

SKG 2005 Program at a Glance

The First International Conference on Semantics, Knowledge and Grid, Nov. 27-29, 2005, Beijing, China

Registration: Nov. 27th, 10:00 a.m.—19:00 p.m. (Lobby of Building No.1, Friendship Hotel)

Sunday at a Glance (Nov. 27)

8:30-12:00	Research Students' Workshop on Semantic Grid and Knowledge Grid (Institute of Computing Technology, Chinese Academy of Sciences)
14:00-17:00	Tutorial (By Dr. Rajkumar Buyya, University of Melbourne, Australia) The Gridbus Toolkit: Creating and Managing Utility Grids for eScience and eBusiness Applications (Multi-function Hall of Building No.1)
19:00-20:30	Welcome Reception (Juxiu Restaurant of the Friendship Palace)

Monday at a Glance (Nov. 28)

	Multi-function Hall of Building No.1
9:00-9:10	Opening Ceremony
9:10-10:20	Invited Talk: What's the Semantics of Modeling Nature? (By Prof. David Harel, Weizmann Institute of Science, Israel)
10:20-10:35	Coffee Break
10:35-11:15	Panel Talk: Services for the Semantic Grid (By Prof. Geoffrey C. Fox, Indiana University, USA)
11:15-11:50	Panel Talk: The Knowledge Grid Methodology (By Prof. Hai Zhuge, Chinese Academy of Sciences)
12:00-13:00	Lunch (Jufu Restaurant of the Friendship Palace)

Monday at a Glance (Nov. 28)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
13:30-15:30	Research Session A (Session Chair: David Harel)	Industrial Session I (A) (Session Chair: Rajkumar Buyya)	Industrial Session II (A) (Session Chair: Yun Wang)
15:30-15:50	Coffee Break		
15:50-17:50	Research Session B (Session Chair: David De Roure)	Industrial Session I (B) (Session Chair: Rajkumar Buyya)	Industrial Session II (B) (Session Chair: Yun Wang)
19:00-21:00	Conference Banquet (Juxiu Restaurant of the Friendship Palace)		

Tuesday at a Glance (Nov. 29)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
9:00-10:20	Research Session C (Session Chair: Geoffrey C. Fox)	Industrial Session I (C) (Session Chair: Liming Chen)	Industrial Session II (C) (Session Chair: Xiaoping Sun)
10:20-10:40	Coffee Break		
10:40-12:00	Research Session D (Session Chair: Geoffrey C. Fox)	Industrial Session I (D) (Session Chair: Liming Chen)	Industrial Session II (D) (Session Chair: Xiaoping Sun)
12:00-13:00	Lunch (Jufu Restaurant of the Friendship Palace)		
13:30-16:00	Research Session E (Session Chair: Hai Zhuge)	Industrial Session I (E) (Session Chair: Jie Liu)	

