

Participate in Research Validation & testing of a fabric-based EOG access technology



**Principal Investigator:
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**Research Area:
Applied Innovation**

CONTACT INFORMATION:

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Consider participating in a research study testing new fabric-based electrodes!

What is this study about:

We aim to test the ability of fabric-based electrodes (worn in a headband) to measure eye movement and blinking. This headband could eventually be used as a simple access technology for children and adults who retain voluntary movement of their eyes.

Who can participate?

- Adults (18-55 years old)
- No known motor disorders
- Normal vision, or corrected-to-normal vision and able to wear contact lenses for up to 2 hours during testing
- Able to communicate in English

What's involved?

- You will be asked to perform a series of eye movements while wearing a fabric headband containing electrodes
- Video will be used to track eye movement
- Participate in 2 sessions of 1-1.5 hours each at least 1 week apart
- Sessions scheduled based on your availability
- More information is available in the informed consent letter about this study.

What are the benefits of participating?

- This data could help to determine the effectiveness of fabric-based electrodes for communication.
- Opens opportunities for wearable, comfortable communication and access technologies.
- This technology may ultimately benefit young people with disabilities who have trouble communicating.

What are the risks?

- Participants may feel tired during data collection and can take breaks or stop at any time.
- Skin irritation from electrode contact is unlikely, but participants may stop if electrodes are uncomfortable.

Participants will receive a gift certificate to thank them for their time.

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