

Deaf STEM Community Alliance and Mainstream Real-Time Captioning

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Successful Practices from the Deaf STEM Community Alliance and C-Print Research Projects

- Background
 - Both projects emanate from RIT/NTID
 - Both started with “off the shelf” software
 - C-Print research began in 1989, funding from US Department of Education (start 1993), NSF (start 2007)
 - Deaf STEM Community Alliance, NSF (start 2011)

C-Print

- Provides meaning-for-meaning speech-to-text capture displayed on a variety of devices
 - Captionist types using phonetically-based abbreviations and full words appear on the display, using standard QWERTY keyboards
- Rationale
 - Not everyone who is deaf or hard of hearing (D/HH) has proficiency in ASL, especially students who have been educated in mainstreamed settings
 - ASL vocabulary for STEM is limited, fingerspelling complex!
 - Text provides permanent record for very complex information