

WAIM03 Advanced Program (Pre- version)

Program at a Glance

- Note: Each regular paper is allocated with 30 minutes presentation time, while each short paper is allocated with 15 minutes presentation time.
- Note: August 16 , please register in the HongWa(Red roof) Hotel. August 17 – 19 , please register in the lobby of Meeting Hall, HongWa (Red Roof) Hotel .

Aug. 17, 2003 Sunday	Aug. 18, 2003 Monday		Aug. 19, 2005 Tuesday	
	8:30-9:00 Conference Opening		8:30-9:30 Keynote Address <i>Recent Advances in Access Control Models</i> Dr. Sushil Jajodia	
10:00-11:30 Tutorial1 <i>"Privacy aware data management"</i> by Rakesh Agrawal (IBM, USA) PowerPoint with real voice	9:00-10:30 Keynote Address <i>Managing Trust in Peer-to-Peer Systems Using Reputation-Based Techniques</i> By Beng Chin Ooi,		9:30—9:45 Coffee/Tea Break	
	10:30-11:00 Coffee/Tea Break		9:45-11:00 Session 4A <i>Multimedia Views Series Similarity and Ontology</i>	9:45-11:00 Session 4B <i>Peer to Peer Bioinformatics</i>
	11:00-12:30 Session 1A <i>Data mining</i>	Session 1B <i>Queries and Optimization</i>		
11:30-13:00 Lunch	12:30-14:00 Lunch		12:30-14:00 Lunch	
14:00-16:00 Tutorial 2 <i>"Metasearch engines"</i> by Weiyi Meng (State U of New York, USA)	14:00-16:00 Session 2A <i>Information Filtering</i>	14:00-16:00 Session 2B <i>XML</i>	Panel 14:00-16:30 <i>Research Issues in Web Aged Information Management (Web, Information Filtering)</i>	
16:00-16:30 Coffee/Tea Break	16:00-16:30 Coffee/Tea Break		16:30-17:00 Coffee/Tea Break	
16:30-18:00 Demo Session (repeated) Chair: Jeffrey Yu (Chinese University of Hong Kong, China)	16:30-18:00 Session 3A Web	6:30-18:00 Session 3B Service Networks	17:00-18:00 Session 5A <i>(Power Point Presentation for default authours)</i>	17:00-18:00 Session 5B <i>(PowerPoint Presentation for default authours))</i>
18:30 Conference reception	19:00 Conference Banquet			

Conference Program (Preliminary version)

Sunday, August 17

8:30—16:00

Interact Registration at HongWa (Red Roof) hotel hall (Get proceedings etc.)

10:00am—11:30am

Tutorial 1 (main meeting Hall , 3-rd floor of Hong_Wa hotel)

"privacy aware data management " , (Power pointer presentation with real voice)

Instructor: *Rakesh Agrawal (IBM, USA)*

Chair: Ke Wang (Simon Fraser University, Canada)

Or Co-chair Changjie Tang (Sichuan University)

12:30pm—1:00pm

Lunch (Diling Room, Second floor of Hong_Wa hotel,)

14:00pm—16:00

Tutorial 2 (main meeting Hall)

"Metasearch engines"

Instructor: Weiyi Meng (State U of New York, USA)

Chair: Jianwen Su (U C Santa Barbara, USA)

16:00-16:30

Coffee/Tea Break

16:30-18:00

Demo Session (main meeting Hall)

Chair: Jeffrey Yu (Chinese University of Hong Kong, China)

Creating Customized Metasearch Engines on Demand Using SE-LEGO

Zhonghuan Wu, Vijay Raghavan, Chun Du, Weiyi Meng, Hai He and Clement Yu

SQL-Relay: An Event-Driven Rule-Based Database Gateway

Qingsong Yao and Aijun An

CyberETL: Towards Visual Debugging Transformations in Data Integration

Youlin Fang, Dongqing Yang, Shiwei Tang and Yunhai Tong

6:30pm

(Dining room of Red roof Hotel) Conference reception

Conference Program

Monday, August 18

8:30am–9:00am

Conference Opening (Main Meeting Hall)

9:00am–10:30am

Keynote Address: (Main Meeting Hall)

Managing Trust in Peer-to-Peer Systems Using Reputation-Based Techniques
By Beng Chin Ooi, Chu Yee Liao, Kian-Lee Tan

Chair: Xiaofeng Meng (Renmin University of China, China)

10:30am–11:00am

Coffee/tea break

11:00am–12:30pm

Session 1A: (Session Room A is the main meeting Room)

Data Mining

Chair: Aoying Zhou (Fudan University, China)

