



Cyberinfrastructure Update

- Highlights and Introductions – Heidi Alvarez, FIU
 - ✓ Grid installation update for FIU
 - ✓ FIU CSC participation for Chi Zhang
 - ✓ Internships
- US Brazil Networking – Julio Ibarra, FIU
- International Update with Brazil – Sergio Novaes, UNESP
- Network Monitoring – Xun Su, Caltech
- Grid Coordination and Educational Outreach – Paul Avery, UF





Cyber Highlights

- 22 Node Cluster at the NAP
- Internship opportunities at the NAP are posted
- Experimental VC system for the PLC on order
- Chi Zhang, Asst. Professor of Computer Science at FIU joins CHEPREO
- 2.5G (STM-16) circuit being provisioned between Miami and Sao Paolo
- Cisco ONS 15454s, one for Miami and one for Sao Paolo, being ordered





Year 2 Cyber Milestones

Y2.1- Tier 3 Data Center in NAP

Y2.2- Hire IT Support Person Phased over 3 years

Y2.3- Purchase and install active equipment

Y2.4- Provision circuit thru FLR to NLR Y2

Y2.5- Bid, Award and Provision circuit to Rio Y1 & Y4 15%

Y2.6- Establish/Cont. Network Engineering Internships) (NAP Funded)





Grid Installation at FIU

- 17 new nodes being added to the first 5 Grid3 Cluster
 - Gigabit Ethernet (GigE) fabric interconnecting worker nodes and front end node
 - Delivering GigE connectivity to AMPATH's I2 network
 - Installed Rocks 3.0.0 Cluster software
- 22 node Cluster is located at the NAP of the Americas
- FIU officially accepted as an International Virtual Data Grid Laboratory (iVDGL) member
 - obtained security certificates as a Grid3 trusted user/administrator [Ernesto Rubi, CHEPREO IT Support]





IT Support for CHEPREO

- CCGrid2004 in Chicago by CHEPREO team members
 - Xun Su (Caltech) and Ernesto Rubi (FIU) attended
 - Educational Outreach Workshop provided templates for:
 - Collaboration between higher ed. Institutions
 - Grid Tutorial initiatives
 - integrating grid concepts and practical exercises into CS curriculum
- Grid3 participation includes weekly operational meetings
 - CHEPREO provided testbed for Virtual Data Tools (VDT release 1.1.14)
 - Grid3v2.1 released and installed May, 2004
- CHEPREO team scheduled to visit Sao Paulo to assist with Grid3 installation to take place this summer



**INTERNSHIP AVAILABLE
STUDENTS!!!**

**Looking for Networking and Telecommunications Experience?
Serious Students Wanted For Position:
Project Assistant – Network Migration
Intern, Non-Exempt**

Must be able to work flexible hours and have excellent communication skills.

**Looking for students majoring in Engineering, Computer Science,
Information Technology, Education, and any of the Physical Sciences**

Position Summary:

This position will assist with a technical project. The project will require the intern to contact present clients and review advantages to change network. Once the customer has agreed to change network platforms, the intern will schedule the switch during non-peak operational hours. The intern may also be assigned to work on the actual technical cross over.

The position requires excellent communication skills.

Intern must be able to work flexible hours.

Must be a current university student with 1-2 years technical experience.

Please contact Ikam Acosta, CIARA Activities Coordinator, for additional information.
Phone: 305-348-7042 Email: ikam.acosta@fiu.edu





Cyber Outreach Activities

Sampling FY03-04 [www.chepreo.org for all]

International Conference on Communities & Technologies

September 19 to 21, 2003,
Amsterdam, The Netherlands



"Felix Meritis" Canal House. Amsterdam, The Netherlands





Second Open Round Table on
**Developing Countries Access
to Scientific Knowledge:**
Quantifying the Digital Divide

23 - 24 October 2003, Trieste, Italy

**Developing Country Access to Scientific Knowledge:
Quantifying the Digital Divide**



<http://www.ejds.org/meeting2003/>



NSF AWARD 0312038





the **role of science**
in the **information society**

CERN, Geneva, 8-9 December 2003



Alberto Santoro, Les Cottrell, and Heidi (jet lagged!) in the CERN cafeteria



Julio comments at the Contributions to and benefits from [Enabling Technologies](#) session. Harvey Newman was a panel speaker.





DIGITAL DIVIDE AND HEPGRID WORKSHOP

February 16 - 20, 2004, UERJ - Rio de Janeiro, Brazil



Julio Ibarra, Alberto Santoro and Heidi in Grid Equip. Room at UERJ-boxes containing 80 CPUs for the Tier-1

Julio, Heidi, Paul Avery, and Vickie White in a Rio eatery after the workshop





Chip Cox, AMPATH COO, Julio and Alberto hit the streets in Rio looking for last mile solutions...





CENIC 2004 - Lighting a Path for Your Imagination

March 15, 16, 17, 2004

***On the Road to a Gigabit
Award Winners'
Presentations - Ultralight
Partnership***
Sylvain Ravot, California
Institute of Technology



Breakout Sessions: Collaborations Track
*Inter-Regional Grid Enabled Center for High Energy Physics
Research and Educational Outreach (CHEPREO)*
Heidi Alvarez, Florida International University

