organizing the attractive workshops/symposia, and other committee chairs, advisory members, and PC members for their great support. We appreciate all of authors who submitted their high-quality papers to the EmbeddedCom 2009 main conference and workshops/symposia.

Last but not least, we would like to greatly thank the EmbeddedCom 2009 local organizing team, Yanming Shen, Kai Lin, Chong Yao, and Lulu Sun for their hard work, nice services, and wonderful local arrangement to hold the conference, as well as the diligent efforts from Andy Yongwen Pan and Tony Li Xu for their maintenance and help on the EmbeddedCom 2009 paper submission and registration system.

We thank all of you for participating in the EmbeddedCom 2009 conference, and hope you find the conference stimulating and interesting.

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General Chairs of EmbeddedCom 2009