The Fourth International Conference on Cooperative Internet Computing (CIC2006)

Sponsored by:
The Croucher Foundation

Organized by:
The Hong Kong Polytechnic University

Conference Program

Day 1: October 25, 2006

9:30 – 10:30	Registration
10:30 – 11:00	Welcome Address: Dr. Stephen Chan General Co-chair CIC2006
11:00 – 11:20	Coffee Break
11:20 – 12:20	Keynote Speech I: Prof. Sunil Prabhakar Department of Computer Science Purdue University, USA
12:20 – 13:35	Lunch
13:35 – 15:05	**Session 1: Theories and Protocol of CIC** Chair: Wai Lam, Chinese University of Hong Kong Formal Specification for Privacy-Based Brokering Services for Cooperative Distributed Systems *AbdulMutalib Masaud-Wahaishi, Hamada Ghenniwa* A Persistent Conversation Protocol Supporting Anonymity and Security *Changjie Wang, Dickson K.W. Chiu, Ho-fung Leung* UPnP Eventing with Multicast Support in Home Computing Network *Chih-Lin Hu, Yen-Ju Huang, Wei-Shun Liao*
15:05 – 15:25	Coffee Break
15:25 – 16:55	**Session 2: Collaborative Information Retrieval** Chair: Robert Luk, The Hong Kong Polytechnic University Design and Anatomy of a Social Web Filtering Service *Michael G. Noll, Christoph Meinel* A Proposal of P2P Decentralized Search Engine Based on Statistical Information *Yingnan Liu, Takeshi Tsuchiya, Hirokazu Yoshinaga, Keiichi Koyanagi* Evaluation of a Rating Inference Approach to Utilizing Textual Reviews for Collaborative Recommendation *Cane Wing-ki Leung, Stephen Chi-fai Chan, Fu-lai Chung*

Day 2: October 26, 2006

9:30 – 10:30	Keynote Speech II: Prof. Timothy K. Shih Department of Computer Science and Information Engineering Tamkang University, Taiwan
10:30 – 10:50	Coffee Break
10:50 – 12:20	**Session 3: Technologies and Architecture for Collaboration** Chair: Alvin Chan, The Hong Kong Polytechnic University An Overlay Multicast Routing Scheme for Messaging Among Co-Servers *Shengwen Yang, Meilin Shi* Toward Merging of Economy Business Models into Grid Technology in NCHC GOCportal *Tsung-Ying Wu, Kuan-Ching Li, Ching-Hsien Hsu, Shin-Yi Lin, Ming-Hsiao Lee* Towards Implementation of Economy Issues in Grid Environments *Kuan-Ching Li, Tsung-Ying Wu, Ching-Hsien Hsu, Hsiao-Hsi Wang, Shin-Yi Lin*
12:20 – 13:35	Lunch
13:35 – 15:05	**Session 4: Collaborative Editing and Design** Chair: Reynold Cheng, The Hong Kong Polytechnic University A Web-Service-based Open-Systems Architecture for Achieving Heterogeneity in Synchronous Collaborative Editing Systems *Jon A Preston, Sushil K Prasad* Study and Realization of Advisor System Supported Collaborative Design *Wenhui Fan, Yiming Shen, Danni Wang* Clustering Sitemaps for Effective Querying *Patrick Ng, Vincent TY Ng*
15:05 – 15:25	Coffee Break
15:25 – 16:55	**Panel Discussion** Chair: Hong Va Leong, The Hong Kong Polytechnic University

Day 3: October 27, 2006

	Session 5: CIC Applications
	Chair: Stephen Chan, The Hong Kong Polytechnic University
9:00 – 11:00	Design and Implementation of Cooperative Internet Server for HD Video On Demand *Yuhyeon Bak, Kapdong Kim, Youngju Lee, Songwoo Sok, Changsoo Kim, Hagyoung Kim, Kyongsok Kim* Web-based Collaborative Development Environment for an ISA Simulator *Hideaki Yanagisawa, Minoru Uehara, Hideki Mori* A Shared Infrastructure for Cooperative Sensing Applications *Zhen Liu, Dimitrios Pendarakis, Fan Ye* A Time Workflow Model with Temporal Logic Constraints and Its Verification *Qiumei Yang, Yang Yu, Changsen Li*
11:00 – 11:20	Coffee Break
	Poster Session
	Chair: Victor Lee, The City University of Hong Kong
11:20 – 12:30	Resource Management Model Based on P2P Technology in Grid Environment *Yanyan Zhuang, Ye Liu, Lin Niu, Qin Xia* Evaluation of Numerical and Combined Algorithms for MDO *Tian Wei, Wenhui Fan* Adaptive Selection between Space-time Block Coding and Beamforming for Correlation-varying Channel *Meng Zeng, Tao Luo, Jun Wang, Shaoqian Li* A Fast and Effective Method of Content-Based Multimedia Information Retrieval System *Peng-Yu Liu, Ke-Bin Jia, Yan Wang* A Semantic Web Infrastructure based on VCoP: The DWeb Project *José Mauro da Silva, Cedric Luiz de Carvalho, Ana Paula L. Ambrósio*
12:30 – 13:45	Lunch