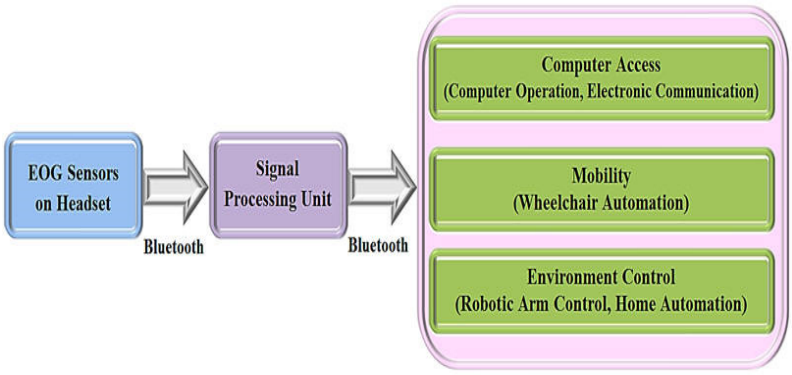
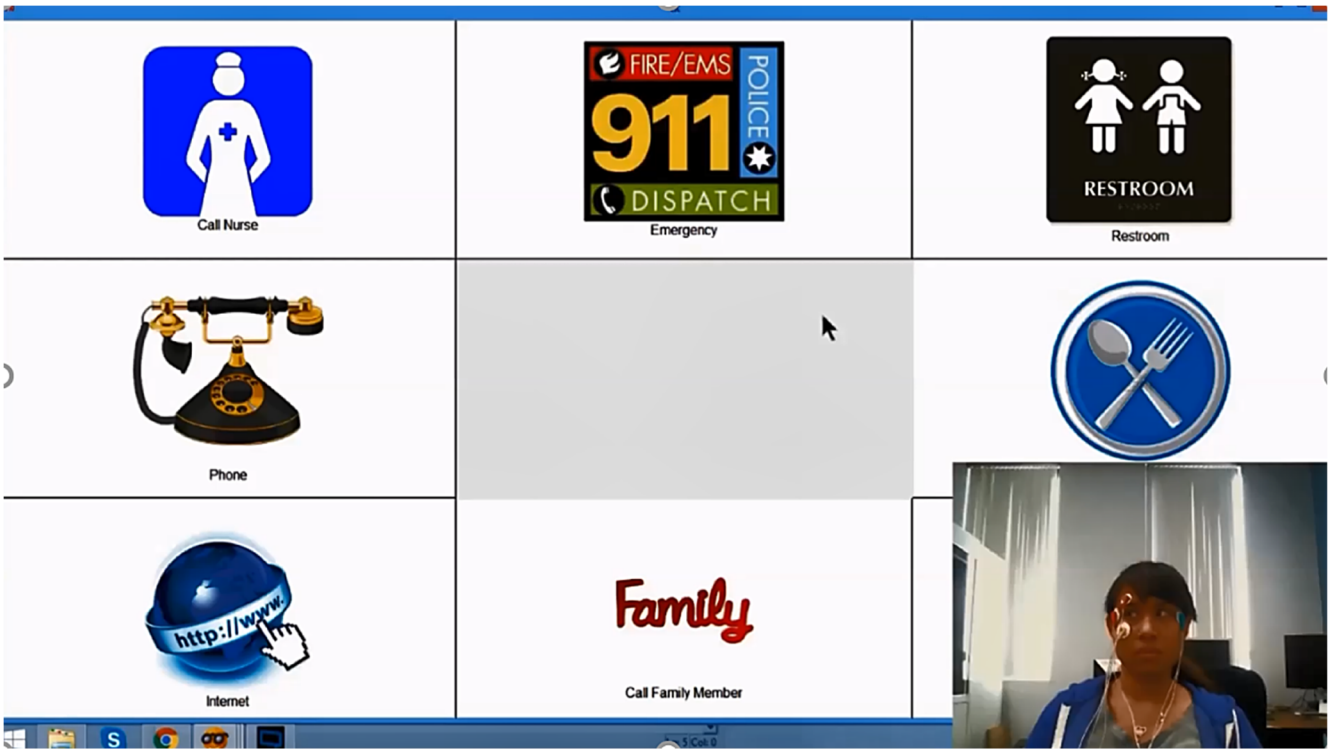
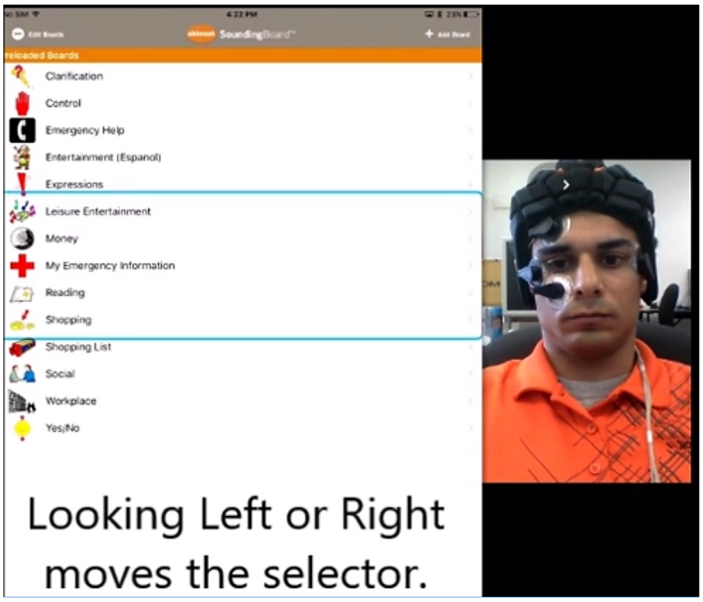
Electrooculography (EOG) based Communication Device



- **Allows users to effortlessly access the internet and electronically communicate using only eye movements, blinks and eye brow raises (EOG signals).**
- **Cost per device: less than $100.**
- **Design utilizes off-the-shelf components to reduce cost and development time.**
- **Project funded by Disability Communication Fund and NSF.**





As part of the grant activity, 15 ALS patients were provided with the device after being trained. See below photos and comments from PALS from prototype trial sessions.

Comments from prototype testing:

- "***device was easy to learn and control***"
- "***like the concept of using my existing iOS device hands free***"
- "***wants to see this kind of technology to allow me to play video games someday***"
- "***preferred EOG controlled method to control my iPad***"
- "***electrodes were comfortable and that the system was easy to learn***"
- "***likes using iPad over the tobii device***"
- "***did a great job..enjoyed helping test the device***"

Comments from physical therapist who referred patients for the testing: ***"It (prototype testing) went really well with the client that trialed it. He actually told me it was his favorite option to access his ipad after trying other options for computer access."***