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Message from General Chairs

In the past a few years, we have witnessed a rapid progress in Service-Oriented Computing (SOC), which represents a paradigm shift from the traditional Object-Oriented Computing (OOC) to the SOC paradigm. This paradigm shift is changing the way we develop and use software and hardware. Conferences, journals, books and many other types of publications in SOC, Service-Oriented Architecture (SOA), Service-Oriented Enterprise (SOE), Service-Oriented Infrastructure (SOI), Web Services (WS), and associated protocols and standards have emerged and a solid foundation for the new paradigm is being grounded.

With the support of the communities of service-oriented computing, software engineering, dependable computing, and system engineering, we started this workshop series called Service-Oriented System Engineering (SOSE). SOSE 2005 devotes to the system engineering issues in SOC and Service-Oriented Development (SOD) paradigm to make SOC software and hardware more dependable. The emphasis is on the specification, fault-tolerant computing, verification, model checking, testing, validation, dependability evaluation of service-oriented software and hardware.

Welcome to the First International Workshop on Service-Oriented System Engineering SOSE 2005!

Our program chairs and program committee have put together an excellent program for this year, thanks to the program chairs Xiaoying Bai and Jie Xu and the wonderful support from the program committee.

We would like to thank other key members that made things happen, including Dr. Yinong Chen for his roles as the publication chair, a finance chair, as well as other work that he has dedicated to the workshop; Prof. Bin Xu for his role as a finance chair and as the operations chair; and all members in the operations committee. Last but not least, we would like to thank Dr. Hongjiang Zhang and Microsoft for the generous support to this workshop.

Wei-Tek Tsai
Arizona State University

Lizhu Zhou
Tsinghua University

Wei Li
Beijing University of Aeronautics and Astronautics
Welcome to the First International Workshop on Service-Oriented System Engineering SOSE 2005. Welcome to Beijing and to Tsinghua University. The concept of Service-Orientation brings a new paradigm shift in computing. The workshop devotes to addressing the challenges of producing effective and dependable service-oriented systems and applications.

SOSE 2005 provides a forum for exchanging the issues, insights, and latest research progress among researchers and technologists with advanced research and industry experiences in service-oriented system engineering, service-oriented computing, and interleaved enabling techniques.

SOSE 2005 received 42 submissions from six countries. Each paper was reviewed by three reviewers resulting in 10 papers accepted as regular papers and 18 papers accepted as short papers. The acceptance rate of regular papers is 25%. The papers were selected based solely on the evaluation results from the reviewers who are mostly SOSE 2005 Program Committee members. In addition, we invited five papers from well-known experts to better cover in the solicited areas of the workshop. We are fortunate to have five prominent keynote speakers to address the important development, opportunities, and challenges in service-oriented computing and their applications. The quality of SOSE 2005 is greatly enriched by the invited papers and the keynote addresses.

The topics covered in the papers span from a large range of Service-Oriented System Engineering, including service modeling and specification, service verification and validation, ontology, semantic web, service discovery, service composition, service testing, dependability evaluation, quality of services, and wireless services.

We are grateful to all the program committee members and reviewers for their effort in selecting the topics and reviewing the papers submitted to the workshop. We would like to thank our honorary chairs Dr. Hongjiang Zhang, Dr. Jen-Yao Chung, and Prof. Kane Kim for their support and encouragement. Our thanks also go to the general chairs Prof. Wei-Tek Tsai, Prof. Lizhu Zhou, and Prof. Wei Li for their sustained effort. They are the steering and driving force behind all operations. Finally, we would like to thank all the authors for their contributions, which ultimately made the workshop a success.

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Tsinghua University, China

Jie Xu
University of Leeds, UK
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