Various Instructional & Support Technologies Used at NTID, Rochester NY USA

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NTID Students, Faculty & Staff

- One of the 8 Colleges of RIT
- 1250 Students
  - 700 Sub-baccalaureate Programs, 475 Baccalaureate Program at RIT, 75 Graduate Students
- 475 Faculty & Staff
  - 200 Faculty, 165 Staff, 110 Interpreters
- Support During a Year
  - 80,000 Interpreter Hours, 40,000 Note Taker Hours, 20,000 Tutoring Hours
  - 10,000 C-Print Hours & Rising

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

PEN-International

NTID & PEN-International

- NTID – 35 Years Experience
- PEN-International Shares NTID Experience with Partners
- NTID Faculty & Technical Experts Develop Materials & Share Information

RIT Information

- Founded in 1829
- Students
  - ~13,000 Undergrad
  - ~2,400 Graduate
- 1,500 Acre Campus
- Home of NTID & PEN-International

NTID Technology Expertise

- 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

A copy of this PowerPoint and handouts, along with links to all references can be found at:
http://www.pen.ntid.rit.edu/ntidtech06.pdf
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 Teaching Teachers
- Web Based Resources
- Faculty Projects
- Positive Evaluation & Impact

Faculty Technology Skills
RIT Resources

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

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

Infrastructure for Faculty
Instructional Design & Evaluation

- Instructional Developers Lead Projects
- Team of Multimedia Developers, Graphic Designers, Photographers, Evaluators

Infrastructure for Faculty
Instructional Television

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

http://www.rit.edu/~ntiditc/
http://www.rit.edu/~491www/etv.html

PEN-International is funded by a grant from The Nippon Foundation of Japan to NTID
Infrastructure for Faculty

**Equipment Services**

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

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

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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/~482/www/sif/

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Infrastructure for Faculty

**Technical Support & Operations**

- Computer Set-up & Maintenance
- Software Support & Networking
- Document & Printer Services

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

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Infrastructure for Students

**NTID Learning Center**

- Computer Classroom
- Computer Lab
- Tutoring
- Videoconferencing

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

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Infrastructure for Students

**Computer Labs**

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

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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

Technology Used in NTID Classrooms

- Standard NTID Classroom Based on Years of Experience
- Incorporates Latest Technology
- Access Emphasis

Typical Configuration

Communication Technologies

SLLPL

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

Smart Cart with Smart Board

Communication Technologies

Weitbrecht Telecommunication Lab

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

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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

myCourses Features
- Creates a “Course Shell” Website for Every Course at RIT
- Faculty Can Use myCourses for
  - Course Content (Syllabus, Assignments, Lecture Notes, & Readings)
  - Communication (Student Collaboration, Announcements, Email, Asynchronous Discussion, Live Chat)
  - Assessment (Online Testing, Gradebook)
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

Participants

- Curriculum Level
  - Postsecondary 33%
  - K-12 14%
  - Not Specified 53%
- Teachers 32%
- Administrators 15%
- Technologists 10%
- Not Specified 43%

Highest Rated Sessions

- “Technology Integration in the K-12 Classroom” (T11A)
- “BSL Tuition in the Hands of Deaf People – a BSL Academy” (T10C)
- “Creating a Book-on-Demand: Publishing a Workshop Planner’s Guide for Promoting Classroom Access” (T9A)
- “Technology in the ASL/English Bilingual Classroom” (T10A)
- “Achieving Goals! Career Stories of Individuals Who are Deaf or Hard of Hearing” (W10C)
- “I Can SEE What You HEAR!” (T10D)

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

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