

GCC 2005 PROGRAM AT A GLANCE

DATE/ TIME	GCC 2005				Special Sessions & Workshops	Exhibition	
November 29 to December 3 (7:30-18:00)	Registration and Conference Material Pickup Reception Desks on First Floor (1F)						
November 30 (8:30-12:10)	Open Ceremony					Exhibition Hall (2# Expo on 1F)	
November 30 (13:30-17:30)	Keynote Talks Room No. 1 (2F)						
December 1 (8:30-12:40)							
December 1 (14:00-16:30)	Roundtable on Computer Innovation Trends Room: No.7 +No.8 (2F)		Roundtable on Computer Education Room: No.11+ No.12 (3F)				
December 1 (16:30-18:30)	Press Conference Room No. 3 (3F)						
December 2 (8:30-10:10)	Open Session Rm No.10 +11 +12 (3F)				Panel Session on Auto. Program Optimization Rm No. 16 (3F)		
December 2 (10:30-12:10)	Session 1A Grid Services and Grid Security I Rm No.10	Session 1B Grid Middleware and Applications I Rm No.11	Session 1C P2P Computing and Automatic Computing I Rm No.12	Session 1D Software Engineering and Cooperative Computing I Rm No.13			
December 2 (13:30-15:30)	Session 2A Grid Services and Grid Security II Rm No.10	Session 2B Grid Middleware and Applications II Rm No.11	Session 2C Resource Management I Rm No.12	Session 2D Software Engineering and Cooperative Computing II Rm No.13	Panel Session on NPC Trends Rm No. 16 (3F)		
December 2 (15:50-17:50)	Session 3A Grid Services and Grid Security III Rm No.10	Session 3B Grid Middleware and Application III Rm No.11	Session 3C Resource Management II Rm No.12	Session 3D P2P Computing and Automatic Computing II Rm No.13	Special Session on System Software Rm No. 16 (3F)		

December 3 (8:30-10:10)	Session 4A Knowledge Grid and Semantic Grid I <i>Rm No.10</i>	Session 4B Performance Evaluation and Modeling I <i>Rm No.11</i>	Session 4C P2P Computing and Automatic Computing III <i>Rm No.12</i>	Workshops (Bioinformatics, Internet Security, Sino-UK Grid) <i>Rm A/B/C</i> (5# Expo on 1F)	
December 3 (10:30-12:00)	Session 5A Knowledge Grid and Semantic Grid II <i>Rm No.10</i>	Session 5B Grid Middleware and Application IV <i>Rm No.11</i>	Session 5C Grid Services and Grid Security IV <i>Rm No.12</i>		
December 3 (13:30-16:30)	Session 6A Grid Services and Grid Security V <i>Rm No.10</i>	Session 6B P2P Computing and Automatic Computing IV <i>Rm No.11</i>	Session 6C Resource Management III <i>Rm No.12</i>		
December 3 (16:50-17:50)	Session 7A Grid Middleware and Application V <i>Rm No.10</i>	Session 7B Performance Evaluation and Modeling II <i>Rm No.11</i>	Session 7C Knowledge Grid and Semantic Grid III <i>Rm No.12</i>		

Reference Schedule

Friday, December 2, 2005

8:30~9:10	Opening Ceremony
9:10~10:10	Keynote: <i>Towards Global Collaborative Computing: Opportunities and Challenges of Peer to Peer Networks and Applications</i> Ling Liu (College of Computing Georgia Institute of Technology, USA)
10:10~10:30	Coffee Break
10:30~12:10	Parallel Session: 1A,1B,1C,1D

Session 1A: Grid Services and Grid Security

Session Chair: Geoffrey Fox (Indiana University, USA)

Management of Real-Time Streaming Data Grid Services

Geoffrey Fox, Galip Aydin, Harshawardhan, Gadgil, Shrideep Pallickara, Marlon Pierce, Wenjun Wu

