

WISE 2010 Final Program

Monday Dec 13		
8:00-8:30	Registration: Rose & Peony Room	
8:30-8:50	<i>Opening Ceremony</i> : Rose & Peony Room	
8:50-9:45	Keynote Talk 1: Rose & Peony Room; Chair: Karl Aberer, EPFL-IC-IIF-LSIR, Switzerland. <i>Title</i> : Providing Scalable Database Services on the Cloud, by Prof. Beng Chi Ooi	
9:45-10:40	Keynote Talk 2: Rose & Peony Room; Chair: Peter Triantafillou, University of Patras, Greece <i>Title</i> : Search and Social Integration, by Prof. Edward Chang	
Coffee Break (30 Minutes)		
11:10-12:40	Session 1a: Rose Room <i>Web Service</i>	Session 1b: Peony Room <i>Social Networks</i>
Lunch: Magnolia & Camomile Room (60 Minutes)		
13:40-15:10	Session 2a: Rose Room <i>Web Data Mining</i>	Session 2b: Peony Room <i>Keyword Search</i>
Coffee Break (20 Minutes)		
15:30-17:00	Session 3a: Rose Room <i>Web Search (I)</i>	Session 3b: Peony Room <i>Web Data Modeling</i>
18:00 – 20:00 Conference Reception (and WISE Steering Committee's meeting @ Kowloon Room)		
Tuesday Dec 14		
8:00-8:30	Registration: Rose & Peony Room	
8:30-9:25	Keynote Talk 3: Multifunctional Hall; Chair: Xiaofang Zhou, University of Queensland, Australia <i>Title</i> : Elements of a Spatial Web, by Prof. Christian S. Jensen	
9:25-10:20	Keynote Talk 4: Multifunctional Hall; Chair: M. Tamer Özsu, University of Waterloo, Canada <i>Title</i> : The Ubiquitous DBMS, by Prof. Kyu-Young Whang	
Coffee Break (30 Minutes)		
10:50-12:30	Session 4a: Rose Room <i>Recommender Systems</i>	Session 4b: Peony Room <i>RDF and Web Data</i>
Lunch Magnolia & Camomile Room (70 Minutes)		
13:40-15:10	Session 5a: Rose Room <i>XML and Query Languages</i>	Session 5b: Peony Room <i>Web Search (II)</i>
Coffee Break (20 Minutes)		
15:30-17:00	Session 6a: Rose Room <i>Web Information Systems</i>	Session 6b: Peony Room <i>Information Retrieval and Extraction</i>
18:00 – 21:00 Conference Banquet (Coach will depart from Kowloon Shangri-La Hotel at 6:00p.m. sharp)		

Note: Each regular paper is allotted 25 minutes of presentation; each short paper is allotted 15 minutes.

Session 1a: Web Service

Session chair: Armin Haller, CSIRO ICT Centre, Australia

- Building Web Services Middleware with Predictable Service Execution
Vidura Gamini Abhaya (RMIT University, Australia), Zahir Tari (RMIT University, Australia), Peter Bertok (RMIT University, Australia)
- Event Driven Monitoring for Service Composition Infrastructures
Oliver Moser (Vienna University of Technology), Florian Rosenberg (CSIRO ICT Centre, Australia), Schahram Dustdar (Vienna University of Technology)
- On Identifying and Reducing Irrelevant Information in Service Composition and Execution
Hong-Linh Truong (Vienna University of Technology), Marco Comerio (University of Milano, Italy), Andrea Maurino (University of Milano), Schahram Dustdar (Vienna University of Technology), Flavio de Paoli (University of Milano), Luca Panziera (University of Milano, Italy)
- Propagation of Data Protection Requirements in Multi-Stakeholder Web Services Systems (**short**)
Tan Phan (Swinburne University of Technology, Australia), Jun Han (Swinburne University of Technology, Australia), Garth Heward (Swinburne University of Technology, Australia), Steve Versteeg (CA Labs, Australia)

