PEN-International: A University Collaborative To Foster Accessible Postsecondary Deaf Education

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

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Topics for Today’s Presentation

- RIT/NTID, Home of PEN-International
- PEN-International
- Areas of Collaboration
- Future Directions
RIT Information

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

- **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
Nippon Foundation of Japan

- Improve Education in Participant Countries
- Establish International Network
- Provides Funds for PEN-International
Founding of PEN-International

National Technical Institute for the Deaf
Tianjin University of Technology
Bauman Moscow State Technical University
Tsukuba College of Technology
The Nippon Foundation of Japan
PEN-International Goals

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

Importer

Self-Sufficiency

Exporter
Implementation Strategy

- Training & Faculty Development
- Multimedia Computer Centers
- Online and WWW Resources
- Evaluation & Research
PEN-International Partners

- NTID (USA)
- Tsukuba College of Technology (Japan)
- Tianjin University of Technology (China)
- Beijing Union University (China)
- Changchun University (China)
- Zhongzhou University (China)
- College of St. Benilde (Philippines)
- Bauman Moscow State Tech University (Russia)
- Institute of Social Rehabilitation at Novosibirsk State Technical University (Russia)
- Vladimir State University Center for the Deaf (Russia)
- Academy of Management “TISBI” at Kazan (Russia)
- Charles University (Czech Republic)
- Ratchasuda College (Thailand)
National Technical Institute for the Deaf (USA)

- Established in 1968 on the campus of RIT
- Approx. 1250 Students
- 475 Faculty/Staff
Tsukuba College of Technology
(Japan)

- Established in 1990
- Technical College for Deaf Students
- Approx. 200 Students
Tianjin University of Technology (China)

- Established in 1991
- First Technical College in China
- Approx. 125 Students
Beijing Union University (China)

- University
  Established in 1985
  - Program for Deaf Students
    Established in 1999
- Approx. 125 Deaf Students
Changchun University (China)

- Established in 1987
- Approx. 200 deaf students
Zhongzhou University (China)

- Founded in 1980
- Approx 10,000 students, 200 deaf students
- Special Education Institute established in 2002, only Higher Special Education Institute in China’s Midwest region.
De La Salle College of Saint Benilde (Philippines)

- School of Deaf Education and Applied Studies of DLS - College of Saint Benilde
- Serves approx. 150 deaf students
Bauman Moscow State Technical University (Russia)

- Deafness Center
  Started in 1990
- Students
  Mainstreamed
- Approx. 250 deaf students
Institute of Social Rehabilitation at Novosibirsk State Technical University (Russia)

- Founded in 1950
- 18,000 students
- Institute est. in 1993 to provide high tech education to individuals with disabilities
- Approx. 296 deaf students
Vladimir State University Center for the Deaf (Russia)

- Center of Professional Rehabilitation of the Deaf est. in 1994
- In 2002, became experimental platform for education and social support to deaf children
- Approx. 60 deaf students
Academy of Management “TISBI” at Kazan (Russia)

- Has provided secondary & higher professional training to individuals with disabilities via the internet, since 2001
- Approx. 24 deaf students
Charles University (Czech Republic)

- Students Mainstreamed
- Serves Approximately 120 Special Needs Students; Approx. 24 deaf students
Ratchasuda College
Mahidol University (Thailand)

- Founded in 1991
- Approx. 89 deaf students
PEN Partner Locations!
Implementation Strategy

- Training & Faculty Development
- Multimedia Computer Centers
- Online and WWW Resources
- Evaluation & Research
Training & Faculty Development

- Needs Assessment
- Objective-based Workshops
- Teachers Sharing with Teachers
- Formative & Summative Evaluation
PEN Activities—Recent Accomplishments

- February 2005- Trip to Thailand by NTID faculty Rico Peterson and Patrick Graybill, Instruction of sign language
- March 2005- Trip to China by PEN faculty Jim DeCaro and Bill Clymer, signing with Zhongzhou University in Zhengzhou
- Haiku competition with students at NTID and Tsukuba College of Technology, Japan
- March 2005- two delegations of students and faculty groups from Japan visit NTID
- May 2005- NTID student delegation visit Japan.
- May 2005- visits to postsecondary institutions in Russia by Jim DeCaro and NTID VP/Dean Alan Hurwitz.
Current & Upcoming PEN Activities

- June 2005- International Instructional Technology symposium at NTID with 45+ international reps.
- November 2005- Visit by CSB- Philippine faculty to NTID.
Multimedia Computer Centers

- Support Student Learning
- Support Faculty Development of Materials
Lab Specifications

- Smart Classroom Technology
- Display Computer, Video, Objects
- Local Area Network
- 12 -18 Student Computer Stations
- Videoconferencing
Recent Accomplishments – PEN Multimedia Labs

- New Laboratories Opened in Beijing Union University & Changchun University, 2003 - 2004
- Tianjin University lab enhanced, 2004
- Changchun University lab enhanced, 2005
- Labs are used an average of 32 Hours per Week for Course Work
Online & WWW Resources

- PEN Web Page
- Workshop Page

PEN International Web Page

Purpose

The Postsecondary Education Network International (PEN International) is the first of a kind international partnership of colleges and universities serving the postsecondary education needs of deaf and hard-of-hearing students. Web technology, familiar training, telecommunications technology, information technology and instructional technology are being used to:

- Improve teaching and learning for students
- Increase the application of innovative technology to teaching students
- Expand career opportunities for deaf and hard-of-hearing people

Workshop Page

PEN International Teaching Mathematics to Deaf Students: The NTID Model

Presented By:
Dr. Vincent A. Deaide
Ms. Jodi A. Clary
23-24 June, 2004

1. Schedule
2. PowerPoint
3. 使用 TI-83 计算器 (Teaching with the TI-83)
4. 了解 TI-83 计算器：代数学基础 (Getting to Know the TI-83 Calculator)
Redesign of PEN Web Pages

• **Goals**
  • To Improve Dissemination of Resources
  • To Improve Usability

• **Strategies**
  • Web Site Architecture
  • Content Organization & Delivery
  • Accessibility
  • Search Engine
Reporting

- Brochure
- Annual Report
Evaluation & Research: Workshops

- Training in USA
- Follow-up Training in Country
- Training of Others in Country
- Regional Training
Evaluation & Research: Cultural Exchanges

- Student Trips
- Haiku Competition
- WWW Design Competition
- Faculty Exchanges
Future Activities

- Expand Network Within Each Partner Country
- Continue Original Training
- Expand Network to Other Countries
- Thoroughly Evaluate ALL Outcomes!!