

Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering

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Scalable Information Systems

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INFOSCALE 2009
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Revised Selected Papers

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Preface

In view of the incessant growth of data and knowledge and the continued diversification of information dissemination on a global scale, scalability has become a mainstream research area in computer science and information systems. The ICST INFOSCALE conference is one of the premier forums for presenting new and exciting research related to all aspects of scalability, including system architecture, resource management, data management, networking, and performance. As the fourth conference in the series, INFOSCALE 2009 was held in Hong Kong on June 10 and 11, 2009.

The articles presented in this volume focus on a wide range of scalability issues and new approaches to tackle problems arising from the ever-growing size and complexity of information of all kind. More than 60 manuscripts were submitted, and the Program Committee selected 22 papers for presentation at the conference. Each submission was reviewed by three members of the Technical Program Committee.

The resulting excellent proceedings required a lot of effort from a great team. First, we thank all the authors for their hard work in preparing the submissions to the conference. We deeply appreciate the effort and contributions of the Technical Program Committee members, who worked very hard to review the papers in the short period of time allotted for the review. The efforts of our external reviewers is also deeply appreciated. We are also very grateful to Xianhe Sun, Cheng-zhong Xu, and Minglu Li for accepting our invitation to present a keynote speech. Their enlightening talks on trailblazing issues will continue to inspire our work.

The Organizing Committee thanks Imrich Chlamtac and Ophir Frieder, who served as the Steering Committee for this conference. Our thanks also go to ICST for their effort and continuous help with the organization of the conference and the support provided during the preparation of the conference. In particular, we thank Maria Morozova, the conference coordinator, and Eszter Hajdu, the proceedings coordinator, for their professional support and guidance at all stages.

We hope that the INFOSCALE 2009 proceedings will serve as a valuable reference resource for researchers and developers in both academia and industry.

June 2009

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