OptIPuter @SC06

A Powerful Distributed Cyberinfrastructure to Support Data-Intensive Scientific Research and Collaboration

www.optiputer.net

The OptIPuter receives major funding from the National Science Foundation, cooperative agreement OCI-0225642 to UCSD.
Exhibition: Academic Partners

APPLE COMPUTER      BOOTH #1951
OptIPuter Technologies Enable Genomic and Oceanographic Research
(presentation)  • Larry Smart, UCSD Calit2
Global Lambda Visualization Facility and SAGE Visualizing
(presentation)  • Jason Leigh, UIC EVL <spiff@uic.edu>
TransLight and GLIF (presentation)  • Maxine Brown, UIC EVL <maxine@uic.edu>
NORTHEL
International Dynamic Optical Multicast
NUCAIR  • Nortel • Louisana State University • Masaryk University (Czech Republic)
Louisiana Optical Network Initiative (LONI) • CENet • MCNC • SURFnet • CA*net 4 •
StarLight • National LambdaRail • Atlantic Wave • Contact: Joe Mambretti <jmambretti@nortel.com>

AST
G-lambda Project: Inter-Domain Advance Reservation of Bandwidth and Computing Resources
AST (National Institute of Advanced Industrial Science and Technology), Grid Technology
Research Center (GTRC)  • Contact: Tomohiro Kudoh
GEO Grid: Motivations and Opportunities for Earth Observation Grids
(presentation)  • Demonstration in the NBCR-Osaka booths #439-443
AGTCR  • Contact: Ryosuke Nakamura <nakamura@ast.go.jp>

DUTCHEH RESEARCH CONSORTIUM
Visualizing a 50-Terabyte Climate Study using the OptIPuter
SARA High Performance Networking & Insight Services Group • University of Utrecht
• Contact: Paul Wielinga <p.wielinga@uva.nl>
Token-based GMLPS: Path Authorization and Resource Management by extending RSVP-TE with Tokens
Universiteit van Amsterdam (UvA), Advanced Internet Research Group • UvA System
and Network Engineering Research (SNER) Group • Contact: Cees de Laat
<cees.de.lat@science.uva.nl>
Using the RDF-based Network Description Language to Describe Network Resources in the GLIF for Pathfinding
UvA SNER  • SARA • Contact: Cees de Laat <cees.de.lat@science.uva.nl>
StarPlane: Enable Applications to Dynamically Manage and Control Photonic Networks
UvA SNER  • Vrije Universiteit Amsterdam • Contact: Cees de Laat
<cees.de.lat@science.uva.nl>

IBM
Participatory Design Studio
Communications Research Centre Canada (CRC) • Carleton University Interactive Multimedia
Studio (CIMS), Canada • National Research Council (NRC) of Canada •
Contact: Michel Savoie <michel.savoie@crc.ca>
UCLP Graphical User Interface
CRC  • CIMS  • NRC  • Contact: Michel Savoie <michel.savoie@crc.ca>
KISTI
Streaming HDTV
KISTI (Korea Institute of Science and Technology Information) Supercomputing Center •
Contact: Min-jae Lee <lee@kisti.re.kr>

NATIONAL LAMBDARAIL
Uncompressed Real-Time High-Definition Streaming
NASA GSFC  • DRAGON Project (Mid-Atlantic Crossroads, USC Information Sciences Institute
East, George Mason University)  • with SC06 Xnet, ADVA Networks, Internet2, and NICT/Osaka University
• Contact: Pat Gary <Pat.Gary@nasa.gov>

NORTEL
NBCR/UCSD/Osaka University  • Booth #439-443
UCSD National Biomedical Computation Resource (NBCR) and the CyberMedia Center
at Osaka University, Japan, showcasing PRAGMA and NIH NRCC demonstrations.

GEOD Grid: Global Earth Observation Grid
AIST GTCR  • Contact: Naotaka Yamamoto <naotaka@ni.aist.go.jp>

Beyond Networks: Integrated Collaborative Cyberinfrastructure
UCSD NCMIR  • Contact: Rajivkumar Singh <raj@ncmir.ucsd.edu>

The NCMIR Multiscale Imaging Portal
UCSD NCMIR  • Contact: Rajivkumar Singh <raj@ncmir.ucsd.edu>

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Beyond Networks: Integrated Collaborative Cyberinfrastructure
UCSD NCMIR  • Contact: Rajivkumar Singh <raj@ncmir.ucsd.edu>

UCS D Supercomputer Center (SDSC) • UCSD Calit2 • Contact: Phil Papadopoulos <phil@sdsc.edu>

Gulf Coast Academic Supercomputing
Gulf Coast Academic Supercomputing is an alliance of Rice University, Texas A&M University (TAMU), and University of Houston

Prophesy (poster)
Texas A&M University (TAMU)  • Contact: Xingfu Wu <wuxf@cs.tamu.edu>

Processor Partitioning-based Performance Analysis and Optimization Framework (poster)
TAMU  • Contact: Xingfu Wu <wuxf@cs.tamu.edu>

Performance Analysis, Modeling and Prediction of a Parallel Lattice Boltzmann Application Using Prophesy (poster)
TAMU  • Contact: Xingfu Wu <wuxf@cs.tamu.edu>

Data Mining
National Center for Data Mining
Booth #1428
Transporting Sloan Digital Sky Survey (SDSS) Data using SECTOR
UCI National Center for Data Mining (NCDM) • Northwestern University (NU)
International Center for Advanced Internet Research (CAIR) • John Hopkins University
• JGNN  • KISTIGLOIRAD  • SARA  • SURFnet  • StarLight  • NASA Goddard Space Flight Center (GSC) • Caltech • Contact: Robert Grossman
<rgrossman@uci.edu>

BOF @ SC06
Check SC06 conference schedule and individual booth schedules for presentation times.