NWeSP'05 Chairs Welcome Message

We are very pleased to welcome our colleagues to the International Conference on Next generation Web Services Practices (NWeSP'05) hosted by Chung-Ang University, Seoul, South Korea. NWeSP'05 is a forum which brings together researchers and practitioners specializing on different aspects of Web based information systems. The inaugural conference will bring together the world's most respected authorities on semantic web, Web based services, Web applications, Web enhanced business information systems, e-education specialists, Information security, and other Web related technologies. NWeSP'05 addresses the following important themes:

- Web Services Architecture, Modeling and Design
- Semantic Web, Ontologies (creation, merging, linking and reconciliation)
- Database Technologies for Web Services
- Web Services Security
- Quality of Service, Scalability and Performance
- · User Interfaces, Visualization and modeling
- Customization, Reusability, Enhancements
- Web Services Standards
- Web Services Applications
 - Web Based e-Commerce, e-learning applications
 - Home Network
- Grid Based Web Services
- Web Services Intellectual Property

NWeSP'05 is technically co-sponsored by The International World Wide Web Conference Committee (IW3C2) and is organized in cooperation with the IEEE Computer Society, USA. NWeSP'05 is supported by the IEEE Computer Society's Task force on Electronic Commerce, Technical Committee on Internet and the Technical Committee on Scaleable Computing.

Each paper was peer reviewed by at least three or more program committee members and based on the recommendations of the reviewers, 68 regular papers and 10 poster papers were included in the final Programme. We would like to thank the NWeSP'05 international program committee and the additional reviewers for providing the reviews in time. Our special thanks also go to all the plenary speakers and tutorial speakers for providing the very interesting and informed talks to catalyze subsequent discussions.

Our special thanks to Ms. Jeniferdawn Cantarella of IEEE Computer Society Press for all the support and help related to the production of this important scientific work. Finally, we would like to express our sincere gratitude to all the authors and local organizing committees that have contributed towards the success of this conference. We look forward to seeing you in Seoul, South Korea during NWeSP'05, August 22-26, 2005.

General Chairs

Sang Yong Han, Chung-Ang University, Korea David Du, University of Minnesota, USA

Program Chairs - Academic Track

Ajith Abraham, Chung-Ang University, Korea Sung-Bae Cho, Yonsei University, Korea

Program Chair - Industrial Track

Antony Satyadas, IBM Workplace Solutions, Cambridge, USA









Hosted by ITRI & HNRC of Chung-Ang University

In cooperation with



Technical Committee on Electronic Commerce
Technical Committee on Internet
Technical Committee on Scaleable Computing

Supported by





SAMSUNG SDS



Journal of Digital Information Management







NWeSP'05 - Organization

General Chairs

Sang Yong Han, Chung-Ang University, Korea David Du, University of Minnesota, USA

Program Chair (s) - Academic Track

Ajith Abraham, IITA Professorship Program, Chung-Ang University, Korea Sung-Bae Cho, Yonsei University, Korea