SVM Approach with CTNT to Detect DDoS Attacks in Grid Computing

Jungtaek Seo, Cheolho Lee, Taeshik Shon, Jongsub Moon

A QoS-satisfied Interdomain Overlay Multicast Algorithm for Live Media Service Grid

Yuhui Zhao, Yuyan An, Cuirong Wang, Yuan Gao

Automated Immunization Against Denial-of-Service Attacks Featuring Stochastic Packet Inspection

Jongho Kim, Jaeik Cho, Jongsub Moon

Mobile-Agent-Based Web Service Composition

Zhuzhong Qian, Sanglu Lu, Li Xie

Session 1B: Grid Middleware and Applications

Session Chair: Rajkumar Buyya (The University of Melbourne, Australia)

An Efficient Collective Communication Method Using a Shortest Path Algorithm in a Computational Grid

Yong Hee Yeom, Seok Myun Kwon, Jin Suk Kim

An Integration of Global and Enterprise Grid Computing: Gridbus Broker and Xgrid Perspective

Marcos Dias de Assunção, Krishna Nadiminti, Srikumar Venugopal, Tianchi Ma, Rajkumar Buyya

MAG: A Mobile Agent based Computational Grid Platform

Rafael Fernandes Lopes, Francisco Jose da Silva e Silva, Bysmarck Barros de Sousa

Experiences in Running Workloads over Grid3

Catalin L. Dumitrescu, Ioan Raicu, Ian Foster

An Efficient Network Information Model Using NWS for Grid Computing Environments

Chao-Tung Yang, Po-Chi Shih, Sung-Yi Chen, Wen-Chung Shih

Session 1C: P2P Computing and Automatic Computing

Session Chair: Guihai Chen (Nanjing University, China)

Anonymous Communication Systems in P2P Network with Random Agent Nodes

Byung Ryong Kim, Ki Chang Kim

An Efficient Cluster-Hierarchy Architecture Model ECHP2P for P2P Networks

Gangxue Yue, Renfa Li, Zude Zhou, Ronghui Wu

Building Efficient Super-Peer Overlay Network for DHT Systems

Yin Li, Xinli Huang, Fanyuan Ma, Futai Zou

Exploiting the Heterogeneity in Structured Peer-to-Peer Systems

Tongqing Qiu, Guihai Chen

Dynamic Scheduling Mechanism for Result Certification in Peer to Peer Grid Computing

SungJin Choi, MaengSoon Baik, JoonMin Gil, ChanYeol Park, SoonYoung Jung, ChongSun Hwang

Session 1D: Software Engineering and Cooperative Computing

Session Chair: Wanchun Dou (Nanjing University, China)

A Hybrid Workflow Paradigm for Integrating Self-Managing Domain-Specific Applications

Wanchun Dou, S.C. Chueng, Guihai Chen, J.Wang, S.J.Cai

Supporting Remote Collaboration through Structured Activity Logging

Matt-Mouley Bouamrane, Saturnino Luz, Masood Masoodian, David King

The Implementation of Component Based Web Courseware in Middleware Systems

Hwa-Young Jeong

A Single-pass Online Data Mining Algorithm Combined with Control Theory with Limited Memory in Dynamic Data Streams

Yanxiang He, Naixue Xiong, Xavier Défago, Yan Yang, Jing He

An Efficient Heuristic Algorithm for Constructing Delay- and Degree-Bounded Application-Level Multicast Tree

Feng Liu, Xicheng Lu, Yuxing Peng

12:10~13:30	Lunch
13:30~15:30	Parallel Session:2A,2B,2C,2D

Session 2A: Grid Services and Grid Security

Session Chair: E.Papalilo (University of Marburg, Germany)

Trust Shaping: Adapting Trust Establishment and Management to Application Requirements in a Service-Oriented Grid Environment

E.Papalilo, T.Friese, M.Smith, B.Freisleben

Model Transformation Based Verification of Web Services Composition

Yanping Yang , Qinqing Tan, Yong Xiao

A Worm Behavioral Approach to Susceptible Host Detection

Bailing Wang, Binxing Fang, Xiaochun Yun

A Dynamic Web Service Selection Strategy with QoS Global Optimization Based on Multi-Objective Genetic Algorithm

