INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING

2008 International Conference on Parallel Processing

September 8-12, 2008   Portland, Oregon

CONFERENCE AT A GLANCE

	MONDAY September 8 Workshops	TUESDAY September 9			WEDNESDAY September 10			THURSDAY September 11			FRIDAY September 12 Workshops
7:30 AM	Registration	Registration			Registration			Registration			Registration
8:00 AM											
8:30 AM	SRMPDS 2008 WiSAN 2008	Opening Remarks						Session 7A	Session 7B	Session 7C	P2S2 2008 NGWMN 2008
9:00 AM		Keynote Address			Keynote Address						
9:30 AM											
10:00 AM	Refreshments	Refreshments			Refreshments			Refreshments			Refreshments
10:30 AM	SRMPDS 2008	Session 1A	Session 1B	Session 1C	Session 4A	Session 4B	Session 4C	Panel Discussion			P2S2 2008 NGWMN 2008
11:00 AM											
11:30 AM											
12:00 PM	Lunch Noon - 1:30	Lunch Noon - 1:30			Lunch Noon - 1:30			Lunch Noon - 1:30			Lunch Noon - 1:30
12:30 PM											
1:00 PM											
1:30 PM	SRMPDS 2008	Session 2A	Session 2B	Session 2C	Session 5A	Session 5B	Session 5C	Session 8A	Session 8B	Session 8C	P2S2 2008 SMECS 2008
2:00 PM											
2:30 PM											
3:00 PM		Refreshments			Refreshments			Refreshments			Refreshments
3:30 PM		Session 3A	Session 3B	Session 3C	Session 6A	Session 6B	Session 6C	Session 9A	Session 9B	Session 9C	P2S2 2008 SMECS 2008
4:00 PM											
4:30 PM											
5:00 PM											
5:30 PM											
6:00 PM											
6:30 PM											
7:00 - 9:00 PM		Reception			Banquet						

TUESDAY, SEPT. 9

Opening Remarks
Room: Broadway, 8:30 – 9:00

Keynote Address
Room: Broadway, 9:00 – 10:00
Session Chair: Yuanyuan Yang
Bill Dally, Stanford University

10:00 – 10:30 Break

Session 1A: Communication and Data Dissemination in P2P Systems
Room: Forum, 10:30 – 12:00
Session Chair: Bin Xiao

- Towards Minimum Traffic Cost and Minimum Response Latency: A Novel Dynamic Query Protocol in Unstructured P2P Networks - Chen Tian, Hongbo Jiang, Xue Liu, Wenyu Liu, Yi Wang
- Flash Data Dissemination in Unstructured Peer-to-Peer Networks - Antonis Papadimitriou, Alex Delis
- Fast Source Switching for Gossip-Based Peer-to-Peer Streaming - Zhenhua Li, Jiannong Cao, Guihai Chen, Yan Liu

Session 1B: Multi-Core Systems
Room: Broadway, 10:30 – 12:00
Session Chair: Zhiling Lan

- TFlux: A Portable Platform for Data-Driven Multithreading on Commodity Multicore Systems - Kyriakos Stavrou, Marios Nicolaides, Demos Pavlou, Samer Arandi, Paraskevas Evripidou, Pedro Trancoso
- Enabling Streaming Remoting on Embedded Dual-Core Processors - Kun-Yuan Hsieh, Yen-Chih Liu, Po-Wen Wu, Shou-Wei Chang, Jenq-Kuen Lee
- Evaluating and Optimizing the Scalability of Multi-Core Sip Proxy Server - Jia Zou

Session 1C: Software Transactional Memory
Room: Council, 10:30 – 12:00
Session Chair: Claude Evequoz

- DiSTM: A Software Transactional Memory Framework for Clusters - Christos Kotselidis, Mohammad Ansari, Kim Jarvis, Mikel Lujan, Chris Kirkham, Ian Watson
- Implementing and Exploiting Inevitability in Software Transactional Memory - Michael Spear, Michael Silverman, Luke Dalessandro, Maged Michael, Michael Scott

- Scalable Techniques for Transparent Privatization in Software Transactional Memory - Virendra Marathe, Michael Spear, Michael Scott

Noon – 1:30pm Lunch Break

Session 2A: Parallel Applications
Room: Forum, 1:30 – 3:00
Session Chair: Vijay Saraswat