Program Chair - Industrial Track

Antony Satyadas, IBM Workplace Solutions, Cambridge, USA

Publication Chair

Marcin Paprzycki, Oklahoma State University, USA

Program Committee - Academic Track

Witold Abramowicz, The Poznan University of Economics, Poland

Helen Ashman, University of Nottingham, UK

Akhilesh Bajaj, The University of Tulsa, USA

Boualem Benatallah, University of New South Wales, Australia

Elisa Bertino, Purdue University, USA

Michele Colajanni, The University of Modena and Reggio Emilia, Italy

John Domingue, The Open University, USA

David Du, University of Minnesota, USA

Schahram Dustdar, Vienna University of Technology, Austria

Erik Duval, Katholieke Universiteit Leuven, Belgium

Johann Eder, University of Klagenfurt, Austria

Phillip Ein-Dor, Tel-Aviv University, Israel

Peter Fettke, Johannes Gutenberg-University Mainz, Germany

Vincenzo De Florio, University of Antwerp, Belgium

Martin Gaedke, University of Karlsruhe, Germany

Alexander Gelbukh, National Polytechnic Institute, Mexico

Lee Giles, Penn State University, USA

Carole Goble, University of Manchester, United Kingdom

Jens Hartmann, University of Karlsruhe, Germany

Geert-Jan Houben, The Technical University of Eindhoven, The Netherlands

Patrick Hung, University of Ontario, Canada

Jose Iria, University of Sheffield, United Kingdom

Borka Jerman-Blazic, University of Ljubljana, Slovenia

Gail Kaiser, Columbia University, USA

Vipul Kashyap, Partners HealthCare System Inc, USA

Rob Koper, Open University of the Netherlands, The Netherlands

Kyriakos Kritikos, University of Crete, Greece

Pil Gyu Lee, Inha University, Korea

Kwei-Jay Lin, University of California, Irvine, USA

Peng Liu, Penn State University, USA

Carolyn McGregor, University of Western Sydney, Australia

Simanta Mitra, Iowa State University, USA

Paul Müller, University of Kaiserslautern, Germany

San Murugesan, Southern Cross University, Australia

Jason Nieh, Columbia University, USA

Harri Oinas-Kukkonen, Oulu University, Finland

Aris M. Ouksel, The University of Illinois at Chicago, USA

Oscar Pastor, Universidad Politecnica de Valencia, Spain

Ajit Patankar, University of California, Berkeley, USA

Barbara Pernici, Politecnico Di Milano Technical University, Italy

Sonja Petrovic-Lazarevic, Monash University, Australia

Maria Pimentel, Universidade de Sao Paulo, Brazil

Atul Prakash, University of Michigan, USA

Andry Rakotonirainy, Queensland University of Technology, Australia

Werner Retschitzegger, University of Linz, Austria

Madria Sanjay, University of Missouri-Rolla, USA

Vittorio Scarano, Universita Degli Studi di Salerno, Italy

Kwang Chul Shin, University of Minnesota, USA

Charles A. Shoniregun, University of East London, UK

Oh Young Song, Chung-Ang University, Korea

Steffen Staab, The University of Koblenz and Landau, Germany

Sergio Tessaris, Free University of Bozen-Bolzano, Italy

Johnson Thomas, Oklahoma State University, USA

Mathews Thomas, IBM Global e-business Center, USA

Frank van, Harmelen, Vrije Universiteit Amsterdam, Netherlands

Kunal Verma, The University of Georgia, Greece

Jian Yang, Tilburg University, Netherlands

Mathias Weske, University of Potsdam, Germany

Bebo White, Stanford University, USA

Laurence T. Yang, St. Francis Xavier University, Canada

Yanchun Zhang, Victoria University, Australia

Huimin Zhao, University of Wisconsin, USA

Program Committee - Industrial Track

Luciano Baresi, Politecnico Di Milano, Italia

Mark Bernstein, Eastgate Systems Inc, USA

Andrei Broder, IBM, USA

Jos de Bruijn, Digital Enterprise Research Institute, Austria

Jen-Yao Chung, IBM, USA

Stefan Decker, Digital Enterprise Research Institute, Austria

Ying Ding, Digital Enterprise Research Institute, Austria

Martin Dzbor, Knowledge Media Institute, United Kingdom

Opher Etzion, IBM Haifa Research Lab, Israel

Dieter Fensel, Digital Enterprise Research Institute, Austria

Peter Fankhauser, Fraunhofer IPSI, Germany

Sven Graupner, Hewlett-Packard Laboratories, USA

Manfred Hauswirth, Swiss Federal Institute of Technology, Switzerland

Arun Iyengar, IBM, USA

Eunju Kim, National Computation Agency, Korea

Mario Koeppen, Fraunhofer IPK FHG, Germany

Daniel S. Katz, Jet Propulsion Laboratory / California Institute of Technology, USA

Uwe Keller, Digital Enterprise Research Institute, Austria

Ruben Lara, Digital Enterprise Research Institute, Austria

Srinivas Padmanabhuni, Infosys Technologies Ltd, USA

Dumitru Roman, Digital Enterprise Research Institute, Austria

Mohammad Salman Akram, Virginia Tech, USA

Ming-Chien Shan, Hewlett-Packard, USA

Kaarthik Sivashanmugam, Semagix Inc., USA

Dave Thomas, Bedarra Research Labs Limited, Canada

Can Turker, Institute of Information Systems, Switzerland

Andreas Wombacher, Fraunhofer-Gesellschaft, Germany

Jonathan Trevor, FX Palo Alto Laboratory, Inc., USA

Fusheng Wang, Siemens Corporate Research, Princeton, USA

Shim Yoon, Samsung SDS, Korea

Local Organizing Committee

Mu Jong Ahn, LG CNS, Korea Jong Hyun Baek, Dae Woo Information Systems, Korea Do Wan Kim, Bae Jae University, Korea Tae Gyu Chang, Chung-Ang University, Korea Young Hwan Cho, Dacom, Korea Kyung Gu Doh, Han Yang University, Korea Dong Hwa Kim, Hanbat National University, Korea Jun Sung Kim, Chung-Ang University, Korea Kung Sook Kim, Ansan University, Korea Myng Ho Kim, Microsoft, Korea Pan Goo Kim, Cho Sun University, Korea Ki Hyun Kwon, Kyung Ki University, Korea Ae Jung Lee, Han Yang University, Korea Duk Ki Min, KonKuk University, Korea Ho Hyun Park, Chung-Ang University, Korea Jung Won Rhyu, Sam Sung Electronics, Korea Duk Sun Shim, Chung-Ang University, Korea Gyu sang Shin, ETRI, Korea Jeffrey Braunstein, Chung-Ang University, Korea

Web Co-Chairs

Jinho Oh, Chung-Ang University, Korea Sang-kyu Lee, Chung-Ang University, Korea Jisoo Kim, Chung-Ang University, Korea