Monday Afternoon (Nov. 28) (Research Paper: 25 minutes, Industrial Paper: 20 minutes)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
13:30-15:30	Research Session A (Session Chair: David Harel)	Industrial Session I (A) (Session Chair: Rajkumar Buyya)	Industrial Session II (A) (Session Chair: Yun Wang)
	<ul style="list-style-type: none"> ◆ Two Cache Replacement Algorithms Based on Association Rules and Markov Models <i>Keqiu Li, Wenyu Qu, Hong Shen</i> ◆ A Perspective of Fusing Ontology and Metamodeling Architecture in Interconnection Environment <i>Jin Liu, Keqing He, Fei He, Bing Li</i> ◆ A Workflow Knowledge Grid/P2P Architecture for Massively Parallel and Very Large Scale Workflows <i>Kwanghoon Kim</i> ◆ Control-path Oriented Workflow Intelligence Analysis on Enterprise Workflow Grids <i>Kwanghoon Kim</i> ◆ Knowledge Technology through Functional Layered Intelligence <i>Martin Dimkovski, Kevin Deeb</i> 	<ul style="list-style-type: none"> ◆ An Integrated Database Benchmark Suite <i>Hoe Jin Jeong, Sang Ho Lee</i> ◆ Difference between Korean and Japanese Online Game Users: Analysis with a Multi-group Structural Model <i>Jae-Young Moon, Sang-Chul Lee, Nam-Hee Kim, Yung-Ho Suh</i> ◆ A Multi-Agent Infrastructure for Information Systems Integration <i>Changgui Chen, Wei Dai</i> ◆ Towards a Framework for Agent-enabled Semantic Integration in the Design of Distributed Digital Museum <i>Yu Jie-hua, Liu Hong-zhe, Bao Hong, Xu De</i> ◆ A Chaotic Neural Network Algorithm for Task Scheduling in Overlay Grid <i>CAO Huai-hu, YU Zhen-wei, WANG Yin-yan</i> 	<ul style="list-style-type: none"> ◆ A Credibility Based Scheduling Algorithm for Computational Grid <i>Zheng-xiong Hou, Xing-she Zhou, Yun-lan Wang</i> ◆ A Dynamic QoS Driven Approach to GIS Grid Services Selector <i>Wen-jun LI, Dan CHEN, Ying-wen WEN</i> ◆ A Grid Resource Discovery Method under the Circumstances of Heterogeneous Ontologies <i>Tingwei Chen, Bin Zhang, Xianwen Hao, Haidong Zheng</i> ◆ A Grid-based Face Recognition Approach Using General Template Matching <i>Anlong Ming, Huadong Ma, Haiyang Zhang, Wei Xiong</i> ◆ A Mathematical Approach to Disaster Recovery Planning <i>Wang Kun, Yin Zhonghai, Yuan Feng, Zhou Lihua</i> ◆ Towards Automatic Service Discovery and Monitoring in WS-Resource Framework <i>Said Mirza Pahlevi, Isao Kojima</i>
15:30-15:50	Coffee Break		

Monday Afternoon (Nov. 28) (Research Paper: 25 minutes, Industrial Paper: 20 minutes)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
15:50-17:50	Research Session B (Session Chair: David De Roure)	Industrial Session I (B) (Session Chair: Rajkumar Buyya)	Industrial Session II (B) (Session Chair: Yun Wang)
	<ul style="list-style-type: none"> ◆ The Cache Replacement Problem for Multimedia Object Caching <i>Keqiu Li, Wenyu Qu, Hong Shen</i> ◆ An Answer Fusion Model for Web-based Question Answering <i>Nengfu Xie, Liu Wenyin</i> ◆ Semantic-Overly-Driven Web Services Discovery <i>Hai Jin, Hao Wu, Yunfa Li, Hanhan Chen</i> ◆ Information Services for Dynamically Assembled Semantic Grids <i>Mehmet S. Aktas, Geoffrey C. Fox, Marlon Pierce</i> ◆ Dynamic Co-allocation Scheme for Parallel Data Transfer in Grid Environment <i>R.S.Bhuvaneshwaran, Yoshiaki Katayama, Naohisa Takahashi</i> 	<ul style="list-style-type: none"> ◆ Towards Semantic Web Services in Grid Environments <i>Ioan Toma, Dumitru Roman, Kashif Iqbal, Juergen Hofer, Dieter Fensel, Stefan Decker</i> ◆ A QoS-based Task Decomposing Middleware Research for Manufacturing Grid <i>He Yu'an, Yu Tao, Liu Lilan, Shen Bin, Sun Haiyang</i> ◆ A Robust Load Balancing Pattern for Grid Computing <i>Junling Wang, Yun Wang</i> ◆ An Adaptive PPM Prediction Model Based on Pruning Technique <i>Lei Shi, Yangjie Cao, Xiaoguang Ding, Lin Wei, Zhimin Gu</i> ◆ An Agent-based Grid Monitoring System Featuring Dynamic and On-demand Sensor Deployment and Management <i>Yinan Li, Xiaolin Gui</i> ◆ An Agent-based Peer-to-peer Grid Computing Architecture <i>Jia Tang, Minjie Zhang</i> 	<ul style="list-style-type: none"> ◆ An Evaluation of RDF Storage Systems for Large Data Applications <i>Baolin Liu, Bo HU</i> ◆ An Integrative Information Resource Management Mechanism in Aegis Grid <i>Shaofeng Wang, Zhong Zhou, Wei Wu</i> ◆ Ant Algorithm for File Replica Selection in Data Grid <i>Sun Min, Sun Jizhou, Lu Efeng, Yu Ce</i> ◆ A High-Performance Scheduling Algorithm Based on Packet Storage <i>Jing Qu, Ximing Hu, Peng Yi, Xingming Zhang, Binqiang Wang</i> ◆ A Distributed Cryptographic Computing System <i>Zhonghua Jiang, Lin Xu, Lei Lin, Dayin Wang, Dongdai Lin</i> ◆ Trust in Knowledge Flow Network <i>Weiyu Guo, Xinjie Shi, Lei Cao and Kun Yang</i>

