Participate in Research
Distractions in Brain-Computer Interfaces

Principal Investigator:
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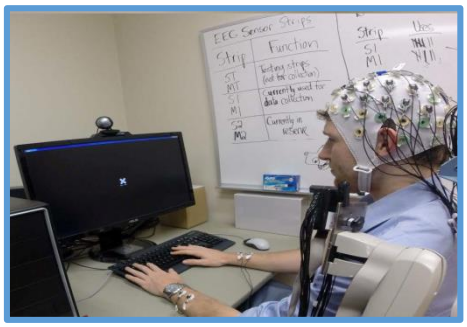
Centre for Leadership:
Innovations



TO ASK QUESTIONS OR TO SIGN UP, CONTACT:

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Are you interested in helping advance the development of a technology that allows brain activity alone to control various applications?

Consider participating in a research study about attempting to overcome the influence of distractions in a brain-computer interface

What is this study about:
We will be measuring your brain activity during motor imagery. These brainwaves can be used to operate a device or application.
We want to investigate how performance is affected in the presence of visual distractors, and whether we can account for distraction effects to improve the performance of this Brain-Computer Interface technology.

Who can participate?
We are looking to recruit adults with the following profile:

- Between the ages of 18 and 30
- Have typical motor control
- Have normal or corrected-to-normal vision
- Can communicate in English (written and oral)
- Have no health issues including epilepsy, seizures, drug or alcohol-related conditions, degenerative disorders, brain injury, and psychiatric disorders.

What's involved?
During each session, an electrode cap will be placed on your head, which will be used to record your brain activity.

- You will be asked to imagine moving your hand, and in some conditions, will be asked to continue this motor imagery task in the presence of distractors.
- **Each session will last about an hour**
- **Up to 6 sessions will be required**
- All sessions will be held at Holland Bloorview at convenient times to you.
- You will receive a **$25 gift card** each session as a token of appreciation for your participation

What are the benefits of participating?

- Your participation will help the development of Brain-Computer Interfaces as an access technology for persons with severe motor impairments.