Various Instructional & Support Technologies Used at NTID, Rochester NY USA
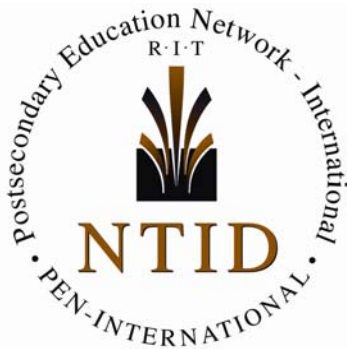
E. William Clymer

PEN-International

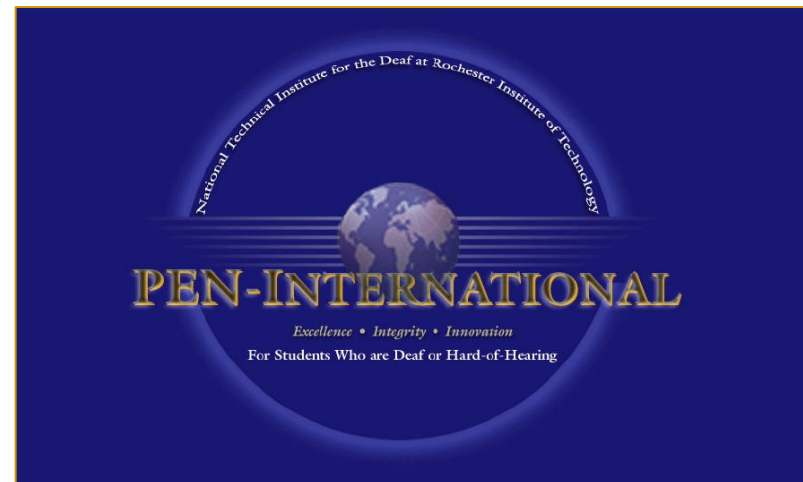NTID, USA

http://www.pen.ntid.rit.edu

March 5, 2007

A Presentation to the Korean Delegation at PEN-International

1

PEN-International Goals

- Improve Teaching, Learning and Curriculum Development
- Expand Career Education Opportunities for Deaf and Hard-Of-Hearing People Around the World
- Increase the Application of Technology to Teaching and Learning

http://www.pen.ntid.rit.edu

NTID Technology Expertise
Topics for Today

- Faculty Technology Skills
- Technology Infrastructure for Faculty
- Technology Infrastructure for Students
- Online Technology
- Communication Technology
- Technology Used in NTID Classrooms
- myCourses – Online Learning at RIT
- Instructional Technology Symposium
- NTID Center on Access Technology

Faculty Technology Skills
Professional Development Program

- **Level of Training**
  - Individual
  - Department
  - Center
  - College
- **Workshops**
- **Seminars**
- **Demonstrations**
- **Individual Training**

Faculty Technology Skills
Instructional Technology Consortium

- Faculty Development Activities
- Teachers <u>Teaching</u> Teachers
- Web Based Resources
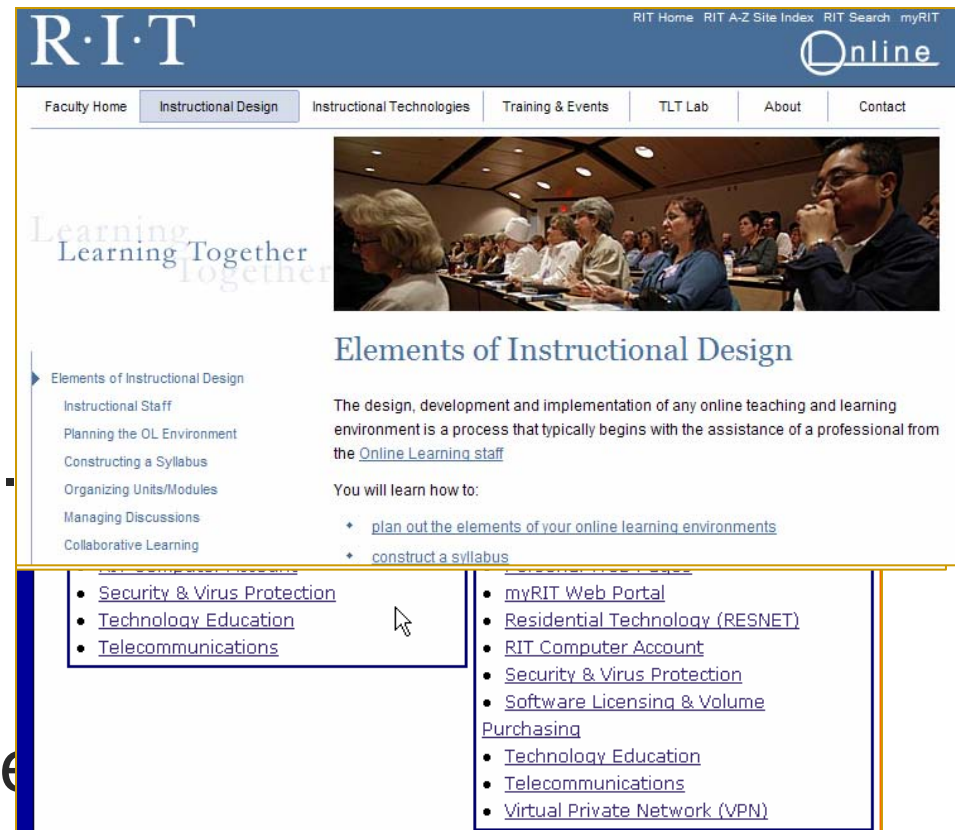- Faculty Projects
- Positive Evaluation & Impact

