

Welcome message from the Editor-in-Chief and Co-Editor-in-Chief

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Introduction

First of all, congratulations to the launch of ICST Transactions on Scalable Information Systems, and welcome to the inaugural issue of this new research journal!

As the data volumes continue to increase and the ways of information dispersion across the globe continue to diversify, scalability has become a mainstream research area in computer science and information systems.

With significant advances in data communication and networking technologies, the last two decades have witnessed a rapid growth of information systems and its applications. The emergence and development of a variety of data communication systems and networks have enabled many envisioned information system applications, which have fundamentally changed to scalable information system. For example, in data storage systems, it was installed in centralised system in the beginning and then in distributed systems. Currently, customers and organisers use cloud systems for their outsourced data. New scalable methods and structures are needed for efficiently processing those distributed and autonomous data. Grid computing, P2P technology, distributed information retrieval technology, and networking technology all must be merged to address the scalability concern.

ICST Transactions on Scalable Information Systems is a new open access scholarly archival journal that is committed to the timely publication of high-quality original research

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papers on all aspects of scalable communications theories, technologies, systems, and applications. Original contributions that have not been published and are not currently under consideration by any other journal are solicited. All submissions will go through a rigorous peer-review process,

and will be reviewed and evaluated by expert referees and the editorial board. Areas of interests include, but are not limited to:

- Scalable distributed information systems
- Scalable grid information systems
- Parallel information processing and systems
- Web information searching and retrieval
- Data mining
- Content delivery networks (CDN)
- VLDB
- P2P systems
- Scalable mobile and wireless database systems
- Large scale sensor network systems
- Index compression methods
- Architectures for scalability
- Scalable information system applications
- Evaluation metrics for scalability
- Information security

This inaugural issue includes a collection of four outstanding papers that are contributed by leading researchers and

cover a diversity of topics in the area of scalable information systems. We hope that you will find the papers timely, informative, and enjoyable.

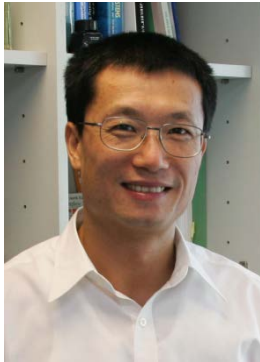
We would like to take this opportunity to acknowledge all the authors who contributed to this inaugural issue of the journal. We are grateful to all anonymous reviewers for their time and effort in reviewing the papers and providing us and the authors valuable review comments, and thankful to all editorial board members for their strong support in founding this new journal. We are also thankful to all ICST publication staff, for their great efforts and assistance in producing and launching this inaugural issue of the journal.

Finally, we cordially welcome all readers and fellow researchers to submit your papers and contribute your work to this journal. We are also keen to hear your constructive ideas and suggestions for helping the growth of this new born but promising research journal.

Thank you all. We look forward to your contributions.

mobile electronic system, Web service, and role-based access control for Electronic service system, and has already published over 100 research papers

About the Editor-in-Chief



Xiaohua Jia received his BSc (1984) and MEng (1987) from University of Science and Technology of China, and DSc (1991) in Information Science from University of Tokyo. He is currently Chair Professor with Dept of Computer Science at City University of Hong Kong. His research interests include cloud computing and distributed systems, computer networks,

wireless sensor networks and mobile wireless networks. Prof. Jia is an editor of IEEE Trans. on Parallel and Distributed Systems (2006-2009), Wireless Networks, Journal of World Wide Web, Journal of Combinatorial Optimization, etc. He is the General Chair of ACM MobiHoc 2008, TPC Co-Chair of IEEE MASS 2009, Area-Chair of IEEE INFOCOM 2010, TPC Co-Chair of IEEE GlobeCom 2010 – Ad Hoc and Sensor Networking Symp, and Panel Co-Chair of IEEE INFOCOM 2011.

About the Co-Editor-in-Chief



Dr. Hua Wang is a full professor at the University of Southern Queensland. Dr Wang awarded a PhD degree in Computer Science from the University of Southern Queensland in 2004. He has been active in the areas of Information Systems Management, Distributed Database Management Systems, Access Control, Software Engineering and Electronic

Commerce. He has participated in research projects on