

Undetectable, Hands-Free, Always-On Technology in the Classroom

Erick Sanchez Suasnabar, Shail Shah, Xu Cai, Yang Liu, Michael Bieber (*), S. Roxanne Hiltz
New Jersey Institute of Technology – Information Systems Department
(* also Rutgers Center for Mathematics, Science and Computing Education (Visiting)
(* contact: bieber@njit.edu - web.njit.edu)

Abstract

Hands Free Always On wearable technology (HFAO), such as smart glasses, in the near future will likely become invisible and undetectable, turn up in classrooms, and change teaching and learning. An exploratory study analyzed 10 faculty and student focus groups, guided by 4 research questions. Participants' insights show mixed perceptions of HFAO.

Research Questions:

- (1-3) How will HFAO affect:
learning, teaching & assessment?
- (4) What would make faculty & students embrace HFAO in classrooms?

Approach

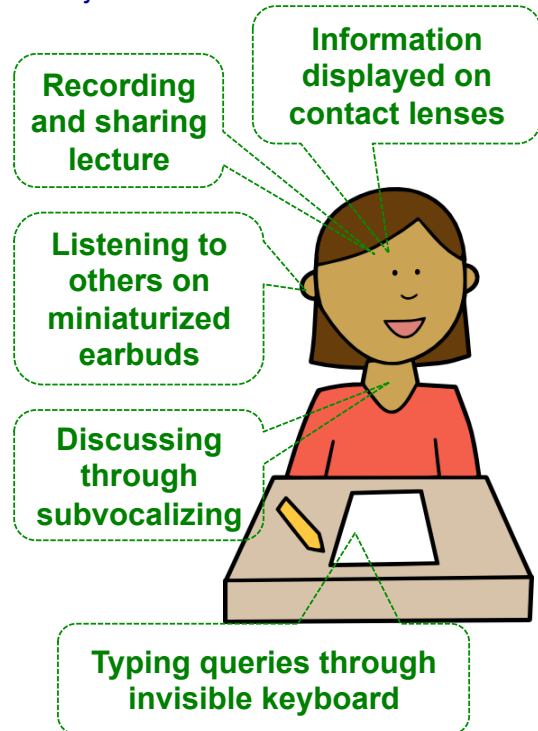
Focus Groups:

- 2 pilots, 4 faculty, 6 student
- based on research questions

Transcripts coded to discover themes explaining perceptions (w/ MAXQDA)

Contributions

- First study of undetectable wearable technology in the classroom
- Provides insights for faculty, instructional designers, and developers



How would you / students behave differently in class?

How would students learn differently?

How would you teach and assess differently?