- http://www.rit.edu/~ntiditc/

Faculty Technology Skills
RIT Resources

- RIT Faculty Training
- RIT ITS Support
- RIT Office of Professional Dev.
- RIT Library
- Educational Technology Cente

Infrastructure for Faculty
Educational Technology Resource Room

- Most Current Technology
- Experienced Faculty and Staff Guide Use of Technology with NTID Faculty
- Resource Room
- Product Development
- Loan System for Equipment

http://www.rit.edu/~493www/

Infrastructure for Faculty
Instructional Design & Evaluation

- Instructional Developers Lead Projects

- Team of Multimedia Developers, Grpahic Designers, Photographers, Evaluators

http://www.rit.edu/~491www/

8

Infrastructure for Faculty
Instructional Television

- Traditional Television Production
- Captioning Process
- Classroom Captioning
- Videoconferencing

http://www.rit.edu/~490www/etv.html

Infrastructure for Faculty
Equipment Services

- Equipment
- TTY/Videophone
- Assistive Technology
- Smart Classrooms
- Classroom Presentation Systems

http://www.rit.edu/~493www/equipment.html

Infrastructure for Faculty
Technical Support & Operations

- Computer Set-up & Maintenance

- Software Support & Networking

- Document & Printer Services

http://www.ntid.rit.edu/tso/index.htm

Infrastructure for Students
NTID Learning Center

- Computer Classroom
- Computer Lab
- Tutoring
- Videoconferencing

http://www.rit.edu/~482www/nlc/nlchome.htm

Infrastructure for Students
Self-Instruction Lab

- Supports Signed and Spoken Communication Instruction
- Courses From
  - Audiology
  - English
  - Speech & Language
  - Sign Language & Interpreting
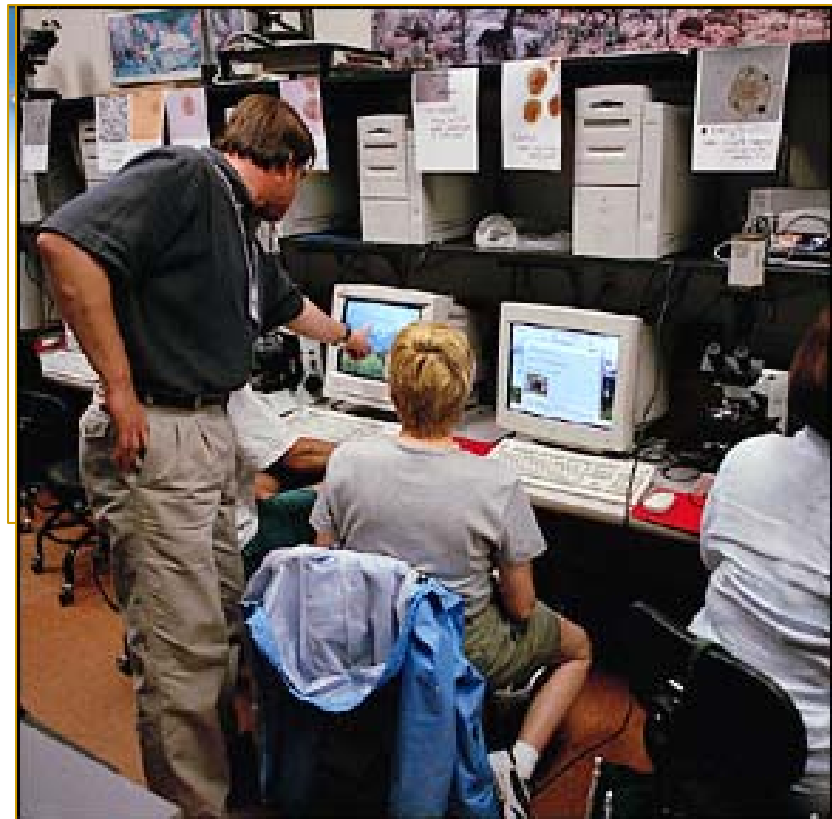