- 1 Efficiently Mining Interesting Emerging Patterns
Hongjian Fan and Kotagiri Ramamohanarao
- 2 DENCLUE-M: Boosting DENCLUE algorithm by Mean Approximation on Grids
Li Cunhua, Sun Zhihui, Song Yuqing
- 3 A New Heuristic Reduct Algorithm Based on Rough Sets Theory
Zhang Jing, Wang Jianmin, Li Deyi, He Huacan, Sun Jiaguang
- 4 CURD: A Fast Clustering Algorithm Based on Reference and Density
MA Shuai WANG Teng-Jiao TANG Shi-Wei YANG Dong-Qing GAO Jun
- 5 Classification Using Constrained Emerging Patterns
James Bailey, Thomas Manoukian and Kotagiri Ramamohanarao
- 6 VPRBMDTA: A New Multivariate Decision Tree Algorithm
Based on Variable Precision Rough Set
ZHANG Liang, YE Yun-Ming, YU Shui, MA Fan-Yuan
- 7 Partition for the Rough Set-based Text Classification
Yongguang Bao, Daisuke Asai, Xiaoyong Du, Naohiro Ishii"

Session 1B: (Session Room B)

Queries and Optimization

Chair: Lizhu Zhou (Tsinghua University, China)

- 1 Top-N Query: Query Language, Distance Function and Processing Strategies
Yuxi Chen, Weiyi Meng
- 2 A New Similar Trajectory Retrieval Scheme using k-Warping Distance Algorithm
for Moving Objects

- Choon-Bo Shim and Jae-Woo Chang
3 TupleRank and Implicit Relationship Discovery in Relational Databases
Andy Huang, Qiang Xue, Jun Yang

12:30pm–2:00pm

Lunch (Dining room ,second floor in Red Roof hotel)

2:00pm–4:00pm

Session 2A: (Session Room A)

Information Filtering

Chair: Ge Yu (Northeastern University, China)

- 1 Filter Index for Complex Queries on Semi-structured Data Wang Lian, Nikos Mamoulis, David W. Cheung
- 2 An Improved Framework for Online Adaptive Information Filtering Liang Ma, Qunxiu Chen, Lianhong Cai
- 3 An Image Retrieval Method Based on Information Filtering of User Relevance Feedback Records Xiangdong Zhou, Qi Zhang, Ailin Deng, Li Liu, Liang Zhang, Baile Shi

Session 2B: (Session Room B)

XML

Chair: Masaru Kitsuregawa (University of Tokyo, Japan)

- 1 UD(k,l)-index: An Efficient Approximate Index for XML Data Hongwei Wu, Qing Wang, Jeffrey Xu Yu, Aoying Zhou, Shuigeng Zhou
- 2 Logical Foundation for Updating XML Guoren Wang and Mengchi Liu
- 3 XML Database Schema Integration Using XDD Doan Dai Duong, Vilas Wuwongse
- 4 Xaggregation: Flexible Aggregation of XML Data Hongzhi Wang, Jianzhong Li, Zhenying He, Hong Gao
- 5 Efficient Evaluation of XML Path Queries with Automata Bing Sun, Jianhua Lv, Guoren Wang, and Ge Yu
- 6 Normalizing XML Element Trees as Well-designed Document Structures for Data Integration Zhao Wenbing, Tan Shaohua, Yang Dongqing, Tang Shiwei
- 7 Managing XML by the Nested Relational Sequence Database System Ho Lam, LAU and Wilfred NG
- 8 Redundancy Free Mappings from relations to XML Millist W. Vincent Jixue Liu Chengfei Liu

4:00pm–4:30pm

Coffee/tea break

16:30-:18:00

Session 3A: (Session Room A)

Web

Chair: X. Sean Wang (George Mason University, USA)

1 Advertising and Matching Agent Services on the World Wide Web
Hongen Lu

2 Compact Encoding of the Web Graph Exploiting Various Power Laws
Statistical Reason Behind Link Database

Yasuhito ASANO, Tsuyoshi ITO, Hiroshi IMAI, Masashi TOYODA, Masaru KITSUREGAWA

3 Improving the Web Site's Effectiveness by Considering Temporal
Information of Each Page

Zhigang Li, Ming-Tan Sun, Margaret H. Dunham, Yongqiao Xiao

4 Efficient Reduction of Web Latency through Predictive Prefetching
on a WAN

Christos Bouras, Agisilaos Konidaris, Dionysios Kostoulas

16:30-:18:00

Session 3B: (Session Room B)

