



Connecting You to the 21st Century

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**COMPUTING IN THE
THIRD MILLENNIUM**

**OHECC
SPRING 2000**

HOSTED BY:

OARNET



OARNet

YOUR INTERNET SOLUTIONS PARTNER

OARnet was established in 1987 as the network provider that connected Ohio's colleges and universities to the Ohio Supercomputer Center. Since then OARnet has grown tremendously and currently serves more than 90 academic institutions throughout the state with high-speed, un-congested Internet links, and provides Internet access to more than 1 million customers in Ohio. OARnet is now one of the leading regional Internet Service Providers in the world.

OARnet has been a leader in providing distance learning and learning management systems to Ohioans, and is currently providing shared technical assistance to campuses statewide in a project funded by the Ohio Learning Network. During this academic year OARnet is conducting research on video streaming, massive video storage, and video-on-demand via the Internet for distance learning. OARnet also coordinates workshops and support conferences that involve these technologies.

OARnet provides security to its members through a Cisco Firewall connected to the access router and configured according to standard practice and the client's security policy. OARnet also runs a secure sys-log server performing real-time event logging of systems messages from the client's router in order to track potential security breaches and other non-standard activities.

OARnet connects to the commodity Internet backbone through a number of Network Access Points (NAPS), including gateways to C&W, UUNET, GTE/BBN, Sprint, Qwest and Internet2. Because of this multiple homing technique, if one gateway goes down, OARnet simply routes traffic through other access points.

At present OARnet has more than 700 Mbps of aggregate bandwidth directly on the Internet. In addition, OARnet peers with dozens of Internet backbone providers, which provides our clients with access to other networks through a direct routing process that avoids the commodity Internet congestion points. The OARnet backbone features 19 POPs (Points of Presence), throughout the Midwest, which helps contain costs for distance sensitive DS-3 connections.

The OARnet backbone is a fully meshed ATM design and features multiple DS-3 and OC-3 circuits connecting Cisco ATM switches and carrier class Cisco 7500 series routers at each POP. The latest in network hardware and software minimizes hop count, and network topology has been constructed to maximize redundancy, dependability and latency reduction, while supporting high Quality of Service standards.

SCHEDULE OF EVENTS

THURSDAY, APRIL 6

<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>
11:00 - 6:30	Vendor Display	Foyer - 2
10:00 - 12:00	Registration	Foyer - 2
12:00 - 1:00	Luncheon	Ballroom - 4
1:00 - 2:00	Welcome & Introduction	Ballroom - 4
	Keynote Address	
	Announcements	
2:00 - 2:30	New T-shirt Exchange	Ballroom - 4
	Break & Vendor Display	Foyer - 2
2:30 - 3:15	Workshop Sessions	(see listings)
3:15 - 3:45	Break & Vendor Display	Foyer - 2
3:45 - 4:30	Workshop Sessions	(see listings)
4:30 - 6:30	Break & Vendor Display	Foyer - 2
6:00 - 7:00	Happy Hour	Ballroom - 1&2
7:00 - 8:00	Dinner	Ballroom - 3&4
8:00 - 12am	Casino Night: (cash bar, prizes)	Ballroom - 3&4
10:00 - ???	Hospitality Room	Cardinal Room

FRIDAY, APRIL 7

<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>
8:00 - 12:00	Vendor Display	Foyer - 2
7:30 - 8:45	Buffet Breakfast	Ballroom - 3
9:00 - 10:00	Round Table Sessions	(see listings)
	(continued at 10:30)	
10:00 - 10:30	Break	Foyer - 2
10:30 - 11:30	Round Table Sessions	(see listings)
11:30 - 12:30	Box Lunch	Ballroom - 3
12:30 PM	Final Presentation: "We Know What You Did at OHECC" Closing Remarks Door Prizes	