Session 1b: Social Networks

Session Chair: Lizhu Zhou, TsingHua University, China

- Refining Graph Partitioning for Social Network Clustering
Tieyun Qian (Wuhan University, China), Yang Yang (Wuhan University, China), Shuo Wang (Wuhan University, China)
- Fast detection of size-constrained communities in large networks
Marek Ciglan (Norwegian University of Science and Technology, Norway), Kjetil Nørsvåg (Norwegian University of Science and Technology, Norway)
- Evolutionary Taxonomy Construction from Dynamic Tag Space
Bin Cui (Peking University, China), Junjie Yao (Peking University, China), Gao Cong (Nanyang Technological University, Singapore), Yuxin Huang (Peking University, China)
- Co-clustering for Weblogs in Semantic Space (**short**)
Yu Zong (Dalian University of Technology, China), Guandong Xu (Aalborg University, Denmark), Peter Dolog (Victoria University, Australia), Yanchun Zhang (Victoria University, Australia)

Session 2a: Web Data Mining

Session Chair: Guandong Xu, Aalborg University, Denmark

- A Linear-chain CRF-based Learning Approach For Web Opinion Mining
Luole Qi (Hong Kong Baptist University, China) and Li Chen (Hong Kong Baptist University, China)
- An Unsupervised Sentiment Classifier on Summarized or Full Reviews
Yiu-Kai Ng (Brigham Young University, U.S.A.), Maria Pera (Brigham Young University, U.S.A.), Rani Qumsiyeh (Brigham Young University, U.S.A.), Yiu-Kai Ng (Brigham Young University, U.S.A.)
- Neighborhood-restricted mining and weighted application of association rules for recommenders (**short**)
Dietmar Jannach (Technische Universität Dortmund, Germany), Fatih Gedikli (Technische Universität Dortmund, Germany)

- Semantically Enriched Event Based Model for Web Usage Mining (**short**)
Enis S öztutar (Middle East Technical University, Turkey), Ismail Toroslu (Middle East Technical University, Turkey), Murat Bayır (State University of New York at Buffalo, U.S. A.)

Session 2b: Keyword Search

Session Chair: Chengfei Liu, Swinburne University of Technology, Australia

- Effective and Efficient Keyword Query Interpretation using a Hybrid Graph
Junquan Chen (Shanghai Jiao Tong University, China), Kaifeng Xu (Shanghai Jiao Tong University, China), Haofen Wang (Shanghai Jiao Tong University, China), Yong Yu (Shanghai Jiao Tong University, China), and Wei Jin (North Dakota State University, U.S.A)
- From Keywords to Queries: Discovering the User's Intended Meaning
Carlos Bobed (University of Zaragoza, Spain), Raquel Trillo (University of Zaragoza, Spain), Eduardo Mena (University of Zaragoza, Spain), Sergio Ilarri (University of Zaragoza, Spain)
- Efficient Interactive Smart Keyword Search
Shijun Li (Wuhan University, China), Xiaoyan Gu (Wuhan University, China), Huifu Jiang (Wuhan University, China), Chuanyun Fang (Wuhan University, China)
- Relevant Answers for XML Keyword Search: A Skyline Approach (**short**)
Khanh Nguyen (La Trobe University, Australia) and Jinli Cao (La Trobe University, Australia)

Session 3a: Web Search (I)

Session Chair: Svein Erik Bratsberg, Norwegian University of Science and Technology, NORWAY

- A Children-Oriented Re-ranking Method for Web Search Engines
Mayu Iwata (Osaka University, Japan), Yuki Arase (Microsoft Research Asia, China), Takahiro Hara (Osaka University, Japan), Shojiro Nishio (Osaka University, Japan)
- TURank: Twitter User Ranking based on User-Tweet Graph Analysis
Yuto Yamaguchi (University of Tsukuba, Japan), Tsubasa Takahashi (University of Tsukuba, Japan), Toshiyuki Amagasa (University of Tsukuba, Japan), Hiroyuki Kitagawa (University of Tsukuba, Japan)
- Identifying and Ranking Possible Semantic and Common Usage Categories of Search Engine Queries (**short**)
Reza Hemayati (Binghamton University, U.S.A.), Weiyi Meng (Binghamton University, U.S.A.), Clement Yu (University of Illinois at Chicago, U.S. A.)
- Best-effort refresh strategies for content-based RSS feed aggregation (**short**)
Roxana Horincar (LIP6,Universite Paris 6,France), Bernd Amann (LIP6,Universite Paris 6,France), Thierry Artieres (LIP6,Universite Paris 6,France)
- Mashup-Aware Corporate Portals (**short**)
Sandy Pérez (Univ. of the Basque Country, Spain), Oscar Diaz (University Basque Country, Spain)

