

Materials List for:

# Measuring the Switch Cost of Smartphone Use While Walking

Gabrielle-Naïmé Mourra<sup>1</sup>, David Briegne<sup>1</sup>, Emma Rucco<sup>1</sup>, Élise Labonté-Lemoyne<sup>1</sup>, François Courtemanche<sup>1</sup>, Sylvain Sénécal<sup>1</sup>, Marc Fredette<sup>1</sup>, Ann-Frances Cameron<sup>1</sup>, Jocelyn Faubert<sup>2</sup>, Franco Lepore<sup>2</sup>, François Bellavance<sup>1</sup>, Pierre-Majorique Léger<sup>1</sup>

<sup>1</sup>HEC Montréal

<sup>2</sup>Université de Montréal

Correspondence to: David Briegne at [david.briegne@hec.ca](mailto:david.briegne@hec.ca)

URL: <https://www.jove.com/video/60555>

DOI: [doi:10.3791/60555](https://doi.org/10.3791/60555)

## Materials

Name	Company	Catalog Number	Comments
The Observer XT	Noldus		Integration and synchronization software: The Noldus Observer XT (Noldus Information Technology) is used to synchronize all behavioral, emotional and cognitive engagement data.
MediaRecorder	Noldus		Audio and video recording software
FaceReader	Noldus		Software for automatic analysis of the 6 basic facial expressions
E-Prime	Psychology Software Tools, Inc.		Software for computerized experiment design, data collection, and analysis
BrainVision Recorder	Brain Vision		Software used for recording neuro-/electrophysiological signals (EEG in this case)
Analyzer			EEG signal processing software
Qualtrics	Qualtrics		Online survey environment
Tapis Roulant	ThermoTread GT Office Treadmill		
Syncbox	Noldus		Syncbox start the co-registration of EEG and gaze data by sending a Transistor-Transistor Logic (TTL) signal to the EGI amplifier and a keystroke signal to the Tobii Studio v 3.2.
Move2actiCAP	Brain Vision		Add-on for a digital wireless system for EEG
iPhone 6s	Apple		
iMessage	Apple		
iPad	Apple		