Shulei Liu, Yunxiang Liu, Ning Jing, Guifen Tang, Yu Tang

A Formal Model for Grid Service Deployment in Grid Service Mining Based on Installation Strategies

Tun Lu , Zhishu Li, Chunlin Xu, Xuemei Huang

A Grid Accounting Information Service for Site Autonomy

Beob Kyun Kim, Haeng Jin Jang, Dong Un An, Seung Jong Chung

A KPN Based Cooperative Composition Model of Services

Xiuguo Zhang, Weishi Zhang, JinyuShi

Session 2B: Grid Middleware and Applications

Session Chair: Yun Yang (Swinburne University of Technology, Australia)

Flexible Temporal Consistency for Fixed-time Constraint Verification in Grid Workflow Systems

Jinjun Chen, Yun Yang

An Adaptive Scheduling Algorithm for Molecule Docking Design on Grid

Yanli Hu, Liang Bai, Weiming Zhang, Weidong Xiao, Zhong Liu

XML-based Digital Signature Accelerator in Open Mobile Grid Computing

Namje Park, Kiyoun Moon, Kyoil Chung, Seungju Kim, Dongho Won

Experiences on Parallel Replicated Discrete-event Simulation on a GRID

Ángel Perles, Antonio Martí, Francisco Rodríguez, Juan José Serrano, Miguel A. Mateo

Towards an End-user Programming Environment for the Grid

Chengchun Shu, Haiyan Yu, Lijuan Xiao, Haozhi Liu, Zhiwei Xu

TCP/IP Offload Engine Module Supporting Binary Compatibility for Standard Socket Interfaces

Dong-Jae Kang, Kang-Ho Kim, Sung-In Jung, Hae-Young Bae

Session 2C: Resource Management

Session Chair: Yuhui Qiu (Southwest China Normal University, China)

A Scalable Resource Locating Service in Vega Grid

Mo Hai, Li Zha, Haozhi Liu

rBundle: An Iterative Combinatorial Auction-based Approach to Supporting Advance Reservation

Zhixing Huang, Yuhui Qiu

Decentralized Grid Resource Locating Protocol Based on Grid Resource Space Model

Deke Guo, Honghui Chen, Chenggang Xie, Hongtao Lei, Tao Chen, Xueshan Luo

A Constellation Resource Discovery Model Based on Scalable Multi-tape Universal Turing Machine

Yinfeng Wang, Xiaoshe Dong, Hua Guo, Xiuqiang He, GuoRong Liu

Replica Placement in Data Grid: A Multi-objective Approach

Rashedur M. Rahman, Ken Barker, Reda Alhadj

Grid Resource Discovery Using Semantic Communities

Juan Li, Son Vuong

Session 2D: Software Engineering and Cooperative Computing

Session Chair: Zhongzhi Shi (Institute of Computing Technology, Chinese Academy of Sciences, China)

The Batch Patching Method Using Dynamic Cache of Proxy Cache for Streaming Media

Zhiwen Xu, Xiaoxin Guo, Xiangjiu Che, Zhengxuan Wang, Yunjie Pang

A Rule-Based Analysis Method for Cooperative Business Applications

Yonghwan Lee, Eunmi Choi, Dugki Min

Retargetable Machine-Description System: Multi-layer Architecture Approach

Dan Wu, Kui Dai, Zhiying Wang
An Unbalanced Partitioning Scheme for Graph in Heterogeneous Computing
Yiwei Shen, Guosun Zeng

A Connector Interaction for Software Component Composition with Message Central Processing
Hwa-Young Jeong

Research on The Fault Tolerance Deployment in Sensor Networks
Juhua Pu, Zhang Xiong

The Effect of Router Buffer Size on Queue Length-based AQM Schemes
Ming Liu, Wenhua Dou, Heying Zhang

Parallel Web Spiders for Cooperative Information Gathering
Jiewen Luo, Zhongzhi Shi, Maoguang Wang ,Wei Wang