- Parallel Inferencing for OWL Knowledge Bases - Ramakrishna Soma, Viktor Prasanna
- Optimizing JPEG2000 Still Image Encoding on the Cell Broadband Engine - Seunghwa Kang, David Bader
- Bandwidth-Efficient Continuous Query Processing over DHTS - Yingwu Zhu

Session 2B: Job Scheduling
Room: Broadway, 1:30 – 3:00
Session Chair: Matthias Hovestadt

- Improving Priority Enforcement via Non-Work-Conserving Scheduling - Juan Carlos Sáez, José Ignacio Gómez, Manuel Prieto
- An Incentive-Compatible Mechanism for Scheduling Non-Malleable Parallel Jobs with Individual Deadlines - Thomas Carroll, Daniel Grosu
- Thermal Management for 3D Processors via Task Scheduling - Xiuyi Zhou, Yi Xu, Yu Du, Youtao Zhang, Jun Yang

Session 2C: Parallel Programming
Room: Council, 1:30 – 3:00
Session Chair: Nelson Amaral

- Scalable Dynamic Load Balancing Using UPC - Stephen Olivier, Jan Prins
- Thread-Sensitive Modulo Scheduling for Multicore Processors - Lin Gao, Quan Hoang Nyugen, Lian Li, Jingling Xue, Tin-Fook Ngai
- Mapping Algorithms for Multiprocessor Tasks on Multi-Core Clusters - Jörg Dümmler, Thomas Rauber, Gudula Rünger

3:00 – 3:30 Break

Session 3A: Fault Tolerance and Reliability
Room: Forum, 3:30 – 5:00
Session Chair: Thomas Rauber

- On Modeling Fault Tolerance of Gossip-Based Reliable Multicast Protocols - Xiaopeng Fan, Jiannong Cao, Weigang Wu, Michel Raynal

- Dynamic Meta-Learning for Failure Prediction in Large-Scale Systems: A Case Study - Jiexing Gu, Ziming Zheng, Zhiling Lan, John White, Eva Hocks, Byung-Hoon Park
- On the Reliability of Large-Scale Distributed Systems – A Topological View - Yuan He, Hao Ren, Yunhao Liu, Baijian Yang

Session 3B: Simultaneous Multithreading Architectures
Room: Broadway, 3:30 – 5:00
Session Chair: Guojing Cong

- MFLUSH: Handling Long-Latency Loads in SMT On-Chip Multiprocessors - Carmelo Acosta, Francisco J. Cazorla, Alex Ramirez, Mateo Valero
- Two-Level Reorder Buffers: Accelerating Memory-Bound Applications on SMT Architectures - Jason Loew and Dmitry Ponomarev
- Optimizing Issue Queue Reliability to Soft Errors on Simultaneous Multithreaded Architectures - Xin Fu, Wangyuan Zhang, Tao Li, Jose Fortes

Session 3C: Grid Computing
Room: Council, 3:30 – 5:00
Session Chair: Gudula Runger

- A List-Based Strategy for Optimal Replica Placement in Data Grid Systems - Yi-Fang Lin, Jan-Jan Wu, Pangfeng Liu
- Ocean-Atmosphere Modelization over the Grid Eddy Caron, Yves Caniou, Ghislain Charrier, Andréea Chis, Frédéric Desprez, Eric Maisonnave
- Optimized Workflow Orchestration of Parallel Database Aggregate Operations on a Heterogenous Grid - Werner Mach, Erich Schikuta

7:00 – 9:00 Reception
Room: Alexanders

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WEDNESDAY, SEPT. 10

Keynote Address
Room: Broadway, 9:00 – 10:00
Session Chair: Yuanyuan Yang

Jim Held, Intel

10:00 – 10:30 Break

Session 4A: Message Passing
Room: Forum, 10:30 – 12:00
Session Chair: Carl Tropper

- Designing an Efficient Kernel-Level and User-Level Hybrid Approach for MPI Intra-Node Communication on Multi-Core Systems - Lei Chai, Ping Lai, Hyun-Wook Jin, Dhabaleswar K. Panda
- Detecting Patterns in MPI Communication Traces - Robert Preissl, Thomas Koeckerbauer, Martin Schulz, Dieter Kranzlmueller, Bronis R. De Supinski, Daniel J. Quinlan
- VELO: A Novel Communication Engine for Ultra-Low Latency Message Transfers -Heiner Litz, Holger Froening, Mondrian Nuessle, Ulrich Bruening

Session 4B: Scheduling Algorithms
Room: Broadway, 10:30 – 12:00
Session Chair: Dmitry Korkin

