

FACULTY MENTOR

Tse Nga Tina Ng

PROJECT TITLE

Objective Assessment of Motor Disorders

PROJECT DESCRIPTION

The project is to incorporate wearable sensors for objective assessment of motor disorders in children with cerebral palsy.

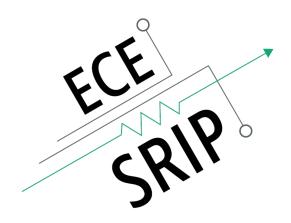
This project will be in person.

INTERNS NEEDED

1 Student

PREREQUISITES

• Experience with Matlab



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PROJECT TITLE

Understanding Cycle Life of Conducting Polymers as Anodes for High-Energy Supercapacitors

PROJECT DESCRIPTION

The goal of this proposal is to connect the electrochemical and mechanical properties of n-type conducting polymers in order to extend their redox stability for a new class of energy-dense, high-power supercapacitors. This project aims to understand the mechanisms that lead to capacitance fade and potentially solve major constraints on the operational lifetime and scalability of Faradaic energy storage materials.

This project will be in person.

INTERNS NEEDED

1 Student

PREREQUISITES

• Took Device Physics