15:30~15:50	Coffee Break
15:50~17:50	Parallel Session:3A,3B,3C,3D

Session 3A: Grid Services and Grid Security

Session Chair: Minglu Li (Shanghai Jiao Tong University, China)

A Layered Architecture of Service Organization in AegisGrid
Li Liu, Zhong Zhou, Wei Wu

A Multi-agent Framework for Grid Service Workflow Embedded with Coloured Petri Nets
Zhengli Zhai , Lei Zhou, Yang Yang, Zhimin Tian

A New United Certificate Revocation Scheme in Grid Environments
Ying Liu, Shengrong Wang, Jingbo Xia, Jun Wei
16:35pm-16:50pm

A Novel Secure Routing System in Overlay Environment
Han Su, Yun Wang

A Semantic Metadata Catalog Service for Grid
Kewei Wei, Ming Zhang, Yaping Zhu

An ECA-Rule-Based Workflow Management Approach for Web Services Composition
Yi Wang, Minglu Li, Jian Cao, Feilong Tang, Lin Chen, Lei Cao

The Research on MPC-WS A Web Service for the Simulation of Metal Powder Compaction Process
Puqing Chen, Kejing He, Zhaoyao Zhou, Yuanyuan Li

Session 3B: Grid Middleware and Application

Session Chair: William Song (University of Durham, UK) , Xiaoming Li (Peking University, China)

A Hybrid Parallel Loop Scheduling Scheme on Grid Environments

Wen-Chung Shih, Chao-Tung Yang, Shian-Shyong Tseng

A Conceptual Modeling Approach to Virtual Organizations in the Grid

William Song, Xiaoming Li

Incorporating Data Movement into Grid Task Scheduling

Xiaoshan He, Xianhe Sun

Design and Implementation of a Middleware for Hybrid Switching Networks

Yueming Lu, Yuefeng Ji, Aibo Liu

Optimizing Large File Transfer on Data Grid

Teng Ma, Junzhou Luo

Session 3C: Resource Management

Session Chair: Peng Shi (Institute of Computing Technology, Chinese Academy of Sciences, China)

Dynamic Multi-Stage Resource Selection with Preference Factors in Grid Economy

Yu Hua, Chanle Wu

On-Demand Resource Allocation for Service Level Guarantee in Grid Environment

Hailan Yang, Gongyi Wu, Jianzhong Zhang

A Prediction-based Parallel Replication Algorithm in Distributed Storage System

Yijie Wang, Xiaoming Zhang

The Architecture and Implementation of Resource Space Model System

Peng Shi, Yunpeng Xing, Erlin Yao, Zhen Wang, Kehua Yuan, Junsheng Zhang, Jianzeng Wang, Fei Guo

An Optimistic Replication Algorithm to Improve Consistency for Massive Data

Jing Zhou, Yijie Wang, Sikun Li

A SLA-based Resource Donation Mechanism for Service Hosting Utility Center

Yufeng Wang, Huaimin Wang, Yan Jia, Dianxi Shi, Bixin Liu

Session 3D: P2P Computing and Automatic Computing

Session Chair: Jiannong Cao (Hong Kong Polytechnic University, Hong Kong)

A Hybrid Peer-to-Peer Media Streaming

Sunghoon Son

Trust Model Based on Similarity Measure of Vectors in P2P Networks

Leitao Guo, Shoubao Yang, Jing Wang, Jinyang Zhou

A Large Scale Distributed Platform for High Performance Computing

Nabil Abdennadher, Régis Boesch

An Adaptive Service Strategy Based on User Rating in P2P

Jianming Fu, Lei Zhang, Weinan Li, Huanguo Zhang

P2PGrid: Integrating P2P networks into the Grid Environment

Jiannong Cao, Fred B. Liu

Saturday, Dec.3, 2005

8:30~10:10

Parallel Session:4A,4B,4C

Session 4A: Knowledge Grid and Semantic Grid

Session Chair: Zhaohui Wu (Zhejiang University, China)