- Realistic Models and Efficient Algorithms for Fault Tolerant Scheduling on Heterogeneous Platforms - Anne Benoit, Mourad Hakem, Yves Robert
- A Duplication Based Algorithm for Multi-Objective Scheduling of Streaming Workflows - Naga Vydyanathan, Umit Catalyurek, Tahsin Kurc, Ponnuswamy Sadayappan, Joel Saltz
- Scheduling CPU-Intensive Grid Applications Using Partial Information - Nélson Nóbrega-Júnior, Leonardo De Assis, Francisco Brasileiro

Session 4C: Optimization for Parallelization
Room: Council, 10:30 – 12:00
Session Chair: Sangyeun Cho

- Adaptive Software Speculation for Enhancing the Efficiency of Behavior-Oriented Parallelization - Yunlian Jiang dnd Xipeng Shen
- Application of Automatic Parallelization to Modern Challenges of Scientific Computing Industries - Brian Armstrong, Rudolf Eigenmann

- Achieving Multi-Level Parallelism in the Filter-Labeled Stream Programming Model - George Teodoro, Daniel Fireman, Dorgival Neto, Wagner Meira, Renato Ferreita

Noon – 1:30pm Lunch Break

Session 5A: Interconnects
Room: Forum, 1:30 – 3:30
Session Chair: Hao Yang

- Address Compression and Heterogeneous Interconnects for Reduced Energy Consumption in Tiled CMPS - Antonio Flores, Manuel E. Acacio, Juan L. Aragón
- Performance of HPC Middleware over Infiniband WAN - Sundeep Narravula, Hari Subramoni, Ping Lai, Ranjit Noronha, Dhabaleswar K. Panda
- Network Reconfiguration Suitability for Scientific Applications - Hector Montaner, Federico Silla, Vicente Santonja, Jose Duato

Session 5B: Cluster Computing
Room: Broadway, 1:30 – 3:30
Session Chair: Weikuan Yu

- Optimization of All-To-All Communication on the Blue Gene/L Supercomputer - Sameer Kumar, Yogish Sabharwal, Rahul Garg, Philip Heidelberger
- A Performance Counter Based Workload Characterization on Bluegene/P - Karthik Ganesan, Lizy John, Valentina Salapura, James Sexton
- Tracking Nanostructural Evolution in Alloys: Large-Scale Analysis of Atom Probe Tomography Data on Blue Gene/L - Sudip Seal, Michael Moody, Anna Ceguerra, Simon Ringer, Krishna Rajan, Srinivas Aluru

Session 5C: Parallel Algorithms
Room: Council, 1:30 – 3:30
Session Chair: Shietung Peng

- Parallel Construction of Bidirected String Graphs for Genome Assembly - Benjamin G. Jackson, Srinivas Aluru
- An Efficient Parallel Algorithm for the Multiple Longest Common Subsequence (MLCS) Problem - Dmitry Korkin, Qingguo Wang, Yi Shang
- XMT-GPU: A PRAM Architecture for Graphics Computation - Thomas Dubois, Bryant Lee, Yi Wang, Marc Olano, Uzi Vishkin

3:30 – 4:00 Break

Session 6A: Network Algorithms
Room: Forum, 4:00 – 5:30
Session Chair: Srinivas Aluru

- A Distributed Context-Free Language Constrained Shortest Path Algorithm - Charles B. Ward, Nathan M. Wiegand, Phillip G. Bradford
- On Clustering Tasks in IC-Optimal Dags - Mark Sims, Gennaro Cordasco, Arnold Rosenberg
- Prefix Computation and Sorting in Dual-Cube - Yamin Li, Shietung Peng, Wanming Chu

Session 6B: OS/Resource Management
Room: Broadway, 4:00 – 6:00
Session Chair: Justin Teller

- Non-Blocking Concurrent FIFO Queues with Single Word Synchronization Primitives - Claude Evéquoz
- Memory Access Scheduling Schemes for Systems with Multi-Core Processors - Hongzhong Zheng, Jiang Lin, Zhao Zhang, Zhichun Zhu
- Resource Allocation for Distributed Streaming Applications - Qian Zhu, Gagan Agrawal
- Exploring Parallel I/O Concurrency with Pre-Execution Prefetching -Yong Chen, Surendra Byna, Xian-He Sun, Rajeev Thakur, William Gropp

Session 6C: Parallel Simulations
Room: Council, 4:00 – 5:30
Session Chair: Rahul Garg

