

Preface

The Internet and World Wide Web are milestones of information sharing. IT professionals are in the critical historical stage of creating the new brilliance a new interconnection environment. Semantics and knowledge are the basis of this environment.

The 1st International Conference on Semantics, Knowledge and Grid (SKG 2005) is to bring together researchers and practitioners in areas of knowledge and intelligence, semantics, and grid computing to share their visions, research achievements and solutions to real applications, to resolve the challenge issues, and to establish worldwide cooperative research and development.

SKG 2005 received 283 submissions from Austria, Australia, Brazil, Canada, China, Finland, Italy, Japan, Korea, Norway, UK, and USA. After careful review, 34 research papers, 84 industrial papers and 24 posters were accepted. A workshop for research students was arranged during conference to promote communication among research students from different areas. I deeply appreciate the authors, the program committee, the advisory board, the reviewers, the sponsors, and the participants who make this conference possible.

Herein, I sincerely thank the keynote speaker David Harel, tutorial speaker Rajkumar Buyya, conference co-chair David De Roure, program co-chairs Geoffrey C. Fox and Jie Liu, and workshop chair Jin Liu for their contributions to the conference.

I would like to take this opportunity to thank all team members of the China Knowledge Grid Research Group, especially Kun Yang, Lei Cao, Xiaofeng Wang, Fei Guo, Hui Peng, Liang Feng, and Chao He, for their excellent volunteer services for the conference.

As the first international forum across Semantic Computing, Knowledge Computing, Grid Computing, and Autonomous Computing, SKG 2005 concerns the development of new areas. I believe that SKG will become a premier international forum on future interconnection environment in the near future.

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