Message from the DASC 2009 Chairs

It is our great pleasure to welcome you to The Eighth IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC 2009), Chengdu, December 12-14, 2009. On behalf of the Organizing Committee of DASC 2009, we would like to express our cordial welcome and utmost respect to all participants.

As computer systems become increasingly large and complex, their dependability, security, and autonomy play critical role in supporting next-generation science, engineering, and commercial applications. These systems consist of heterogeneous software/hardware/network components of changing capacities, availability, and in varied contexts. They provide computing services to large pools of users, and thus are exposed to various dangers such as accidental/deliberate faults, virus infections, malicious attacks, illegal intrusions, and natural disasters, etc. As a result, too often computer systems fail, become compromised, or perform poorly and therefore untrustworthy. Thus, it remains a challenge to design, analyze, evaluate, and improve the dependability and security for a trusted computing environment. At the same time, it is important to implement dependable and secure systems in a self-managing manner, which calls for the autonomic computing technology, which provides self-optimization, self-healing, self-configuration, and self-protection. Trusted computing targets computing and communication systems as well as services that are autonomous, dependable, secure, privacy protectable, predictable, traceable, controllable, assessable and sustainable.

DASC 2009 brings together computer scientists, researchers, and industrial practitioners, to discuss and exchange theoretical findings, experimental results, novel designs, work-in-progress, industrial experiences, case studies, and trend-setting ideas in the areas of dependable, autonomic and secure computing. The financial/technical sponsorship from IEEE Computer Society, Technical Committee on Scalable Computing (TCSC), National Natural Science Foundation of China, University of Electronic Science and Technology of China, and IEEE Chengdu Section is also greatly appreciated. DASC 2009 is the first conference after the merger of the successful DASC symposium series previously held as RAMPDS-05 (July 2005, Fukuoka, Japan), DASC-06 (September 2006, Indianapolis, USA), DASC-07 (September, 2007, Columbia, USA), and the successful SecUbiq symposium series, previously held as SecUbiq-05 (December 2005, Nagasaki, Japan), SecUbiq-06 (August 2006, Seoul, Korea), SecUbiq-07 (December 2007, Taipei, Taiwan) and SecUbiq-08 (December 2008, Shanghai, China).

DASC 2009 consists of the main conference and two symposia, The Second International Symposium on Ubisafe Computing (UbiSafe-09) and The 2009 International Symposium on Network Evolution and Routing Innovation (Routing-09). DASC 2009 is held jointly with The Eighth International Conference on Pervasive Intelligence and Computing (PICom-09). DASC 2009 and PICom-09 main conferences have 74 papers accepted out of 232 submissions, giving an acceptance rate of 32%. We wish to acknowledge the authors for choosing DASC 2009 and PICom-09 as the forums to present their research. The final decisions have been made after a rigorous peer review process. We gratefully thank the Program Vice Chairs for assembling the Program Committee for each track and guiding the reviewing process. Thanks are extended to
the Program Committee members and the additional reviewers that contributed their valuable
time and expertise to provide professional and quality reviews under a very tight schedule.

We sincerely appreciate the constant support and pertinent advice from the General Chairs and
the Steering Chairs, without which DASC 2009 could not have been organized in an effective
and efficient manner. We are also deeply grateful to the Program Chairs, the Workshop Chairs,
the Publicity Chairs, the International Advisory Committee, the Finance Chair, and the Local
Chair, for their strong support and hard work, which are essential to the success of DASC 2009.
It is a great pleasure to work with such an excellent team. We would also express our gratitude to
Tony Li Xu for his efficient assistance in managing the web-based submission and reviewing
system. Last but not least, we would like to greatly thank the DASC 2009 local organizing team
at University of Electronic Science and Technology of China.

Finally, we expect DASC 2009 favors a useful interaction between researchers and practitioners,
and provides a stimulating forum for exchanging and developing new ideas in the exciting and
rapidly developing field of dependable, autonomic and secure computing. We wish all of you
enjoy DASC 2009 at the beautiful city of Chengdu.

**Program Chairs**
Bo Yang, *University of Electronic Science and Technology of China, China*
Andy Li, *Oklahoma State University, USA*
Ruo Ando, *National Institute of Information and Communication Technology, Japan*

**General Chairs**
Zhi-Guang Qin, *University of Electronic Science and Technology of China, China*
Jack Dongarra, *University of Tennessee, USA*
Yuanshun Dai, *University of Tennessee, USA*

**Steering Chairs**
Laurence T. Yang, *St. Francis Xavier University, Canada*
Jianhua Ma, *Hosei University, Japan*