Service Networks

Chair: Weiyi MENG, State University of New York at Binghamton, US

1 Real-time Data Securing through Rule-driven Mobile Agents and IPsec
Kun Yang, Xin Guo, Alex Galis, Shaochun Zhong

2 Site-Role Based GreedyDual-Size Replacement Algorithm

Xingjun Zhang, Depei Qian, Dajun Wu, Yi Liu, and Tao Liu

3 A Study on the Two Window-Based Marking Algorithm in Differentiated
Services Network

Sungkeun Lee, Byeongkyu Cho, Hyun Yeo

4 A Mobility-Aware Location Update Protocol to Track Mobile Users
in Location-based Services

MoonBae Song, JeHyok Ryu, and Chong-Sun Hwang

5 An Optimized Topology Control Algorithm for Mobile Ad Hoc Networks
Daohua Yuan, Zhishu Li

6 The RBAC based Privilege Management Infrastructure for authorization
of Wireless Networks

You-Ri Lee and Dong-Gue Park

6:30pm

Departure from the hotel lobby , go to a special restaurant by bus

7:00pm

Conference banquet at GingKo Restaurant (to be decided)

Demo Session (Main Meeting Hall) (repeat)

Conference Program

Tuesday, August 19

8:30am–10:00am

Keynote Address: (Main Meeting Hall)
Recent Advances in Access Control Models
Dr. Sushil Jajodia
Chair: Jianwen Su (University of California at Santa Barbara, USA)

10:00am–10:15 am

Coffee/tea break

10:15am–11:00

Session 4A: (Session Room A)

Multimedia, Views, Time Series, Similarity and Ontologies

Chairs: Qing Li City University of Hong Kong, China
Sang Kyun Cha Seoul National University, Korea

- 1 Scalable Query Reformulation Using Views in the Presence of Functional Dependencies
Qingyuan Bai, Jun Hong, Michael F. McTear
- 2 Multimedia Tampering localization Based on the Perturbation in Reverse Processing
Xianfeng Zhao, Weinong Wang, Kefei Chen
- 3 Discovering Image Semantics from Web Pages Using a Text Mining Approach
Hsin-Chang Yang Chung-Hong Lee

(The following 3 papers are about Time Series, Similarity and Ontologies)

- 4 Efficient Evaluation of Composite Correlations for Streaming Time Series
Min Wang and X. Sean Wang
- 5 An Efficient Computational Method for Measuring Similarity Distance between Two Conceptual Entities
Junho Choi, Miyoung Cho, Pankoo Kim
- 6 Ontology-based Access to Distributed Statistical Databases,
Yaxin Bi, David Bell, Joanne Lamb and Kieran Greer

Session 4B: (Session Room B)

Peer to Peer and Bioinformatics

Chair: Beng Chin OOI, National University of Singapore, Singapore

- 1 Efficient Semantic Search in Peer-to-Peer Systems
Aoying Zhou, Bo Ling, Zhiguo Lu, Kian-Lee Tan, Wee Siong Ng, Yanfeng Shu
- 2 Enacting Business Processes in a Decentralised Environment with p2p-based Workflow Support

- Jun Yan, Yun Yang and Gitesh K. Raikundalia
- 3 Peer-Serv: A Framework of Web Services in Peer-to-Peer Environment
Qing Wang, Yang Yuan, Junmei Zhou, Aoying Zhou
- 4 Dynamic Clustering-based Query Answering in Peer-to-Peer Systems
Weining Qian, Shuigeng Zhou, Yi Ren, Aoying Zhou, Beng Chin Ooi, Kian-Lee Tan

(The following 2 papers are about Bioinformatics)

- 5 Using Rules to Analyse Bio-medical Data: A Comprison between C4.5 and Our PCL Classifier
Jinyan Li, Limsoon Wong
- 6 Protein Secondary Structure Prediction Framework Based on the Support Vector Machine
Xiaochun Yang, Bin Wang, Yiu-Kai Ng, Ge Yu, Guoren Wang
(Web presentation with ppt)

14:00-16:30

Panel: (Session Room A)

New direction ans some Issues in Webaged information management

Chair: Ke Wang (Simon Fraser University, Canada)

Panelists:

Hongjun Lu (Hong Kong University of Science and Technology, China),
Xiong Wang (California State University at Fullerton, USA),
Limsoon Wong (National University of Singapore, Singapore),
Masatoshi Yoshikawa (Nagoya University, Japan), and
Jeffrey Yu (Chinese University of Hong Kong, China)

16:30-17:00 Coffee/Tea Break

17:00-18:00 Session 5A (Some Power Point Presentation)

17:00-18:00 Session 5B (Some PowerPoint Presentation)

Demo Session (Main Meeting Hall) (repeat)