Session 3b: Web Data Modeling

Session Chair: Hideyasu Sasaki, Ristumeikan University, Japan

- When Conceptual Model Meets Grammar: A Formal Approach to Semi-structured Data Modeling
Martin Necasky (Charles University in Prague, Czech Republic), Irena Mlynkova (Charles University in Prague, Czech Republic)

- Crowdsourced Web Augmentation: A Security Model
Cristóbal Arellano (University Basque Country, Spain), Oscar Diaz (University Basque Country, Spain), Jon Iturrioz (University of the Basque Country, Spain),
- Design of Negotiation Agents based on Behavior Models
Kivanc Ozonat (HP Labs, China)
- High Availability Data Model for P2P Storage Network (**short**)
Bang Yu Wu (Tsinghua University, China), Chi-Hung Chi (Tsinghua University, China), ZhiHeng Xie (Tsinghua University, China)

Session 4a: Recommender Systems

Session Chair: Tiejun Qian, Wuhan University, China

- Modeling Multiple Users' Purchase over a Single Account for Collaborative Filtering
Yutaka Kabutoya (NTT Corporation, Japan), Tomoharu Iwata (NTT Corporation, Japan)
Ko Fujimura (NTT Corporation, Japan)
- Interaction-Based Collaborative Filtering Methods for Recommendation in Online Dating
Alfred Krzywicki (University of New South Wales, Australia), Wayne Wobcke (University of New South Wales, Australia), Xiongcai Cai (University of New South Wales, Australia), Ashesh Mahidadia (University of New South Wales, Australia), Michael Bain (University of New South Wales, Australia)
Paul Compton (University of New South Wales, Australia), Yang Sok Kim (University of New South Wales, Australia)
- Developing Trust Networks Based on User Tagging Information for Recommendation Making (**short**)
Touhid Bhuiyan (Queensland University of Technology, Australia), Yue Xu (Queensland University of Technology, Australia), Audun Josang (University of Oslo, Norway), Huizhi Liang (Queensland University of Technology, Australia)
- Towards Three-Stage Recommender Support for Online Consumers: Implications from a User Study (**short**)
Li Chen (Hong Kong Baptist University, Hong Kong)

Session 4b: RDF and Web Data

Session Chair: Junhu Wang, Griffith University, Australia

- Query Relaxation for Star Queries on RDF
Hai Huang (Swinburne University of Technology, Australia), Chengfei Liu (Swinburne University of Technology, Australia)
- Efficient and Adaptable Query Workload-Aware Management of RDF Data (**short**)
Sherif Sakr (University of New South Wales, Australia), Hooran Mahmoudi Nasab (Macquarie University, Australia)
- RaUL: RDFa User Interface Language -- A data processing model for web applications (**short**)
Armin Haller (CSIRO, Australia), Jürgen Umbrich (DERI, Ireland), Michael Hausenblas (DERI, Ireland)
- Synchronising Personal Data with Web 2.0 Data Sources (**short**)
Stefania Leone (Institute for Information Systems, Switzerland), Michael Grossniklaus (Politecnico di Milano, Italy) Alexandre De Spindler (Institute for Information Systems, Switzerland), Moira Norrie (Institute for Information Systems, Switzerland)
- An Artifact-centric Approach to Generating Web-based Business Process Driven User Interfaces (**short**)

Sira Yongchareon (Swinburne University of Technology, Australia), Chengfei Liu (Swinburne University of Technology, Australia), Xiaohui Zhao (Swinburne University of Technology, Australia), Jiajie Xu (Swinburne University of Technology, Australia)