Tuesday Morning (Nov. 29) (Research Paper: 25 minutes, Industrial Paper: 20 minutes)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
9:00-10:20	Research Session C (Session Chair: Geoffrey C. Fox)	Industrial Session I (C) (Session Chair: Liming Chen)	Industrial Session II (C) (Session Chair: Xiaoping Sun)
	<ul style="list-style-type: none"> ◆ Batch Processing in Workflow: the Model and the Implementation <i>Jianxun Liu, Haiyan Chen, Jinmin Hu</i> ◆ DeSeA: A Page Segmentation based Algorithm for Information Extraction <i>Juan He, Zhiqiang Gao, Hui Xu, Yuzhong Qu</i> ◆ Distributed End Host Multicast Algorithms for Irregular Overlay Mesh <i>Wanqing Tu, Weijia Jia</i> ◆ DLOnto: A Semantic Information Model for Digital Libraries <i>Ming Zhang, Zhihong Deng, Sukai Ding, Dongqing Yang</i> ◆ R-Chord: A Semantic-based Peer Data Management Model Jie LIU and Hai ZHUGE 	<ul style="list-style-type: none"> ◆ Research on Security Architecture and Privacy Policy of Grid Computing System <i>Jiong Yu, Xianhe Sun, Yuanda Cao, Yonggang Lin, Li Tan</i> ◆ OGSA-GFS : A OGSA based Grid File System <i>SungHo Chin, JongHyuk Lee, HwaMin Lee, DaeWon Lee, HeonChang Yu, Pillwoo Lee</i> ◆ Computation Time of Grid Computing with Data Transfer Times of the Gamma Distribution <i>Hiroshi Shibuya, Kazutoki Takeda, Yuki Terata, Kazuki Saruta, Yoshihiro Nakamura</i> ◆ Converting IFC Data to the Web Ontology Language <i>Hans Schevers, Robin Drogemuller</i> ◆ A Grid Service Infrastructure for Mobile Devices <i>Tao Guan, Ed Zaluska, David De Roure</i> 	<ul style="list-style-type: none"> ◆ Deep into the Framework for Different Coarse-grained P2P Computing Based on JXTA <i>Ma Yong, Zhang Yuqing, Meng Bo</i> ◆ Developing a Prototype of Teleimmersive Collaboration Environment and its Application for a Circulatory Disease Diagnostic Support System <i>Masahiro Watanabe, Motoi Okuda, Teruo Matsuzawa</i> ◆ RDF-based innovative design knowledge representation <i>Lu Zhen, Zuhua Jiang, Hai Su, Jun Liang</i> ◆ Enhancement of Bridge Management System (BMS) with Mobile Communication Technology <i>Tai Sik Lee, Dong Wook Lee, Young Hyun Kim, Jeong Hyun Kim</i>
10:20-10:40	Coffee Break		

