The Postsecondary Education Network-International (PEN-International) is funded by grants from The Nippon Foundation of Japan to the National Technical Institute for the Deaf (NTID) at Rochester Institute of Technology in Rochester, New York. Established in 2001, the PEN-International network is currently comprised of colleges and universities in China, Japan, the Philippines, Russia, and the United States, with affiliations in the Czech Republic, Hong Kong, Korea, Thailand, and Vietnam. PEN-International shares its expertise with international partners that, like NTID, offer postsecondary educational programs to deaf and hard-of-hearing students. PEN-International is dedicated to providing professional development to teachers of deaf and hard-of-hearing students, facilitating the use of innovative instructional technologies in the teaching/learning environment, and furnishing its international partner institutions with state-of-the-art equipment. This presentation will primarily focus on how emerging technologies have been utilized for the past seven years among the PEN-International lead institute and partner institutes. In addition, cultural, linguistic, and technical challenges imposed to development and implementation of the PEN-International projects and what we have learned will be discussed.