

### TECHNICAL PROGRAM

[updated 11-4-06; 24-4-06; 3-5-06; 11-5-06]

Note:

- [L] – Long submitted paper ; [S] – Short submitted paper ; [IN] – Invited paper
- ALL PAPERS: Presentation time is 30 minutes
- [CP] – Provided for conference participants ; [WP] – Provided for workshop participants

Monday, May 29	
9:00am	Workshops: P2PIM, I-WIPW
10:00am - 10:30am	Coffee Break and Refreshments
12:15am - 2:00pm	Lunch (City Top, 9/F Amenities Building, CityU) [WP]
3:40pm - 4:10pm	Coffee Break and Refreshments
6:30pm	Conference Reception (Shing Hin, 8/F Amenities Building, CityU) [CP, WP]

Tuesday, May 30						
7:30am	Conference Registration					
9:00am - 9:15am	Welcome and Opening Remarks					
9:15am - 10:15am	<p><b>Keynote Address</b>  <i>Chair: Abdur Chowdhury</i></p> <p>Large-Scale Internet Search at Ask.com  <i>Tao Yang (Chief Scientist and Senior Vice President, Ask.com)</i></p>					
	Coffee Break and Refreshments					
10:15am - 10:45am	Coffee Break and Refreshments					
10:45am - 12:15pm	<p><b>Session 1</b>            Searching and Indexing I  <i>Chair: Wang-Chien Lee</i></p> <p>A Picture of Search [IN]  <i>Greg Pass, Abdur Chowdhury and Cayley Torgeson</i></p> <p>A Generic Search Strategy for Large-Scale Real-World Networks [L]  <i>Yuichi Kurumida, Tsukasa Ogata, Hirotaka Ono, Kunihiko Sadakane and Masafumi Yamashita</i></p> <p>Indexing and Searching Tera-Scale Grid-Based Digital Libraries [L]  <i>Robert Sanderson and Ray R. Larson</i></p>					
	Lunch (City Top, 9/F Amenities Building, CityU) [CP]					
	<table border="1"> <thead> <tr> <th>Session 2A</th> <th>Session 2B</th> </tr> </thead> <tbody> <tr> <td>           Network Design and Management  <i>Chair: Huaxin Zeng</i> </td> <td>           Grid  <i>Chair: Savio S. H. Tse</i> </td> </tr> <tr> <td>           Traffic Regulation under the Percentile-Based Pricing Policy [IN]  <i>Jianping Wang</i> </td> <td>           Scheduling Divisible Loads in the Dynamic Heterogeneous Grid Environment [IN]  <i>Tao Zhu, Yongwei Wu and Guangwen Yang</i> </td> </tr> </tbody> </table>	Session 2A	Session 2B	Network Design and Management <i>Chair: Huaxin Zeng</i>	Grid <i>Chair: Savio S. H. Tse</i>	Traffic Regulation under the Percentile-Based Pricing Policy [IN] <i>Jianping Wang</i>
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	<p>Study of Dynamic Timeout Strategy based on Flow Rate Metrics in High-Speed Networks [L] <i>Mingzhong Zhou, Jian Gong and Wei Ding</i></p> <p>Ubiquitous Computing Environments and Its Usage Access Control [IN] <i>Hua Wang, Yanchun Zhang and Jinli Cao</i></p> <p>A Dynamic Mechanism for Handling Mobile Computing Environmental Changes [L] <i>MingJian Tang and Jinli Cao</i></p>	<p>Grid Information Service Based on Network Latency [S] <i>Xia Xie, Hai Jin, Jin Huang and Qin Zhang</i></p> <p>Resource Management and Organization in CROWN Grid [IN] <i>Jinpeng Huai, Tianyu Wo and Yunhao Liu</i></p> <p>Optimal Precomputation for Mapping Service Level Agreements in Grid Applications [L] <i>Qin Liu, Xiaohua Jia and Chanle Wu</i></p>
4:00pm	Coffee Break and Refreshments	
6:30pm	Conference Dinner (House of Canton, Festival Walk) [CP]	

Wednesday, May 31		
8:45am - 10:15am	<p><b>Session 3A</b> Parallel and Distributed Systems I <i>Chair: Wu-Hon F. Leung</i></p> <p>Automatic Code Generation of Data Decomposition [L] <i>Ya-Nan Shen, Rong-Cai Zhao and Jian-Min Pang</i></p> <p>A Library of Constructive Skeletons for Sequential Style of Parallel Programming [IN] <i>Kiminori Matsuzaki, Kento Emoto, Hideya Iwasaki and Zhenjiang Hu</i></p> <p>The Notification based Approach to Implementing Failure Detectors in Distributed Systems [IN] <i>Jin Yang, Jiannong Cao, Weigang Wu and Corentin Travers</i></p>	<p><b>Session 3B</b> Ontology and Semantic Web <i>Chair: Hai Zhuge</i></p> <p>Rough Concept Lattice based Ontology Similarity Measure [L] <i>Yi Zhao and Wolfgang Halang</i></p> <p>Automated Ontology Evolution in a Multi-Agent System [L] <i>Mohsen Afsharchi and Behrouz H. Far</i></p> <p>Scalable P2P based RDF Querying [S] <i>Felix Heine</i></p>
10:15am - 10:45am	Coffee Break and Refreshments	
10:45am - 12:15pm	<p><b>Session 4A</b> Searching and Indexing II <i>Chair: Hirotaka Ono</i></p> <p>CiteSeerX - A Scalable Autonomous Scientific Digital Library [L] <i>Huajing Li, Isaac G. Council, Levent Boilelli, Ding Zhou, Yang Song, Wang-Chien Lee, Anand Sivasubramaniam and C. Lee Giles</i></p> <p>M-Chord: A Scalable Distributed Similarity Search Structure [L] <i>David Novak and Pavel Zezula</i></p>	<p><b>Session 4B</b> Security I <i>Chair: Yanxiang He</i></p> <p>The challenges of service-side personalized spam filtering: scalability and beyond [IN] <i>Aleksander Kolcz, Michael Bond and James Sargent</i></p> <p>An Efficient Identity-based Signature Scheme With Batch Verifications [L] <i>Shi Cui, Pu Duan and Choong Wah Chan</i></p>

