

# Postsecondary Education Network- International: An Overview

**Dr. James J. DeCaro, Director**  
**E. William Clymer, Coordinator**  
**Dr. Denise Kavin, Project Associate**

PEN-International  
National Technical Institute for the Deaf  
Rochester Institute of Technology



23 June 2005  
Rochester, New York

# [ 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

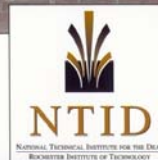


# Founding of PEN-International

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



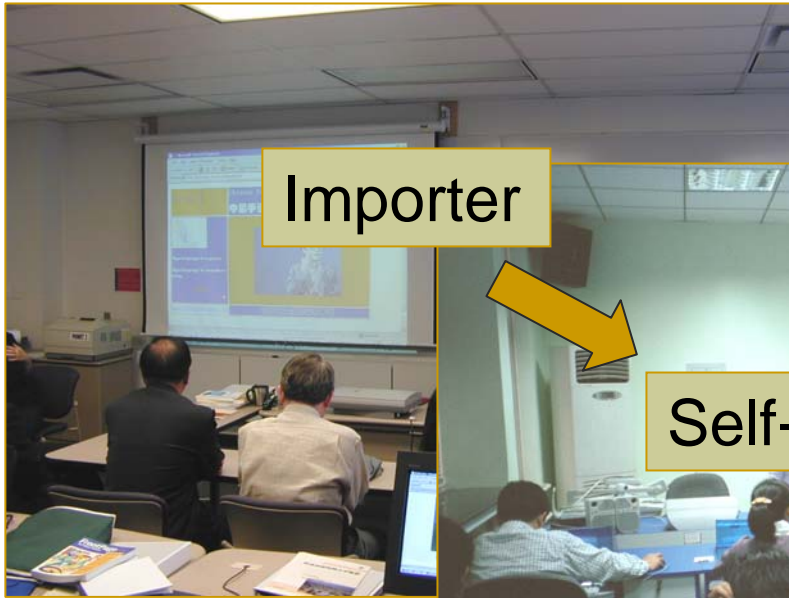
Signing Ceremony  
29 June 2001



# [ 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 ]





# [ 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

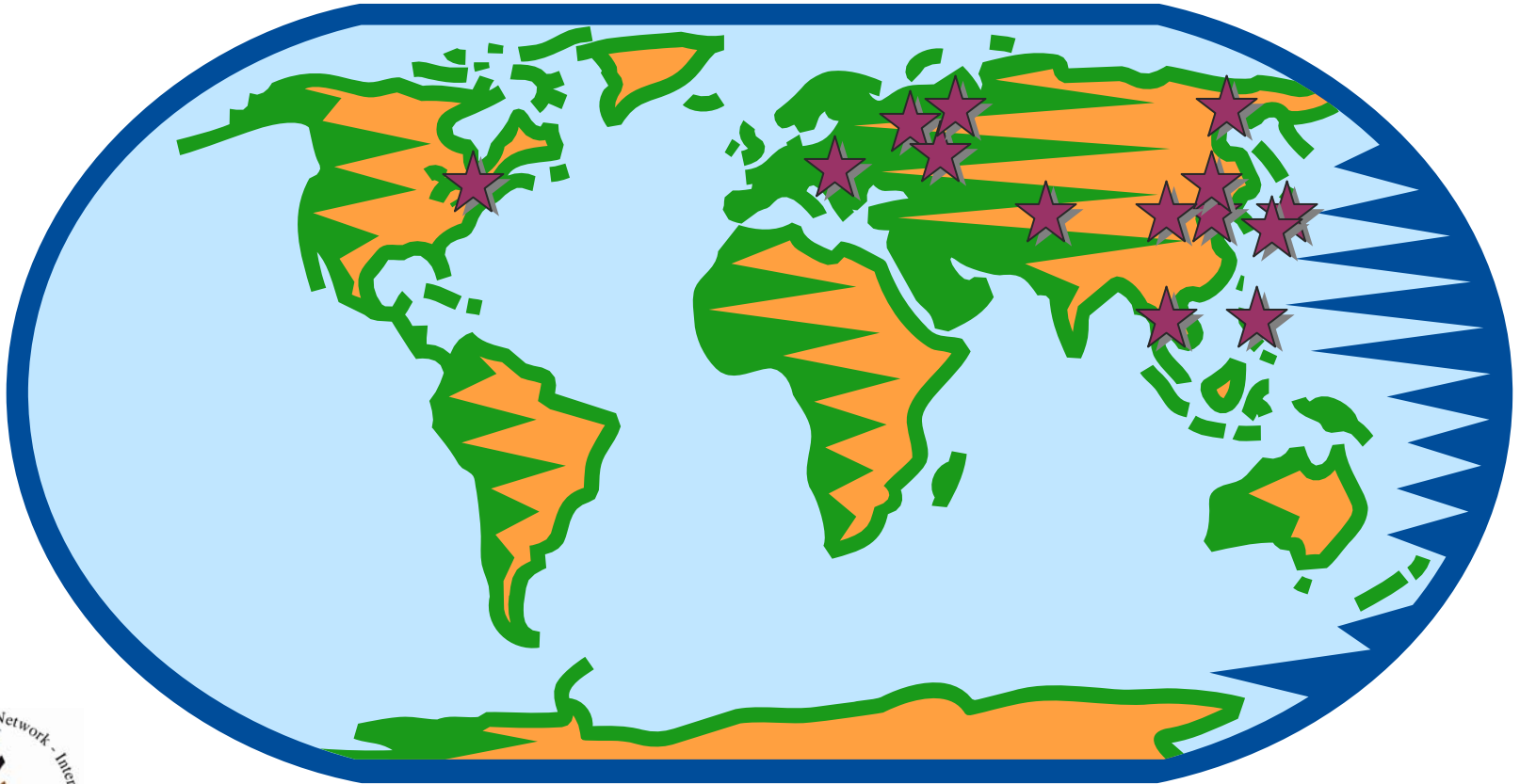


# Ratchasuda College Mahidol University (Thailand)

- 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.
- July 2005- PEN representation at International Congress on Education of the Deaf (ICED), Maastricht, Holland.
- November 2005- Visit by CSB- Philippine faculty to NTID.
- July 2006- First-ever Leadership Institute for Deaf/hh postsecondary students, England.