Session 5a: XML and Query Languages

Session Chair: Irena Mlynkova, Charles University in Prague, Czech Republic

- A Pattern-based Temporal XML Query Language
Xuhui Li (Purdue University, USA), Mengchi Liu (Carleton University, Canada), Arif Ghafoor (California University, Irvine, USA)
- A Data Mining Approach to XML Dissemination
Xiaoling Wang (East China Normal University, China), Martin Ester (Simon Fraser University, Canada), Weining Qian (East China Normal University, China), Aoying Zhou (East China Normal University, China)
- Semantic Transformation Approach with Schema Constraints for XPath Query Axes
Dung Xuan Thi Le (La Trobe University, Australia), Stephane Bressan (National University of Singapore, Singapore), Eric Pardede (La Trobe University, Australia), Wenny Rahayu (La Trobe University, Australia), David Taniar (Monash University, Australia)
- Domain-specific Language for Context-aware Web Applications (**short**)
Michael Nebeling (Institute for Information Systems, Switzerland), Michael Grossniklaus (Politecnico di Milano, Italy), Stefania Leone (Institute for Information Systems, Switzerland), Moira Norrie (Institute for Information Systems, Switzerland)

Session 5b: Web Search (II)

Session Chair: Li Chen, Hong Kong Baptist University, Hong Kong, China

- Enishi: Searching Knowledge about Relations by Complementarily Utilizing Wikipedia and the Web
Xinpeng Zhang (Kyoto University, Japan), Yasuhito Asano (Kyoto University, Japan), Masatoshi Yoshikawa (Kyoto University, Japan)
- Potential Role based Entity Matching for Dataspace Search
Yue Kou (Northeastern University, China), Derong Shen (Northeastern University, China), Tiezheng Nie (Northeastern University, China), Ge Yu (Northeastern University, China)
- Personalized Resource Search by Tag-based User Profile and Resource Profile
Yi Cai (City University of Hong Kong, Hong Kong), Qing Li (City University of Hong Kong, Hong Kong), Haoran Xie (City University of Hong Kong, Hong Kong), Lijuan Yu (City University of Hong Kong, Hong Kong)
- Incremental Structured Web Database Crawling via History Versions (**short**)
Wei Liu (Peking University, China), Jianguo Xiao (Peking University, China)

Session 6a: Web Information Systems

Session Chair: Hong-Linh Truong, Vienna University of Technology, Austria

- An Architectural Style for Process-Intensive Web Information Systems
Xiwei Xu (National ICT Australia, Australia), Liming Zhu (National ICT Australia, Australia), Udo Kannengiesser (National ICT Australia, Australia), Yan Liu (Pacific Northwest National Laboratory,

USA)

- Model-Driven Development of Adaptive Service-Based Systems with Aspects and Rules
Jian Yu (University of Adelaide, Australia), Quan Sheng (University of Adelaide, Australia), Kheng Swee (University of Adelaide, Australia)
- An Incremental Approach for Building Accessible and Usable Web Applications
Gustavo Rossi (Universidad Nac. de La Plata, Argentina), Nuria Medina Medina (Universidad de Granada, España), Juan Burella (Universidad de Buenos Aires, Argentina), Julián Grigera (Universidad Nac. de La Plata, Argentina), Esteban Robles Luna (Universidad Nac. de La Plata, Argentina)
- CPH-VoD: a Novel CDN-P2P-hybrid Architecture based VoD Scheme (**short**)
Zihui Lu (Fudan University, China), Jie Wu (Fudan University, China), Lijiang Chen (Peking University, China), Sijia Huang (Fudan University, China), Yi Huang (Fudan University, China)

Session 6b: Information Retrieval and Extraction

Session Chair: Yi Cai, City University of Hong Kong, Hong Kong, China

- A Combined Semi-Pipelined Query Processing Architecture for Distributed Full-Text Retrieval
Simon Jonassen (Norwegian University of Science and Technology, Norway), Svein Erik Bratsberg (Norwegian University of Science and Technology, Norway)
- Towards Flexible Mashup of Web Applications Based on Information Extraction and Transfer
Junxia Guo (Tokyo Institute of Technology, Japan), Hao Han (National Institute of Informatics, Japan), Takehiro Tokuda (Tokyo Institute of Technology, Japan)
- On Maximal Contained Rewriting of Tree Pattern Queries Using Views
Junhu Wang (Griffith University, Australia), Jeffrey Xu Yu (The Chinese University of Hong Kong, Hong Kong)
- Implementing automatic error recovery support for rich Web clients (**short**)
Manuel Quintela (University of Oviedo, Spain), Daniel Fernández Lanvin (University of Oviedo, Spain), Raul Izquierdo-Castanedo (Universidad de Oviedo, Spain), Alberto Manuel Fernández Álvarez (University of Oviedo, Spain)