http://www.rit.edu/~482www/sil/

Infrastructure for Students
Computer Labs

- Optical Finishing
- Medical Billing & Coding Technology
- Business
- American Sign Language & Interpreting Education Lab
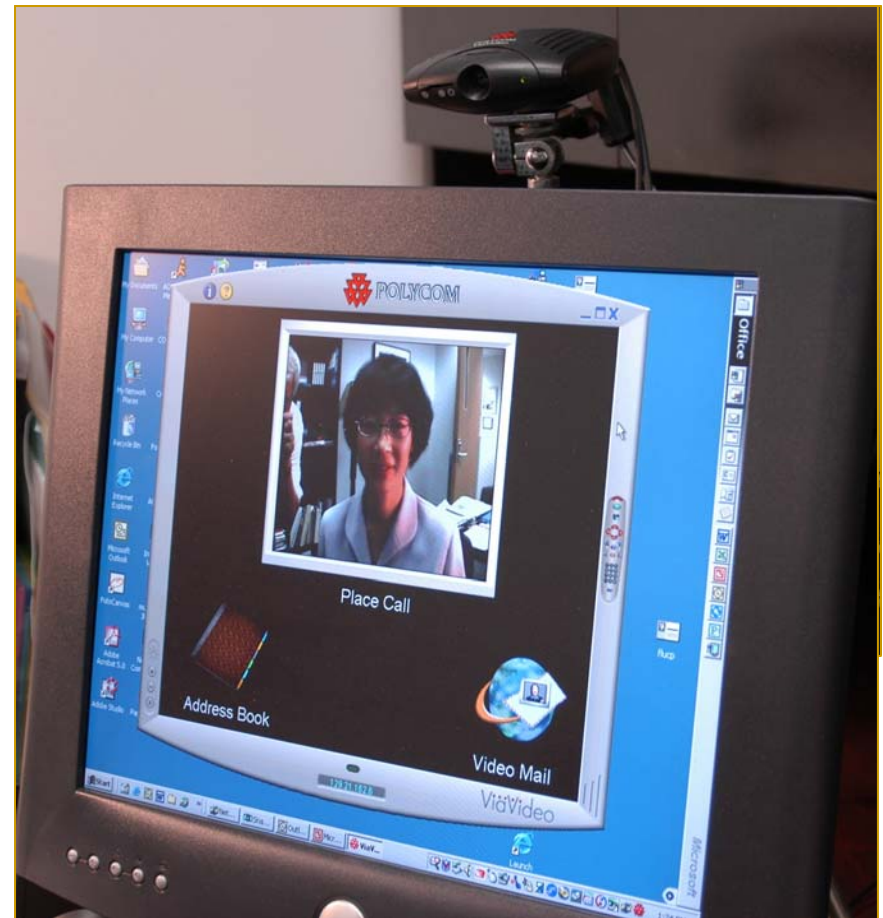- Digital Imaging & Publishing

Online Technology
WWW Courses

- Training and Support
  - Publisher & Other Authoring Systems
- RIT *My Courses*
  - Web-based Course Management System
  - Automates Typical Presentations
  - (Reviewed later in this presentation)

Online Technology
Videoconferencing

- Application
  - ○ Teaching
  - ○ Meeting
- Format
  - ○ Classroom/ Meeting Room
  - ○ Desktop

Communication Technologies SLLPL

- **Spoken Language Learning & Practice Lab**
- Spoken Language Learning & Practice Lab
- Students Work on Variety of Spoken Language Skills

http://www.rit.edu/~462www/index.html

Communication Technologies
Weitbrecht Telecommunication Lab

- **Communication Technologies Course**
  - Clark & Snell
- **Telephone Network**
- **Wireless Network**
- **Internet Communication**

Technology Used in NTID Classrooms

- Standard NTID Classroom Based on Years of Experience

- Incorporates Latest Technology

- Access Emphasis

Video Overview at:
http://www.ntid.rit.edu/co/TSS/NTID_Smart_Classroom.cfm

Features of an NTID Classroom

- Help System
- Control Room Lights
- Whiteboards
- Smart Board
- Resident Computer
- VHS/DVD

- Visualizer
- Connect Laptop
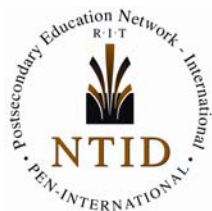- Connect Video Phone
- FM System
- Freeze Image

myCourses

- Web-based Course Management System
- Online Environment to Post Course Materials
- Interaction with and Between Students
- Student Registration, Email and Grade Information from University Databases
- Does Not Require Extensive HTML, Web or Programming Skills

Instructional Technology and Education of the Deaf Symposium

- June 27 – July 1, 2005

- Sponsored by:
  - NTID
  - Nippon Foundation
  - PEN-International

- 248 Participants
  - 17 Countries

http://www.rit.edu/~techsym

Accessing Symposium Resources on the Web

Next Symposium Scheduled for June 2008

- Sign-up for Email Announcements
- Suggest Program or Format Ideas
- Possible Greater Focus on Access Solutions
- http://www.rit.edu/~techsym

NTID
Center on Access Technology

- http://www.ntid.rit.edu/cat
- Four Strands of Research
  - Classroom Access Technologies
  - Mobil Technologies
  - Training and Evaluation Services
  - Audio and Sound Technologies

NTID
Center on Access Technology

- Examples of Proposals Being Considered
  - Comparison of Support Technologies
  - Technology to Display Text
    - Instructional & Public Venues
    - Personal or Public Channels
  - Remote Access To & From Presentation Rooms
  - Captioning of Online Multimedia Presentations
  - Focused Sound Systems
  - Interpreter Video Systems in Vans and Buses

Questions or Comments