# 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

**PEN-INTERNATIONAL**  
Excellence • Integrity • Innovation  
For Students Who are Deaf or Hard of Hearing

[Home](#) [Description](#) [Partners](#) [Resources](#) [News & Events](#) [Video](#) [Site Map](#) [Search](#)

**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, faculty 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

[Our Partners](#)  
[Our Team](#)  
[Contact Us](#)

[PEN-International](#)  
[See More Photos](#)

## ■ Workshop Page

**NTID**  
Postsecondary Education Network - International  
R-I-T  
PEN-INTERNATIONAL

**PEN International 在中国长春研讨会**  
教授聋人大学生数学: NTID(美国国家聋人技术学院) 模式  
演讲老师: Vincent A. Daniele 博士  
Joan A. Carr 女士  
6月23-24日, 2004

**PEN International Training in Changchun, PRC**  
Teaching Mathematics to Deaf Students: The NTID Model  
Presented By:  
Dr. Vincent A. Daniele  
Ms. Joan A. Carr  
23-24 June, 2004

1. [Schedule](#)
2. [PowerPoint](#)
3. [使用 TI-30X 计算器教课 \(Teaching with the TI-30X\)](#)
4. [了解 TI-83 计算器 代数学基础 \(实验报告例子\) \(Getting to Know the TI-83 Calculator\)](#)