Query Optimization in Database Grid

Xiaoqing Zheng, Huajun Chen, Zhaohui Wu, Yuxin Mao

Pushing Scientific Documents by Discovering Interest in Information Flow within E-Science

Knowledge Grid

Lianhong Ding, Xiang Li, Yunpeng Xing

Schema Adaptation under Multi-relation Dependencies

Minghong Zhou, Huaming Liao, Feng Li

Dart-Dataflow: Towards Communicating Data Semantics in Sensor Grid

Zhiyong Ye, Huajun Chen, Zhaohui Wu

Data Distribution Management Modeling and Implementation on Computational Grid

Jong Sik Lee

Differentiated Application Independent Data Aggregation in Wireless Sensor Networks

Jianlin Qiu, Ye Tao, Sanglu Lu

Session 4B: Performance Evaluation and Modeling

Session Chair: Hong Shen (Japan Advanced Institute of Science and Technology, Japan)

Design of the Force Field Task Assignment Method and Associated Performance Evaluation for Desktop Grids

Edscott Wilson Garcia, Morales-Luna Guillermo

Performance Investigation of Weighted Meta-Scheduling Algorithm for Scientific Grid

Jie Song, Chee-Kian Koh, Simon See, Gay Kheng Leng

Performance Analysis of Domain Decomposition Applications Using Unbalanced Strategies in Grid Environments, Beatriz Otero, José M.Cela, Rosa M, Badía, Jesús Labarta

Cooperative Determination on Cache Replacement Candidates for Transcoding Proxy Caching

Keqiu Li, Hong Shen, Di Wu

Mathematics Model and Performance Evaluation of A Scalable TCP Congestion Control Protocol to LNCS/LNAI Proceedings

Lisong Shao, Heying Zhang, Yanxin Zheng, Wenhua Dou

Session 4C: P2P Computing and Automatic Computing

Session Chair: Wenyu Qu (Japan Advanced Institute of Science and Technology, Japan)

An Efficient Content-based Notification Service Routed Over P2P Network

Xixiang Hu, Yuexuan Wang, Yunhe Pa

Distribution of Mobile Agents in Vulnerable Networks

Wenyu Qu, Hong Shen, Yingwei Jin

A Mathematical Foundation for Topology Awareness of P2P Overlay Networks

Habib Rostami, Jafar Habibi

SChord: Handling Churn in Chord by Exploiting Node Session Time

Feng Hong, Minglu Li, Jiadi Yu

Towards Reputation-Aware Resource Discovery in Peer-to-Peer Networks

Jinyang Zhou, Shoubao Yang, Leitao Guo, Jing Wang, Ying Chen

10:10~10:30	Coffee Break
10:30~12:00	Parallel Session(5A,5B,5C)

Session 5A: Knowledge Grid and Semantic Grid

Session Chair: Jianzhong Li (Harbin Institute of Technology, China)

Dynamic Models of Knowledge in Virtual Organizations

Yan Ren, Xueshan Luo

Scientific Data Management Architecture for Grid Computing Environments

Jaechun No, Nguyen Tien Cuong, Sung Soon Park

Efficient Join Algorithms for Integrating XML Data in Grid Environment

Hongzhi Wang, Jianzhong Li, Shuguang Xiong

Integrated k-NN Query Processing based on Geospatial Data Services

Guifen Tang, Luo Chen, Yunxiang Liu, Shulei Liu, Ning Jing

SGII: Towards Semantic Grid-based Enterprise Information Integration

Jingtao Zhou, Shusheng Zhang, Han Zhao, Mingwei Wang

The Architecture of SIG Computing Environment and Its Application to Image Processing

Chunhui Yang, Deke Guo, Yan Ren, Xueshan Luo, Jinfeng Men

Session 5B: Grid Middleware and Application

Session Chair: Jian Cao (Shanghai Jiao Tong University, China)