- A Scalable Architecture for Crowd Simulation: Implementing a Parallel Action Server - Guillermo Vigueras, Miguel Lozano, Carlos Perez, Juan Manuel Orduña
- A Multiway Partitioning Algorithm for Parallel Gate Level Simulation - Lijun Li, Carl Tropper
- TPTS: A Novel Framework for Very Fast Manycore Processor Architecture Simulation - Sangyeun Cho, Socrates Demetriades, Shayne Evans, Lei Jin, Hyunjin Lee, Kiyeon Lee, Michael Moeng

7:00 – 9:00 Banquet
Room: Broadway

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THURSDAY, SEPT. 11

Session 7A: Network Resource Management
Room: Forum, 8:30 – 10:00
Session Chair: Yifeng Zhu

- A Replication Overlay Assisted Resource Discovery Service for Federated Systems - Hao Yang, Fan Ye, Zhen Liu
- IMCa: A High Performance Caching Front-End for Glusterfs on Infiniband - Ranjit Noronha, Dhabaleswar K. Panda
- Location Dependent Cooperative Caching in MANET - Yilin Wang, Edward Chan, Wenzhong Li, Sanglu Lu

Session 7B: Architecture
Room, Broadway, 8:30 – 10:00
Session Chair: Jun Wang

- Accommodation of the Bandwidth of Large Cache Blocks Using Cache/Memory Link Compression - Martin Thuresson, Per Stenstrom
- Taming Single-Thread Program Performance on Many, Distributed On-Chip L2 Caches -Lei Jin, Sangyeun Cho
- Machine Learning Models to Predict Performance of Computer System Design Alternatives - Berkin Ozisikyilmaz, Gokhan Memik, Alok Choudhary

Session 7C: Numerical Parallel Algorithms
Room: Council, 8:30 – 10:00
Session Chair: Sudip Seal

- Challenges and Advances in Parallel Sparse Matrix-Matrix Multiplication - Aydin Buluc, John Gilbert
- Improving the Performance of Multithreaded Sparse Matrix-Vector Multiplication Using Index and Value Compression - Kornilios Kourtis, Georgios Goumas, Nectarios Koziris
- On the Design of Fast Pseudo-Random Number Generators for the Cell Broadband Engine and an Application to Risk Analysis - David Bader, Aparna Chandramowlishwaran, Virat Agarwal

10:00 – 10:30 Break

Panel Discussion
Parallel Processing is Back – Can We Deliver?
Room: Broadway, 10:30-12:00
Session Chair: Rudolf Eigenmann

Noon – 1:30pm Lunch Break

Session 8A: Algorithms
Room: Forum, 1:30 – 2:30
Session Chair: Mourad Hakem

- Cellular ANTomata: Food-Finding and Maze-Threading -Arnold Rosenberg
- Solving Irregular Graph Problems Using Adaptive Work-Stealing - Guojing Cong, Sreedhar Kodali, Sriram Krishnamoorty, Doug Lea, Vijay Saraswat, Tong Wen

Session 8B: File Systems and I/O
Room: Broadway, 1:30 – 3:00
Session Chair: Gagan Agrawal

- Impacts of Indirect Blocks on Buffer Cache Energy Efficiency - Jianhui Yue, Yifeng Zhu, Zhao Cai
- Bridging the Gap between Parallel File Systems and Local File Systems: A Case Study with PVFS - Peng Gu, Jun Wang, Robert Ross
- ParColl: Partitioned Collective IO on the Cray XT -Weikuan Yu, Jeffrey Vetter

Session 8C: Software Tools
Room: Council, 1:30 – 3:00
Session Chair: Rudolf Eigenmann

- The MAP3S Static-and-Regular Mesh Simulation and Wavefront Parallel-Programming Patterns - Robert Niewiadomski, Nelson Amaral, Duane Szafron
- Overcoming Scalability Challenges for Tool Daemon Launching -Dong Ahn, Dorian Arnold, Bronis De Supinski, Gregory Lee, Barton Miller, Martin Schulz
- Scioto: A Framework for Global-View Task Parallelism -James Dinan, Sriram Krishnamoorthy, D. Brian Larkins, Jarek Nieplocha, P. Sadayappan

3:00 – 3:30 Break

Session 9A: Routing
Room: Forum, 3:30 – 5:00
Session Chair: Leonard Barolli

- On the Potentials of Segment-Based Routing for NoCs - Andres Mejia, Jose Flich, Jose Duato
- Utility-Based Distributed Routing in Intermittently Connected Networks - Haiying Shen, Ze Li
- Deadlock-Free Fully Adaptive Routing in Tori Based on a New Virtual Network Partitioning Scheme - Dong Xiang, Qi Wang, Yi Pan