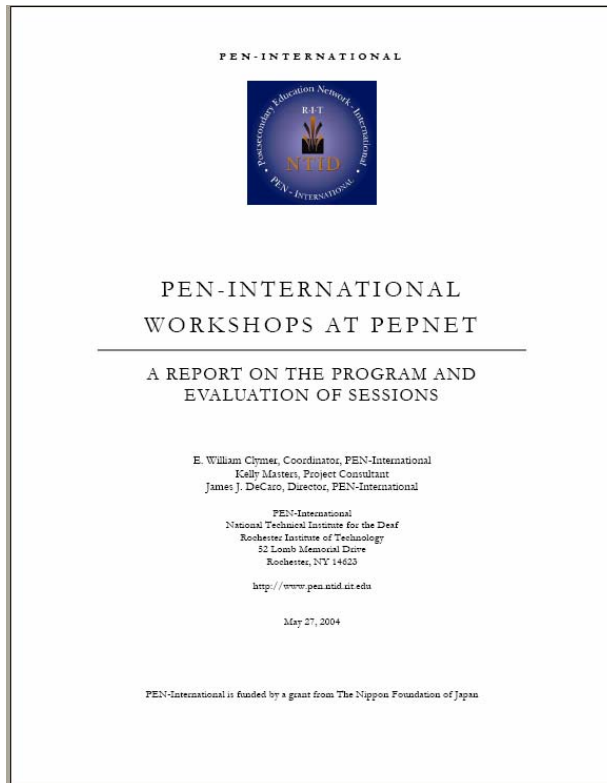


# Redesign of PEN Web Pages

- Goals
  - To Improve Dissemination of Resources
  - To Improve Usability
- Strategies
  - Web Site Architecture
  - Content Organization & Delivery
  - Accessibility
  - Search Engine

# Evaluation & Research

- Typical Evaluation Report



- Typical Research Presentation



# Reporting

## ■ Brochure



**PEN-International...improving education through faculty development and technology**

The Postsecondary Education Network-International (PEN-International), a multinational partnership of colleges and universities worldwide, was created in 2001. Its goal is to improve and expand postsecondary education around the world by sharing educational technology and conducting faculty development and training, particularly in developing countries.

**Lead Institutions**

**United States of America**  
National Technical Institute for the Deaf (NTID)/Rochester Institute of Technology (RIT)

The National Technical Institute for the Deaf (NTID), established in 1967 at Rochester Institute of Technology, is the world's first, largest, and most advanced technological college for deaf and hard-of-hearing students. Its unique placement at RIT allows more than 1,100 deaf/hard-of-hearing students to study and live with nearly 15,000 hearing students on a 1,300-acre campus designed principally for hearing students.

**Japan**  
Tsukuba College of Technology (TCT)

The Government of Japan chartered Tsukuba College of Technology in October 1987 by amending the Japan Law for Establishing National Schools. Tsukuba's Division for Hearing Impaired offers state-of-the-art programs in design, mechanical engineering, industrial engineering, electronics, and information science.

**Sponsor** The Nippon Foundation, established in 1962, provides the grants that support PEN-International. The Foundation believes that all people share a common duty of transcending antagonism and overcoming conflict, so that cultures of the world may establish common and provide assistance to each other. The Nippon Foundation has dedicated itself to meeting that challenge by sponsoring multilateral networks to improve the circumstances of disadvantaged people around the world.

**PEN-International's Mission**

PEN-International works with talented faculty members from colleges and universities worldwide who believe in its mission of creating better career opportunities for deaf and hard-of-hearing people. Using Web, teleconferencing, instructional, and information technologies combined with training, highly motivated faculty members, PEN-International is improving teaching and learning for thousands of students in China, Russia, the Philippines, Japan, Thailand, and the Czech Republic.

**PEN-International's program consists of three main components:**

- Faculty Professional Development and Training
- Creation of High-Technology Multimedia Labs at Partner Universities
- Faculty and Student Exchanges




## ■ Annual Report



**PEN-International**  
**Year Three Report**  
**1 March 2003 to 29 February 2004**  
**Making a Difference in Deaf Education Worldwide**

**Message from the Director**

Dear Friends:

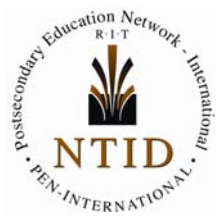
With generous support from The Nippon Foundation of Japan, PEN-International has continued to make a difference in the postsecondary education of deaf men and women around the world. The PEN-International partners have worked diligently to assure that they move from importers to self-sufficiency to exporters of knowledge and skills within their respective home countries. I believe the reader of this report will be impressed with the progress that has been made in this regard.

As the director of PEN-International, I am very pleased to present a report that details the extraordinary efforts made by PEN-International partner institutions in our third year of operation. I am very proud of my colleagues around the world, and in the USA (particularly Ms. Heschke and Ms. Lamb), whose dedication and commitment have made this year a successful one.

Warmest regards,  
  
James J. DeCaro, Ph.D.  
Professor and Director, PEN-International

**Table of Contents**

	Page #
Faculty Professional Development and Training.....	4
PEN Expansion in China, Russia, and the Philippines.....	12
Cross-Cultural Exchanges.....	15
Utilization of Videoconference Technology.....	19
Dissemination of Network and Program Information.....	21
Delegation Visits.....	25
Awards and Recognition.....	26



# 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!!