A Dynamic Grid Workflow Model Based On Workflow Component Reuse

Jian Cao, Yujie Mou, Jie Wang, Shensheng Zhang, Minglu Li

Coordinated Placement and Replacement for Grid-based Hierarchical Web Caches

Wenzhong Li, Kun Wu, Ping Xu, Tao Ye, Sanglu Lu, Daoxu Chen

A XML-based Composition Event Approach as an Integration and Cooperation Middleware

Gang Xu, Jiangang Ma, Tao Huang

An Infrastructure for Grid Job Monitoring

Cuiju Luan, Guanghua Song, Yao Zheng

Grid Enabled Master Slave Task Scheduling for Heterogeneous Processor Paradigm

Ching-Hsien Hsu, Tai-Lung Chen, Guan hao Lin

Session 5C: Grid Services and Grid Security

Session Chair: Guihai Chen (Nanjing University, China), Shijie Cai (Nanjing University, China)

An Efficient Password Authentication Schemes Without Using the Server Public Key for Grid

Computing

Eun-Jun Yoon, Kee-Young Yoo

Certificate-Driven Grid Workflow Paradigm Based on Service Computing

Wanchun Dou, S.C. Cheung, Guihai Chen, Shijie Cai

Dynamic-Role Based Access Control Framework across Multi-Domains in Grid Environment

Ying Chen, Shoubao Yang, Leitao Guo

An Automatic Policy Refinement Mechanism for Policy-driven Grid Service Systems

Beishui Liao, Ji Gao

Grid Services Adaptation in a Grid Workflow

Wencai Guo, Yang Yang, Zhengli Zhai

BlogGrid: Towards an Efficient Information Pushing Service on Blogspace

Jason J. Jung, Inay Ha, Geun-Sik Jo

12:00~13:30	Lunch
13:30~16:30	Parallel Session:6A,6B,6C

Session 6A: Grid Services and Grid Security

Session Chair: Keqing He (Wuhan University, China), Jin Liu (Wuhan University, China)

Research of Security Architecture for P2P Network based on Trust Management System

Dehua Zhang, Yuqing Zhang, Yiyu Zhou

A Time-Frame based Trust Model for Grids

Woodas W.K. Lai, Kam-Wing Ng.

Application of Control Engineering Methods to Congestion Control in Differentiated Service Networks

F. Habibipou, M. Khajepour, M. Galily

Research on Semantic-Based Web Services Registry Federation

Bing Li, Fei He, Wudong Liu, Keqing He, Jin Liu

A Proxy-based Dynamic Inheritance of Soft-device

Jia Bi, Yanyan Li, Yunpeng Xing, Xiang Li, Xue Chen

Temporal Logical-based Web Services Architecture Description

Yuan Rao

The Design and Implementation of GIS Grid Services

Wenjun Li, Yongji Li, Zhiwei Liang, Chuwei Huang, Yingwen Wen

The Minimization of QoS Deviation in Grid Environment

Zhongzhong Zhang, Yinliang Zhao, Fangfang Wu, Zengzhi Li

Towards a Framework for Automatic Service Composition in Manufacturing Grid

Lei Zhang, Weizheng Yuan, Wei Wang

Characterizing Services Composeability and OWL-S based Services Composition

Zhonghua Yang, Zhangjing Bing, Jiao Tao, Robert Gay

Session 6B: P2P Computing and Automatic Computing

Session Chair: Minglu Li (Shanghai Jiaotong University, China)

Constructing Fair-Exchange P2P File Market

Min Zuo, Jianhua Li

A Novel Behavior-Based Peer-to-Peer Trust Model

Tao Wang, Xianliang Lu, Hancong Duan

A Topology Adaptation Protocol for Structured Superpeer Overlay Construction

Changyong Niu, Jian Wang, Ruimin Shen

A Routing Protocol Based on Trust for MANETs

Cuirong Wang, Xiaozong Yang, Yuan Gao

Dynamic Zone-Balancing of Topology-aware Peer-to-Peer Networks

Gang Wu, Jianli Liu

A Localized Algorithm for Minimum-Energy Broadcasting Problem in MANET

Chao Peng, Hong Shen

Multipath Traffic Allocation Based on Ant Optimization Algorithm with Reusing Abilities in MANET

