

SUPERCOMPUTING 2006
Tampa, FL
November 12 – 17, 2006

Sunday, November 12th

8:30 – 5:00 Tutorial

Introduction to Scientific Workflow Management and the Kepler System	Ilkay Altintas, Bertram Ludaescher, Scott Klasky, Mladen A. Vouk	Conf Room 19
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Tuesday, November 14th

10:30 – 12:00

Session One: From Data to Discovery

SDSC Data Leadership Programs	Fran Berman	SDSC Booth
TBN	Tony Hey, Microsoft	SDSC Booth
SDSC Data Central	Anke Kamrath	SDSC Booth
SDSC Data Infrastructure	Phil Andrews	SDSC Booth
SDSC Data Software	Ken Nunes	SDSC Booth
Data & Disaster	Anke Kamrath	SDSC Booth
Discover Data, Education Portal	Jeff Sale	SDSC Booth

2:00 – 3:00

Session Two: Everything you wanted to Know About Observing Systems

Observing Systems	Tony Fountain	SDSC Booth
An End to End Scientific Workflow Approach to the Earth Observing Scientific Process	Ilkay Altintas	SDSC Booth
Observatories Using Storage Resource Broker shared collections	Reagan Moore	SDSC Booth

3:00 – 4:00

Session Three: Getting to Know the TeraGrid

TeraGrid	Charlie Catlett, ANL	SDSC Booth
Science Gateways	Nancy Wilkins-Diehr	SDSC Booth
INCA	Jim Hayes	SDSC Booth

5:15 – 7:15 Poster Session

High Resolution, High Throughput Protein Structure Prediction using IBM Blue Gene Supercomputers: Predicting CASP Targets in Record Time	Ross Walker, Srivatsan Raman, David Baker	Ballroom Corridor
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5:30 – 7:30 – BOF's

The Pathway to Petascale Science	Fran Berman, Thom Dunning, John Boisseau	Conf Room 24-25
Science Gateway, Portal and Other Community Interfaces to High End Resources	Nancy Wilkins-Diehr, Thomas Soddemann	Conf Room 22-23

Wednesday, November 15th

10:30 – 11:30

Session Four: Petascale Science – Scaling to 10,000+ Processors

SDSC SAC Program – Scaling Applications to Enable New Science	Amit Majumdar	SDSC Booth
HPC for Protein Structure Prediction	Ross Walker	SDSC Booth
The Earthquake Computation: Moving from TeraShake to PetaShake	Yifeng Cui	SDSC Booth
Petascale Performance Modeling	Allan Snively	SDSC Booth
Examples of Challenges in Scaling Application to the PetaScale	Nicholas Wright	SDSC Booth

1:00 – 2:00

Session Five: VGrADS

VGrADS	Ken Kennedy, Lavanya Ramakrishnan	SDSC Booth
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2:30 – 3:30

Session Six: The Cyberinfrastructure Partnership

GEON	Karan Bhatia	SDSC Booth
CIPRES	Mark Miller	SDSC Booth
NEON	Forest Hoffman, ORNL	SDSC Booth
Education and Cyberinfrastructure	Diane Baxter	SDSC Booth

AHE	Peter Conveney, Stefan Zasada, Kashif Sadiq, University College London	SDSC Booth
NEES Cyberinfrastructure	DJ Choi	SDSC Booth

5:30 – 7:30 BOF

Evaluating Petascale Infrastructure Systems: Benchmarks, Models, and Applications	Allan Snaveley, Robert Fowler, Daniel Reed	Conf Room 17
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Thursday, November 16th

10:30 – 12:30

Session Seven: “How to” @ SDSC

Synthesis Center	Linda Ferri	SDSC Booth
Data Central	Reagan Moore	SDSC Booth
How to Make Use of High End Resources @ SDSC	Nancy Wilkins-Diehr	SDSC Booth
Using the GEMSTONE* Client Interface to Solve Computational Chemistry Problems	Jerry Greenberg	SDSC Booth
A Services Oriented Architecture (SOA) for Scientific Applications Using the Opal Toolkit	Sriram Krishnan	SDSC Booth

12:15 – 1:15 BOF

Is 99% Utilization of a Supercomputer a Good Thing?	Allan Snaveley, Jeremy Kepner	Conf Room 18-19
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3:30 – 5:00 Panel

Data Intensive Computing	Leslie S. Perkins, Phil Andrews, Dhabaleswar Panda, Dave Morton, Ron Bonica, Nick Werstiuk, Randy Kreiser	Conf Room 24-25
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Friday, November 17th

10:30 – 12:00 Panel

100 Years of Digital Data	Fran Berman, Robert Chadduck, William Lefurgy, Chris Greer, Tony Hey	Conf Room 24-25
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