BCI - tactile cursor task
Patrick Brewster, Cody Hock, Larry Flint, Alex Lanthier, and Mounia Ziat
Northern Michigan University
Darren Dow and Mike Hartman
Electrical Geodesics, Inc. (EGI)
mziat@nmu.edu

1 Abstract
This demonstration presents a tactile cursor task using a BCI (Brain-Computer Interface). The task will consist of mentally moving a cursor on the screen. The visitors will be invited to wear an EEG net (EGI system) and will be asked to put their finger on two Braille cells. They will be then asked to move the cursor based on the tactile stimulation. If the left cell is activated, the participants should think about moving the cursor to the left. If the right cell is activated, the participant would think about moving the cursor to the right. The BCI can predict the users’ intentions and move the cursor into the desired direction.

2 Representative Image: