2008 e Science

4th IEEE International Conference on e-Science

Sunday, December 7

7:30-5:00		IEEE Registration Opens	Hotel Lobby
7:30		Continental Breakfast & Break Service (ongoing)	Conference Center Lobby
8:00-5:00	Tutorial	Science Gateways as a Way to Support e-Science and Virtual Organizations via the TeraGrid	216
8:00-12:00	Tutorial	Market-Oriented Grid Computing and the Gridbus Middleware: Building and Managing Utility Grids for e-Science and e-Business Applications	232
11:30-1:30		LUNCH (Continuous Buffet)	Conference Center 2nd Floor Lobby
1:00-5:00	Tutorial	Overview of Biocep, a Federative, Collaborative, User-Centric, Cloud-Ready, and Grid-Enabled Computational Open Platform	232

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Monday, December 8

Time	Type	Session	Location
7:30 - 5:00		IEEE Registration Opens	Slate Foyer
7:30		Continental Breakfast & Break Service (ongoing)	Conference Center Lobby
8:00-12:00	Tutorial	Streamlining Data Exploration and Visualization through Scientific Workflows and Provenance	236
9:15-12:00 (continued in afternoon)	Workshop	Riding the Geoscience Cyberinfrastructure Wave of Data: Real Time Data Use in Education	IUPUI Library Room 1130
1:00-4:00	Workshop	Riding the Geoscience Cyberinfrastructure Wave of Data: Real Time Data Use in Education (continued)	IUPUI Library Room 1130
1:00-5:00	Workshop	Project Management and User Engagement	232
11:30-1:30		LUNCH (Continuous Buffet)	Bistro

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Tuesday, December 9

Time	Type	Event	Location
7:30-6:00		IEEE Registration Opens	Slate Foyer
7:30		Continental Breakfast & Break Service (ongoing)	Conference Center Lobby
8:00-5:00	Workshop	Introduction to Computational Science Resources and Tools	216
8:00-12:00	Workshop	International Grid Interoperability and Interoperation Workshop 2008 (IGIIW 2008)	232
8:00-12:45	Workshop	PRAGMA Workshop on e-Science Highlights	236
11:30-1:30		LUNCH (Continuous Buffet)	Bistro
1:00-5:00	Tutorial	Pegasus Workflow Management System	232
6:00-8:30	Special Event	Unconference	Conrad Hotel Ballroom

Wednesday, December 10

Time	Type	Session	Room
7:30 -6:00		Registration Opens	Slate Foyer
7:30		Continental Breakfast & Break Service (Ongoing)	Conference Center Lobby
7:30-5:00		Laptop Charging Station and Lounge	102
9:00-10:00	Keynote	**Rich Wolski** Building Science Clouds using Commodity, Open-Source Software Components	Auditorium
10:00-12:30 (ctn'd in afternoon)	Workshop	e-Humanities—An Emerging Discipline	Auditorium
10:00-12:00 (ctn'd in afternoon)	Workshop	SWBES08: Challenging Issues in Workflow Applications	232
10:00-10:30	Track 1	Meandre: Semantic-Driven Data-Intensive Flows in the Clouds	208
10:00-10:30	Track 2	Towards an Acoustic Environment Observatory	206
10:45-11:15	Track 1	Scalable Semantics—the Silver Lining of Cloud Computing	208
10:45-11:15	Track 2	Distributed Replica-Exchange Simulations on Production Environments Using SAGA and Migol	206
11:30-12:00	Track 1	Reducing Time-to-Solution Using Distributed High-Throughput Mega-Workflows	208
11:30-12:00	Track 2	Bio VLAB- Microarray: Microarray Data Analysis in Virtual Environment	206
11:30-1:30		LUNCH (Continuous Buffet)	Bistro
1:00-5:00	Workshop	SWBES08: Challenging Issues in Workflow Applications (continued)	232
1:30-2:00	Track 1	Detecting Communities in Science Blogs	208
1:30-2:00	Track 2	Lowering the Barriers to Cancer Imaging	206
1:30-6:00	Workshop	e-Humanities—An Emerging Discipline (continued)	Auditorium
2:15-2:45	Track 1	myExperiment: Defining the Social Virtual Research Environment	208
2:15-2:45	Track 2	Soundness and Niceness at Correctness Criteria for Grid Workflows	206
2:45-3:15		Break	208
3:15-3:45	Track 1	Classification of Different Approaches for e-Science Applications	208
3:15-3:45	Track 2	Grid-Enabled Instrument Representation and Reservation	206
4:00-4:30	Track 1	QoS-Based Web Service Composition Accommodating Inter-Service Dependencies Using Minimal-Conflict Hill-Climbing Repair Genetic Algorithm	208
4:00-4:30	Track 2	Experiences from Cyberinfrastructure Development for Multi-User Remote Instrumentation	206
6:00-8:00	Poster Session	Evening Poster Reception	Exhibition Hall (Food Court)

Thursday, December 11

Time	Type	Title	Location
7:30-6:00		Registration Opens	Slate Foyer
7:30		Continental Breakfast & Break Service (ongoing)	Conference Center Lobby
7:30-5:00		Laptop Charging Station and Lounge	102
9:00-10:00	Keynote	**Daniel A. Reed** Cloud Seeding: Watering Research Flowers	Auditorium
10:00-11:30	Panel Discussion	Cloud Computing Panel Discussion	Auditorium
10:00-11:30 (Continued in afternoon)	Workshop	Innovative and Collaborative Problem Solving Environments (PSE) in Distributed Resources: PSE Workshop08	236
10:00-5:00	Workshop	Abstractions for Distributed Applications and Systems	232
10:00-10:30	Track 1	End-to-End Science: Integrating Workflow, Query, Visualization, and Provenance at an Ocen Observatory	208
10:00-10:30	Track 2	A Distributed Algorithm for Determining the Provenance of Data	206
10:45-11:15	Track 1	Service Oriented Utility Grid for 3-Dimensional Topographic Visualization from Satellite Images *CANCELED*	208
10:45-11:15	Track 2	An Extensible, Scalable Architecture for Managing Bioinformatics Data and Analysis	206
11:30-12:00	Track 1	A Web Services Architecture for Visualization	208
11:30-12:00	Track 2	ARCHER—An Enabler of Research Data Management	206
11:30-1:30		LUNCH (Continuous Buffet)	Bistro
1:00-5:00	Workshop	Advances in High-Performance E-Science Middleware and Applications	Auditorium
1:30-2:00	Track 1	Contextualization: Provising One-click Virtual Clusters	208
1:30-2:00	Track 2	Secure, Performance-Oriented Data Management for nonCMOS Electronics	206
1:30-3:30	Workshop	Innovative and Collaborative Problem Solving Environments (PSE) in Distributed Resources: PSE Workshop08 (Continued)	236
2:15-2:45	Track 1	Characterizing User-level Network Virtualization: Performance, Overheads and Limits	208
2:15-2:45	Track 2	Sensor Metadata Management and its Application in Collaborative Environmental Research	206
2:45-3:15	Main	Break	208
3:15-3:45	Track 1	SLA-Driven Semantically-Enhanced Dynamic Resource Allocator for Virtualized Service Providers	208
3:15-3:45	Track 2	A Library for Asynchronous Concurrent Service Orchestration	206
4:00-4:30	Track 1	CloudBLAST: Combining MapReduce and Virtualization on Distributed Resources for Bioinformatics Applications	208
4:00-4:30	Track 2	The Grid Browser: Improving Usability in Service-Oriented Grids by Automatically Generating Clients and Handling Data Transfers	206
6:00-8:00	Banquet	Conference Awards Banquet	Conference Center Ballroom

Friday, December 12

Time	Type	Title	Room
7:30 - 1:00		Registration Opens	Slate Foyer
7:30		Continental Breakfast & Break Service (ongoing)	Conference Center Lobby
7:30-5:00		Laptop Charging Station and Lounge	102
8:30-9:30	Keynote	**Alexander Szalay** Science in the Cloud	Auditorium
9:30-12:00 (continued in afternoon)	Work-shop	Adding Value to Data—Digital Repositories in the e-Science World	Auditorium
9:30-11:30	Work-shop	eScience for cheminformatics and drug discovery	236
9:30-12:00 (continued in afternoon)	Work-shop	eBioinformatics	232
9:30-10:00	Track 1	Re-Thinking Grid Security Architecture	208
9:30-10:00	Track 2	Estimating Resource Needs for Time-Con-strained Workflows	206
10:15-10:45	Track 1	MapReduce for Data Intensive Scientific Analyses	208
10:15-10:45	Track 2	Forecasting Duration Intervals of Scientific Workflow Activities	206
11:00-11:30	Track 1	MRPGA: An Extension of MapReduce for Parallelizing Genetic Algorithms	208
11:00-11:30	Track 2	Provenance in Dynamically Adjusted and Partitioned Workflows	206
11:30-1:30		Lunch (Continuous Buffet)	Bistro
1:00-2:00	Keynote	Afternoon Keynote: Edward Seidel	Auditorium
2:00-2:30	Track 1	SWARM: Scheduling Large-Scale Jobs Over the Loosely-Coupled HPC Clusters	208
2:00-2:30	Track 2	WOOL: A Workflow Programming Language	206
2:00 - 5:00	Work-shop	Adding Value to Data—Digital Repositories in the e-Science World (Continued)	Auditorium
2:00-3:30	Work-shop	eBioinformatics (Continued)	232
2:45-3:15	Track 1	The Rails Toolkit - Enabling End-System Topology-Aware High End Computing	208
2:45-3:15	Track 2	VO-enabled Service Harmonization in the GEO Grid	206
3:30-4:00	Track 1	Parallel Processing of Large-Scale XML-Based Application Documents on Multi-core Architectures with PiXiMaL	208
3:30-4:00	Track 2	User Friendly Management of Workflow Results: From Provenance Information to Grid Logical File Names	206