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Web Information Systems Engineering – WISE 2005

6th International Conference on
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Proceedings

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Message from the General Chairs

It is a pleasure and honor to welcome you to the proceedings of the 6th International Conference on Web Information Systems Engineering (WISE), November 2005, New York, NY. We had an excellent program comprising of the research track with regular, short and poster paper sessions, industry track sessions, three workshops and three tutorials that covered a variety of interests and disciplines in the area of Web information systems engineering.

Many individuals contributed to the success of this conference. First, we would like to thank Masaru Kitsuregawa, Erich Neuhold, and Anne Ngu, the research track program chairs, and the members of the Program Committee for selecting the papers in the research track. Second, we would like to thank the industry program chair, Jen-Yao Chung and the members of the Industry Program Committee for putting together a fantastic industry program.

We would like to extend our appreciation to Alexandros Biliris, the workshops chair, for leading the workshop program. We thank all the workshop program chairs/organizers who worked with Alex to put together the three WISE workshops, specifically: Roland Kascheck and Shonali Krishnaswamy for the “Web Information Systems Quality (WISQ 2005)” workshop; Woonchun Jun for the “International Workshop on Web-Based Learning”; Mike Dean, Yuanbo Guo, and Zhengxiang Pan for the “Scalable Semantic Web Knowledge Base Systems (SSWS 2005)” workshop. Next, we would like to express our thanks to Boualem Benatallah for soliciting and selecting several excellent tutorials for this year’s program, and James Geller for putting together a very interesting panel.

Thimios Panagos and Soon Ae Chun worked tirelessly to provide the local arrangements. We thank Michael Sheng for his dedicated effort in the preparation of the proceedings, and Helen Paik for maintaining the website and for taking care of the publicity. We wish to express our appreciation to the WISE Steering Committee members Yanchun Zhang and Marek Rusinkiewicz, for their continued support. We would also like to acknowledge Priscilla Rasmussen for helping with the registrations and helping with the selection of the hotel.

We wish to thank Adam Drobot and Telcordia for their generous financial support and backing that made a New York-based WISE organization possible.

We are grateful to the WISE keynote address speakers. Last but not least, our thanks go to all the authors who submitted papers and all the attendees. We hope they found the program stimulating and beneficial for their research.

September 2005

Dimitrios Georgakopoulos
Vijay Atluri

Message from the Program Chairs

The relentless growth in Internet functionality and bandwidth have enabled a new wave of innovations that are transforming the way all types of organizations (businesses, governments, ordinary citizens) collaborate and interact with partners, both within and across organizational boundaries. WISE 2005 aims at presenting novel topics and approaches to Web engineering in the dynamic, diverse, distributed and ever increasing volume of WWW data and applications. WISE 2005 was the first WISE conference to be held in the USA. Previous WISE conferences were held in China (2000), Japan (2001), Singapore (2002), Italy (2003), and Australia (2004).

The call for papers created a large interest. There were over 300 abstracts proposed and eventually 259 valid paper submissions arrived; an increase of over 30% compared to WISE 2004. The paper submissions came from 33 different countries. There are 43 papers from the USA; 40 papers received from China; 34 papers received from Korea; 20 papers received from Australia; 10–19 papers received from Italy, Japan, Spain, Germany and France; 5–9 papers received from India, UK, The Netherlands and Brazil; 1–4 papers received from Switzerland, Canada, Austria, Portugal, Turkey, Taiwan, Lebanon, Iran, Greece, Thailand, Romania, Poland, Mexico, Denmark, Columbia, Finland, Ireland, Chile, Bangladesh and Belgium.

The international Program Committee selected 30 full papers (acceptance rate of 12%), 20 short papers (acceptance rate of 8%) and 19 poster papers (acceptance rate of 9%). As a result, the technical track of the WISE 2005 program offered 10 sessions of full papers presentation, 4 sessions of short papers presentation and 2 sessions of poster papers presentation and demonstrations. The selected papers cover a wide and important variety of issues in Web information systems engineering such as Web mining, Semantic Web and Ontology, XML and semi-structured data, Web collaboration, P2P systems, and Web information extraction. A few selected papers from WISE 2005 will be published in a special issue of the “Internet and Web Information Systems”, by Springer. In addition, \$1000 will be awarded to the authors of the paper selected for the “Yahiko Kambayashi Best Paper”.

We thank all authors who submitted their papers and the Program Committee members and external reviewers for their excellent work. We hope that the present proceedings will contain enough food for thought to push the Internet utilization to new heights.

September, 2005

Masaru Kitsuregawa
Erich Neuhold
Anne Ngu

Message from the Industrial Chair

The goals of the WISE 2005 Industry Program were to foster exchanges between practitioners and academics, to promote novel solutions to today's business challenges, to provide practitioners in the field an early opportunity to evaluate leading-edge research, and to identify new issues and directions for future research and development work. The focus of the WISE 2005 industrial program was related to innovative Web engineering including technologies, methodologies, and applications.

The international Program Committee went through a rigorous review process with at least four reviews for each paper in order to ensure the quality and fairness. The review processes gave favor to papers with industry related works. The accepted papers are grouped into four major categories: Semantic Web, Service Oriented Architecture (SOA), Business Performance Management (BPM), and Web Infrastructure.

We are very grateful to all Industrial Program Committee members for helping us review the papers. We had many productive discussions during the Industry program at WISE 2005. We hope the attendees had enjoyable experiences and fruitful meetings in New York City!

September, 2005

Jen-Yao Chung

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