Some Results and Prospects of BMSTU’s Participation in PEN-International

Brief Overview
Before 1934

- There was no engineering education for the Deaf in Russia
1934

• Engineering education for the Deaf started in BMSTU
1990

- BMSTU Deafness Center started
1991

Cooperation between NTID and BMSTU was launched

- BMSTU’s delegation headed by Rector Fedorov visited NTID
- NTID’s delegation headed by NTID’s Rector visited BMSTU
1991-1993

- Development of close bilateral relations between NTID and BMSTU
1994
State support for programs for the Deaf started

• Setting up BMSTU Federal Center for the Deaf
2002

PEN-International Program
launched in Russia

- 2002 March: Memorandum of Understanding was signed
2002

- BMSTU and NTID faculty training
- NTID students’ visit to BMSTU
2002

- Multimedia PEN-Lab was opened
2003

- Russian deaf students’ visit to Rochester
- Dissemination of PEN-International program’s experience throughout Russia with financial support from the Government of Russia
- Origination of PEN-Russia network
2004

- BMSTU faculty visiting Pittsburg
- Carrying out advanced training of school teachers and university faculty
- Dissemination of PEN-International’s experience in Russian schools (pre-college education)
2004

- The second part of PEN-Lab was opened. (Wireless Technology Laboratory)
After leaving schools, 180 deaf and hard of hearing students get education at BMSTU.

- 42% go to schools for the deaf
- 52% attend a class for the deaf in mainstream school
- 6% are in schools for hearing students
Degrees of Hearing Loss

- I: Up to 40 decibels
- II: Up to 55 decibels
- III: Up to 70 decibels
- IV: Up to 90 decibels
- Profound deafness (more than 90 decibels)
PEN-International/BMSTU
activities

1. The creation of the necessary prerequisites for PEN in Russia

2. Working out the concept for PEN- Russia

3. Technology resources’ growth under the aegis of PEN-International
PEN-International partnership expansion is an important result
BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY
CENTER FOR THE DEAF

PEN-RUSSIA - Development of Network Educational System for the Deaf on basis of the PEN-International experience
Aims of PEN in Russia

- Ensuring training programs’ accessibility
- Ensuring high quality of education
- Ensuring high quality of sign language interpretation and other support services
PEN-Russia Concept

• Training deaf university students in the mainstream
• Complying with the State Educational Standard
• Software, hardware and telecommunication systems’ compatibility of PEN program’s participants
• Curricula compatibility
• Faculty and staff training
New PEN technologies and the development of new techniques help deaf students master the material which they failed to master earlier.
Trends in Developing Technological Resources

• Creating university-wide informational environment for rendering services to deaf students
• Free unlimited access to educational resources and Internet for deaf students
• Video conferencing
• Distance teaching and learning
• Support system development
Specific examples of successful impacts

- Center on Deafness’ information environment integration
- Center’s integration into University
- Faculty training
- Introducing multimedia into training process
- Working out new courses for deaf students to be taught in two new PEN labs
- Improvement of sign language interpreting services (plasma panel, multimedia glossary of signs)
Specific examples of challenges

- Human factor. Problems associated with specialized departments faculty’s qualification and mentality
- Problems of interaction and cooperation with University’s specialized departments