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# Web Information Systems Engineering – WISE 2009

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Proceedings

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# Preface

Welcome to the tenth anniversary of the International Conference on Web Information Systems Engineering, WISE 2009. This year the WISE conference continued the tradition that has evolved from the inaugural conference held in 2000 in Hong Kong and since then has made its journey around the world: 2001 Kyoto (Japan), 2002 Singapore, 2003 Rome (Italy), 2004 Brisbane (Australia), 2005 New York (USA), 2006 Wuhan (China), 2007 Nancy (France), and 2008 Auckland (New Zealand).

This year we were happy to hold the event in Poznan, a city of 600,000 inhabitants in western Poland. Poznan is the capital of the most affluent province of the country – Wielkopolska – which means “Greater Poland”. For more than 1,000 years, Poznan’s geographical location has predestined the city to be a significant scientific, cultural and economic center with more than just regional influence. The city is situated on the strategic cross-roads from Paris and Berlin in the west, to Warsaw and Moscow in the east, and from Scandinavia through the Baltic Sea in the north to the Balkans in the south. Poznan is a great research and university center with a dynamic potential. In all, 140,000 students are enrolled in 26 state-run and private institutions of higher education here, among which the Poznan University of Economics with its 12,000 students is one of the biggest.

The WISE 2009 Conference provided a forum for engineers and scientists to present their latest findings in Web-related technologies and solutions. The submitted contributions address challenging issues of Web semantics, services, search, visualization, and recommendation, as well as Web computing, tagging, querying, mining and understanding.

The 144 papers submitted for consideration for publication originated from 30 countries from all over the world: Australia, Austria, Belgium, Brazil, Canada, China, Croatia, France, Germany, Greece, Iran, Ireland, Italy, Japan, Latvia, The Netherlands, Norway, Poland, the Russian Federation, Saudi Arabia, Singapore, South Korea, Spain, Sweden, Switzerland, Taiwan, Tunisia, Turkey, UK, and the USA.

After a thorough reviewing process, 33 papers were selected for presentation as full papers – the acceptance rate was 23%. In addition, 17 papers were selected for presentation as short papers, yielding an overall acceptance rate of 35%. The papers published in these proceedings are included in the Springer *Lecture Notes in Computer Science* series provide relevant and up-to-date solutions to problems of the next-generation Web.

This conference was made possible through the efforts of many people. We wish to thank everyone involved, including those who worked diligently behind the scenes and without formal recognition. First, we would like to thank the WISE Steering Committee, in particular Marek Rusinkiewicz (Telcordia Technologies, Inc., USA) and Yanchun Zhang (Victoria University, Australia), for selecting the Poznan University of Economics to hold WISE 2009 conference. Great thanks to the Program Chairs, Darrell Long (University of California, Santa Cruz, USA), Gottfried Vossen (University of Münster, Germany) and Jeffrey Xu Yu (Chinese University of Hong Kong), for putting together an excellent technical program. We thank the Industrial

Program Chairs, Witold Staniszczak (Rodan Systems, Poland) and Henry Tirri (Nokia Research, Finland), who composed two sessions with very interesting presentations from the industrial perspective. Special thanks to the Tutorial Chairs, Tiziana Catarci (Università di Roma “La Sapienza”, Italy) and Susan Urban (Texas Tech University, USA), who organized three tutorials on very up-to-date topics, as well as to the Panel Chairs, Ahmed Elmagarmid (Purdue University, USA) and Masaru Kitsuregawa (University of Tokyo, Japan), for the organization of an interesting discussion panel. We like to thank the Workshops Chairs, Bruno Defude (Telecom & Management SudParis), France) and Bernhard Thalheim (University of Kiel, Germany), for their efforts to organize workshops in association with WISE. The following five workshops were announced: (1) *Challenges of SOA Implementation and Applications*, Workshop Organizers: Jerzy Brzezinski (Poznan University of Technology, Poland) and Krzysztof Zielinski (AGH University of Science and Technology, Poland); (2) *Confidentiality and Trust Management in the Social Web*, Talel Abdesslem, (Telecom ParisTech, France) and Bogdan Cautis (Telecom ParisTech, France); (3) *Exploiting Structured Information on the Web*, Dominik Flejter, (Poznan University of Economics, Poland), Tomasz Kaczmarek, (Poznan University of Economics, Poland), and Marek Kowalkiewicz, (SAP Research Brisbane, Australia); (4) *WEB-Based Applications and Technologies for Vehicular Networks and Telematics*, Jarogniew Rykowski (Poznan University of Economics, Poland) and T. Russell Hsing (Telcordia Technologies, Inc., USA) and (5) *Third International Workshop on Web Usability and Accessibility*, Silvia Abrahao (Universidad Politecnica de Valencia, Spain), Cristina Cachero (Universidad de Alicante, Spain) and Maristella Matera (Politecnico di Milano, Italy). The number of submissions to the workshops was insufficient to publish a separate workshop proceedings. Nevertheless, we would like to thank very much all the workshop organizers and Workshop Program Committee members for their big effort.

We thank the Publication Chair Markus Kirchberg (Institute for Infocomm Research, A\*STAR, Singapore) and the Publicity Chair Jacek Chmielewski (Poznan University of Economics, Poland), as well the Local Organization Chairs, Willy Picard, and Jarogniew Rykowski (Poznan University of Economics, Poland), who were greatly supported by Rafal Wojciechowski and Elzbieta Masztalercz.

We would like to thank the Program Committee members and reviewers for a very rigorous and outstanding reviewing process. Special thanks go to the City Hall of Poznan for financial support of WISE 2009 tutorials.

We wish to thank Richard DeMillo (Georgia Institute of Technology USA), George Wang (Institute for Information Industry, Taiwan), and Alexander Löser (Technische Universität Berlin, Germany) for graciously accepting our invitations to serve as keynote speakers.

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