Huiyao An, Xicheng Lu, Wei Peng

Routing Algorithm Using SkipNet and Small-World for Peer-to-Peer System

Xiaoqin Huang, Lin Chen, Linpeng Huang, Minglu Li

Smart Search over Desirable Topologies: Towards Scalable and Efficient P2P File Sharing

Xinli Huang, Yin Li, Wenju Zhang, Fanyuan Ma

A Scalable Version Control Layer in P2P File System

Xin Lin, Shanping Li, Wei Shi, Jie Teng

A Framework for Transactional Mobile Agent Execution
Jin Yang, Jiannong Cao, Weigang Wu, Chengzhong Xu

Session 6C: Resource Management

Session Chair: Erlin Yao (Institute of Computing Technology, Chinese Academy of Sciences, China)

Credit in the Grid Resource Management
Manfu Ma, Jian Wu, Shuyu Li, Dingjian Chen, Zhengguo Hu

Grid Resource Trade Network: Effective Resource Management Model in Grid Computing
Sung Ho Jang, Da Hye Park, Jong Sik Lee

Survivability Analysis of Grid Resource Management System Topology
Yang Qu, Chuang Lin, Yajuan Li, Zhiguang Shan

SATOR: A Scalable Resource Registration Mechanism Enabling Virtual Organizations of Enterprise Applications
Chen Liu, Fanke Cheng, Yanbo Han

Collaborating Semantic Link Network with Resource Space Model
Yunpeng Xing, Jie Liu, Xiaoping Sun, Erlin Yao

RSM and SLN: Transformation, Normalization and Cooperation
Erlin Yao, Yunpeng Xing, Jie Liu, Xiaoping Sun

Contingent Pricing for Resource Advance Reservation Under Capacity Constraints
Zhixing Huang, Yuhui Qiu

16:30~16:50	Coffee Break
16:50~17:50	Parallel Session:7A,7B,7C

Session 7A: Grid Middleware and Application

Session Chair: Qianni Deng (Shanghai Jiao Tong University, China)

A Parallel Collaborative Algorithm Based on Partial Duality in Interconnected Power Grids
Keyan Liu, Wanxing Sheng, Yunhua Li

Monitoring MPI Running Nodes Status for Load Balance
Qianni Deng, Xugang Wang, Dehua Zang

Scheduling and Executing Heterogeneous Task Graph in Grid Computing Environment
Weiguang Qiao, Guosun Zeng, An Hua, Fei Zhang

Agent Technology and Generic Workflow Management in an e-Science Environment

Zhiming Zhao, Adam Belloum, Peter Sloot, Bob Hertzberger

Session 7B: Performance Evaluation and Modeling

Session Chair: Depei Qian (Beihang University, China)

An Active Measurement Approach for Link Faults Monitoring in ISP Networks

Wenwei Li, Dafang Zhang, Jinmin Yang, Gaogang Xie

GT-Based Performance Improving for Resource Management of Computational Grid

Xiuchuan Wu, Lijie Sha, Dong Guo, Lanfang Lou, Liang Hu

The PARNEM: Using Network Emulation to Predict the Correctness and Performance of Applications

Yue Li, Depei Qian, Chunxiao Xing, Ying He

Session 7C: Knowledge Grid and Semantic Grid

Session Chair: Yunpeng Xing (Institute of Computing Technology, Chinese Academy of Sciences, China)

The Computation of Semantic Data Cube

Yubao Liu, Jian Yin

Knowledge Acquisition based on the Global Concept of Fuzzy Cognitive Maps

Xiangfeng Luo

Reliability-Latency Tradeoffs for Data Gathering in Random-access Wireless Sensor Networks

Haibo Zhang, Hong Shen

Using Fuzzy Cognitive Map to Effectively Classify EDocuments and Application

Jianzeng Wang, Yunpeng Xing, Peng Shi, Fei Guo, Zhen Wang, Erlin Ya, Kehua Yuan, Junsheng Zhang