	<p>On Scalability of the Similarity Search in the World of Peers [L]  <i>Michal Batko, David Novak, Fabrizio Falchi and Pavel Zezula</i></p>	<p>An Evaluation Technique for Network Intrusion Detection Systems [S]  <i>Dana Zhang and Christopher Leckie</i></p>
12:15pm - 2:00pm	Lunch (City Top, 9/F Amenities Building, CityU) [CP]	
2:00pm - 3:30pm	<p><b>Session 5A</b>  P2P I  <i>Chair: Qing Li</i></p>	<p><b>Session 5B</b>  Security II  <i>Chair: Aleksander Kolcz</i></p>
	<p>Adaptive Content Management in Structured P2P Communities [L]  <i>Jussi Kangasharju, Keith W. Ross and David A. Turner</i></p> <p>Analysis and Comparison of P2P Search Methods [L]  <i>Dimitrios Tsoumakos and Nick Roussopoulos</i></p> <p>Efficient Progressive Processing of Skyline Queries in Peer-to-Peer Systems [L]  <i>Huajing Li, Qingzhao Tan and Wang-Chien Lee</i></p>	<p>Pairwise Key Establishment for Large-scale Sensor Networks: from Identifier-based to Location-based [IN]  <i>Chanjun Yang, Jianming Zhou, Wensheng Zhang and Johnny Wong</i></p> <p>A Scalable Key Management and Clustering Scheme for Ad Hoc Networks [L]  <i>Jason Hongjun Li, Renato Levy, Miao Yu and Bobby Bhattacharjee</i></p> <p>Simulating Non-Scanning Worms on Peer-to-Peer Networks [L]  <i>Guanling Chen and Robert S. Gray</i></p>
3:30pm - 4:00pm	Coffee Break and Refreshments	
4:00pm - 6:00pm	<p><b>Session 6A</b>  Scalable Applications  <i>Chair: Guojun Jin</i></p>	<p><b>Session 6B</b>  Information Retrieval I  <i>Chair: Mark Baillie</i></p>
	<p>Flows and Views for Scalable Scientific Process Integration [IN]  <i>Qing Li, Dickson K. W. Chiu, Zhe Shan, Patrick C. K. Hung and S. C. Cheung</i></p> <p>Scalability Issues in Urban Traffic Systems [IN]  <i>David Al-Dabass, Evtim Peytchev, Mohamed Khalil and Manling Ren</i></p> <p>Bioprofiling over Grid for Early Detection of Dementia [IN]  <i>Lingfen Sun, P. Hu, C. Goh, B. Hamadicharef, M. Hess, E. Ifeachor, I. Barbounakis, M. Zervakis, N. Nurminen and A. Varri</i></p> <p>Scalable Hardware Accelerator for Comparing DNA and Protein Sequences [L]  <i>Philippe Faes, Bram Minnaert, Mark Christiaens, Eric Bonnet, Yvan Saeys, Dirk Stroobandt and Yves Van de Peer</i></p>	<p>Query-Driven Document Partitioning and Collection Selection [IN]  <i>Diego Puppini, Fabrizio Silvestri and Domenico Laforenza</i></p> <p>Evaluation of Network Impact of Content Distribution Mechanisms [L]  <i>Shibsankar Das and Jussi Kangasharju</i></p> <p>Single-Pass Clustering for Peer-to-Peer Information Retrieval: The Effect of Document Ordering [L]  <i>Iraklis A. Klampanos, Joemon M. Jose and C. J. Keith van Rijsbergen</i></p> <p>Effective Level of Term Frequency Impact on Large-Scale Retrieval Performance [L]  <i>Soheila Karbasi and Mohand Boughanem</i></p>
6:30pm	Victory Dinner [for OC/PC members only]	

Thursday, June 1					
8:45am - 10:15am	<p style="text-align: center;"><b>Session 7</b> P2P II <i>Chair: Jinli Cao</i></p>				
	<p>Modelling Reputation-Based Resource Pooling in P2P Systems [L] <i>Matthias Fischmann</i></p> <p>PENS: An Algorithm for Density-Based Clustering in Peer-to-Peer Systems [L] <i>Mei Li, Guanling Lee, Wang-Chien Lee and Anand Sivasubramaniam</i></p> <p>Resource Discovery in Locality-aware Group-based Semantic Overlay of Peer-to-Peer Networks [L] <i>Yinglin Sun, Liang Sun, Xiaohui Huang and Yu Lin</i></p>				
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12:15pm - 2:00pm	Lunch (Shing Hin, 8/F Amenities Building, CityU) [CP]				
2:00pm	Local Tour & Dinner [CP] (Lamma Island, Seafood dinner, and Disneyland Fireworks)				