Tuesday Morning (Nov. 29) (Research Paper: 25 minutes, Industrial Paper: 20 minutes)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
10:40-12:00	Research Session D (Session Chair: Geoffrey C. Fox)	Industrial Session I (D) (Session Chair: Liming Chen)	Industrial Session II (D) (Session Chair: Xiaoping Sun)
	<ul style="list-style-type: none"> ◆ Answering Queries using View for RDF/RDFS-based Relational Data Integration in Semantic Web <i>Huajun Chen, Zhaohui Wu, Yuxin Mao</i> ◆ Client and Server Anonymity Preserving in P2P File Sharing <i>Byung Ryong Kim, Ki Chang Kim</i> ◆ Feedback based Dynamic Autonomous Web Service Composition <i>Xun Liu, Yang Gao, Dong Shao, Yixing Yao</i> ◆ An Interest-based P2P RDF Query Architecture <i>Qian Gao, Zhihuan Qiu, Yu Wu, Jing Tian, Yafei Dai</i> 	<ul style="list-style-type: none"> ◆ Holistic Load Balancing Strategy and Practice in Object Storage System <i>Dan Feng, et al.</i> ◆ Path Queries Based RDF Index <i>Baolin Liu, Bo HU</i> ◆ Performance Modeling of Grid Resource Management and Scheduling Systems <i>Ye Hong, Chuang Lin, Yang Qu</i> ◆ Research on Resource Deployment of Grid Workflow <i>Kai Zheng, Xueli Yu, Ruiping Niu</i> ◆ RPGOntology: A Semantic Webized Knowledge Base of Radiation Protection Guidelines <i>Helen Chen, Jos De Roo, Stan Devitt</i> 	<ul style="list-style-type: none"> ◆ Semantic Web User XQuery Pattern Method for Personalization Recommender Service <i>JinHong Kim, EunSeok Lee</i> ◆ Study of Secure Complicated Information System Architecture Model <i>Wang Kun, Su Ruidan, Li Zengxin, Cai Zhen, Zhou Lihua</i> ◆ A Trust and Reputation Model of Grid Resources for Cooperating Application <i>Wang Xinhua, Gui Xiaolin, Chen Feifei</i> ◆ MPICH for FC-based Token-Routing Switch-Network <i>ZENG Xiaohui, LEI Yanjing, LIN Yi, KANG Jichang</i> ◆ Virtual Communities and Community Coordinator <i>Asif Akram, Rob Allan, Omer Rana</i>
12:00-13:00	Lunch (Jufu Restaurant of the Friendship Palace)		

Tuesday Afternoon (Nov. 29) (Research Paper: 25 minutes, Industrial Paper: 20 minutes)

	Meeting Room 201	Meeting Room 202	Meeting Room 203
13:30-16:00	Research Session E (Session Chair: Hai Zhuge)	Industrial Session E (Session Chair: Jie Liu)	
	<ul style="list-style-type: none"> ◆ The Construction of Overlay Network in P2P-based Resource Discovery Model in Grid Environment <i>Xiaoshe Dong, Xiuqiang He, Hua Guo, Wancheng Li, Xingjun Zhang</i> ◆ Web Prefetching Control Model Based on Prefetch-Cache Interaction <i>Lei Shi, Bing Song, Xiaoguang Ding, Zhimin Gu, Lin Wei</i> ◆ Interaction Complexity -- A Computational Complexity Measure for Service-Oriented Computing <i>Xingwu Liu, Zhiwei Xu</i> ◆ Knowledge Energy in Knowledge Flow Networks <i>Hai Zhuge, Weiyu Guo, Xiang Li, Lianhong Ding</i> ◆ SPN Model for Web Prefetching and Caching <i>Lei Shi, Yingjie Han, Xiaoguang Ding, Lin Wei, Zhimin Gu</i> 	<ul style="list-style-type: none"> ◆ Architecture-based Web Service Composition Framework and Strategy <i>Yuan Rao</i> ◆ Meta Service in Intelligent Platform of Virtual Travel Agency <i>Sui Qi, Wang Hai-yang</i> ◆ An Ontology-Driven Information Retrieval Mechanism for Semantic Information Portals <i>Jian Guan, Xiang Zhang, Jianming Deng, Yuzhong Qu</i> ◆ Hierarchical Semantic Perceptron Grid Based on Neural Network <i>CAO Huai-hu, YU Zhen-wei, WANG Yin-yan</i> ◆ Floating License Sharing System in Grid Environment <i>Dong Xiaoshe, et al.</i> ◆ Sim-grid HLA-simulation grid prototype oriented to evaluation of Warfare Performance <i>Yunxiang Ling, Xiangning Shi, Wenyuan Wang</i> 	