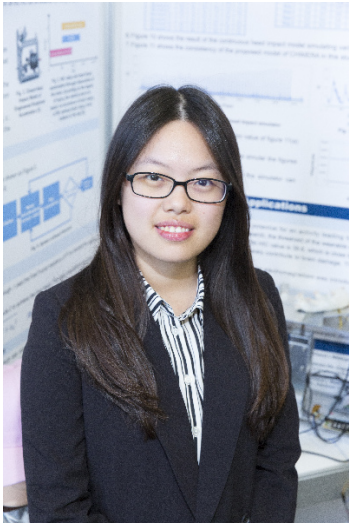


CWSF 2018 - Ottawa, Ontario



Wei-Ching Chen

A Wearable Mild Traumatic Head Injury Warning Device for Daily Activities

Challenge: International

Category: Senior

Region: Taiwan, R.O.C.

City: Taipei,

School:

Abstract: I developed a wearable mTBI warning device which can detect any movement that potentially causes damage to our brains. While most research focuses on mTBI caused by single impact, I designed a device that can produce multiple impacts to simulate continuous motion and evaluated the potential risk of mTBI.

Biography

Hello, my name is Wei Ching Chen, I am from Taiwan. The reason why I do this topic is because I like to dance, and when I practiced to dance in my dance club, I saw my classmate headbanging and wondered if the movement is risky for her brain or not. That inspired me to do this project.

Awards

Value

Gold Medal - International	
Sponsor: Youth Science Canada	
Total	\$0