Session 9B: Parallel Computing
Room: Broadway, 3:30 – 5:00
Session Chair: Xingfu Wu

- On-the-Fly Recovery of Job Input Data in Supercomputers -Chao Wang, Zhe Zhang, Sudharshan S. Vazhkudai, Xiaosong Ma, Frank Mueller
- Parallelization and Characterization of Probabilistic Latent Semantic Analysis - Chuntao Hong, Jiulong Shan, Wenguang Chen, Yurong Chen, Weimin Zheng, Yimin Zhang
- Maotai: View-Oriented Parallel Programming on CMT Processors -Jiaqi Zhang, Zhiyi Huang, Wenguang Chen, Qihang Huang, Weimin Zheng

Session 9C: Search and Security in P2P Systems
Room: Council, 3:30 – 5:00
Session Chair: Makoto Takizawa

- Bounded LSH for Similarity Search in Peer-to-Peer File Systems -Yu Hua, Bin Xiao, Dan Feng and Bo Yu
- The Content Pollution in Peer-to-Peer Live Streaming Systems: Analysis and Implications - Sirui Yang, Hai Jin, Bo Li, Xiaofei Liao, Hong Yao and Xuping Tu
- GeWave: Geographically-Aware Wave for File Consistency Maintenance in P2P Systems -Haiying Shen

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Fourth International Workshop on Scheduling and Resource Management for Parallel and Distributed Systems

MONDAY, SEPT. 8

Resource Scheduling
Room: Council, 8:30 - 10:00

- A Planner-Guided Scheduling Strategy for Multiple Workflow Applications - Zhifeng Yu, Weisong Shi
- Hierarchical Scheduling Approach for Real Time Tasks - Farooq Muhammad, Fabrice Muller, Michel Auguin
- Scheduling Task Graphs on Heterogeneous Multiprocessors with Reconfigurable Hardware - Justin Teller, Fusun Ozguner, Robert Ewing
- Utilizing Multi-Networks Task Scheduler for Streaming Applications - Kazumi Yoshinaga, Yoshiyuki Uratani, Hiroshi Koide

Resource Allocation
Room: Council, 10:30 - 12:00

- Iceberg: An Image Streamer for Space and Time Efficient Provisioning of Virtual Machines - Lei Shi, Mohammad Banikazemi, Qingbo Wang
- Load Balancing and Efficient Memory Usage for Homogeneous Distributed Real-Time Embedded Systems - Omar Kermia, Yves Sorel
- Collaborative Load Balancing Scheme for Improving Search Performance of unstructured P2P networks - Sabu M. Thampi, Chandra Sekaran K

Session 3: Resource Management
Room: Council, 1:30 pm - 3:00 pm

- Implementation of Virtual Execution Environments for improving SLA-compliant Job Migration in Grids - Dominic Battre, Matthias Hovestadt, Odej Kao, Axel Keller, Kerstin Voss
- A Fault Tolerance Scheme for Hierarchical Dynamic Schedulers in Grids - Nitin B. Gorde, Sanjeev K. Aggarwal
- Understanding Locality-awareness in Peer-to-Peer Systems - Xiongfei Weng, Hongliang Yu, Guangyu Shi, Jian Chen, Xu Wang, Jing Sun, Weimin Zheng

International Workshop on Wireless Sensor and Ad Hoc Networks (WiSAN 2008)

MONDAY, SEPT. 8

Session 1
Room: Forum, 8:30-10:00

- Performance Evaluation of an Energy-Aware Clustering Protocol for Wireless Sensor Networks - Anahit Martirosyan, Azzedine Boukerche
- A Novel Mobility Management Scheme for IEEE 802.11-based Wireless Mesh Networks - Zhenxia Zhang, Azzedine Boukerche
- Scalable Energy-Aware Dynamic Task Allocation - Ali Bokar, Muslim Bozyigit, and Cevat Sener

International Workshop on Parallel Programming Models and Systems Software for High-End Computing (P2S2)

FRIDAY, SEPT. 12

Opening Remarks
Room: Broadway II, 8:30-8:45

Programming Models and Tools for Large Scale Systems
Room: Broadway II, 8:45-9:45

