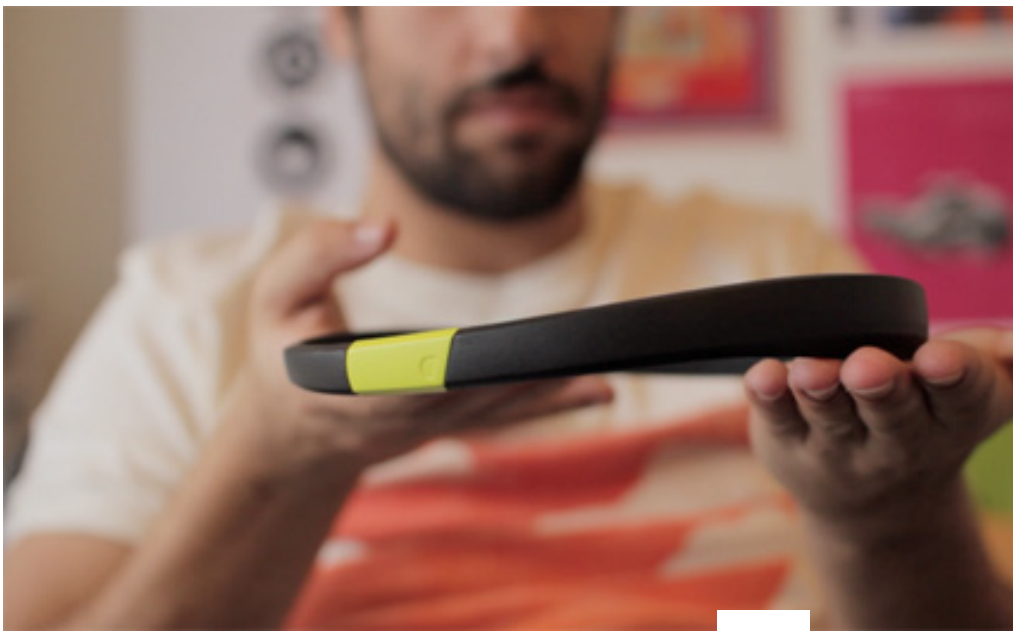


WEARABLE TECHNOLOGY DESIGN RESEARCH



PROTOTYPE HEADBAND TO RECORD BRAIN TRAUMA

This experimental brainBAND technology is being developed in Austrailia and has sensors to record the impact on players with concussions on the field. Its goal is to transmit data in real time to medics, coaches and referees.

1

MELON

This device gauges your brainwaves through electroen-cephalography (EEG). It connects to your mobile phone or tablet and shows you when you're most prone to concentrate using an app. Melon can be worn in a variety of situations (working, playing, studying, dancing) to track when you're most alert.

2

NEUROSKY MINDWAVE MOBILE EEG HEADSET

This wearable piece of technology uses a single EEG electrode to measure brainwaves. It has been avail-able for five years, but by next year, it is expected to be able to do everything from keeping wearers more calm, to letting them control light switches with mere thought.

3

1. <http://www.businesstimes.com.sg/technology/prototype-headband-to-track-athletes-suffering-concussion>

2. <http://gajitz.com/headband-measures-brainwaves-to-increase-concentration/>

3. <https://www.fastcoexist.com/3036390/how-i-wore-a-brainwave-reading-headset-for-a-week-and-learned-to-calm-my-mind>