- Simulating Failures on Large-Scale Systems - Narayan Desai, Daniel Buettner, Andrew Cherry, Ewing Lusk, Theron Voran
- Evaluation of Remote Memory Access and Global Arrays Programming Model on the Blue Gene/P Supercomputer - Manojkumar Krishnan, Jarek Nieplocha, Brian Smith, Michael Blocksome

Panel: Are we Ready to go Beyond Petascale?
Room: Broadway II, 10:30 – 12:00

Communication Software and I/O
Room: Broadway II, 1:30 - 3:00

- An Analysis of QoS Provisioning for Sockets Direct Protocol vs IPoIB over Modern InfiniBand Networks - Ryan E. Grant, Mohammad J. Rashti, Ahmad Afsahi
- TCP/IP Performance Near I/O Bus Bandwidth on Multi-Core Systems: 10-Gigabit Ethernet vs. Multi-Port Gigabit Ethernet - Hyun-Wook Jin, Yeon-Ji Yun, Hye-Churn Jang
- Non-Contiguous I/O Support for Object-Based Storage - Dennis Dalessandro, Ananth Devulapalli, Pete Wyckoff

Compiler-directed Optimization Techniques
Room: Broadway II, 3:30 – 4:30

- OpenMPD: a Directive-based Data Parallel Language Extension for Distributed Memory Systems - Jinpil Lee, Mitsuhisa Sato, Taisuke Boku
- Disparity: Scalable Anomaly Detection for Clusters - Narayan Desai, Rick Bradshaw, Ewing Lusk

First International Workshop on Next Generation of Wireless and Mobile Networks (NGWMN-08)

FRIDAY, SEPT. 12

Modeling, Scheduling, and Network Performance
Room: Broadway III, 8:30 - 10:00

- Energy Modeling of Processors in Wireless Sensor Networks based on Petri Nets - Ali Shareef, Yifeng Zhu
- A Fuzzy-based Handover System for Avoiding Ping-Pong Effect in Wireless Cellular Networks - Leonard Barolli, Fatos Xhafa, Arjan Durresi, Akio Koyama
- Neighbor-Aware Clusterhead with Different Sleep Scheduling Protocols - Tarek Sheltami, Elhadi Shakshuki
- Effects of Push-To-Talk (PTT) delays on Throughput Performance of CSMA/CA-based Distributed Digital Radios (DDR) for Land Mobile Radio (LMR) Networks - Abhijit C. Navalekar, Jitish S. Kolanjery, William R. Michalson

Mobile Network Security, Data Transmission, and B3G Networks
Room: Broadway III, 10:30 - 12:00

- A Redundant Data Transmission Protocol for a Wireless Sensor Network - Ailixier Aikebaier, Tomoya Enokido, and Makoto Takizawa
- A Novel Dual-Mode User Equipment Design and Enhanced Gateway Selection Algorithm for B3G Networks - Abdul-Aziz Al-Helali Ashraf Mahmoud Talal Al-Kharobi Tarek Sheltami
- Security of Mobile and Heterogeneous Wireless Networks in Battlefields - Arjan Durresi, Mimoza Durresi, Leonard Barolli

First International Workshop on Simulation and Modelling in Emergent Computational Systems

FRIDAY, SEPT. 12

Simulation and Modelling Distributed Systems
Room: Broadway III, 1:30 – 3:00

- Optimization of Download Times in a Distributed VOD System - A.-E. Baert, V. Boudet, A. Jean-Marie, X. Roche
- A Simulation Framework for Dependable Distributed Systems - Ciprian Dobre, Florin Pop, Valentin Cristea
- Performance Analysis and Optimization of Para*llel Scientific Applications on* CMP Cluster Systems - Xingfu Wu, Valerie Taylor, Charles Lively, Sameh Sharkawi
- Randomized Hydrodynamic Load Balancing Approach - Onur Destano*lu,* F. Erdoan Sevilgen

Simulation and Performance Evaluation in P2P and Parallel Computing Systems
Room: Broadway III, 3:30 – 5:00

- Interconnected Traffic with Real Mobility Tool for Ad Hoc Networks - Arta Doci
- Replay-based Aynchronization of Time-stamps in Event Traces of Massively Parallel Applications - Daniel Becker, John C. Linford, Rolf Rabenseifner, Felix Wolf
- A Backward Strategy in a Peer-to-Peer Agreement Protocol - Ailixier Aikebaier, Valbona Barolli, Tomoya Enokido, Makoto Takizawa
- Automatic Performance Model Transformation from UML to C++ - Sabri Pllana, Siegfried Benkner, Fatos Xhafa and Leonard Barolli.