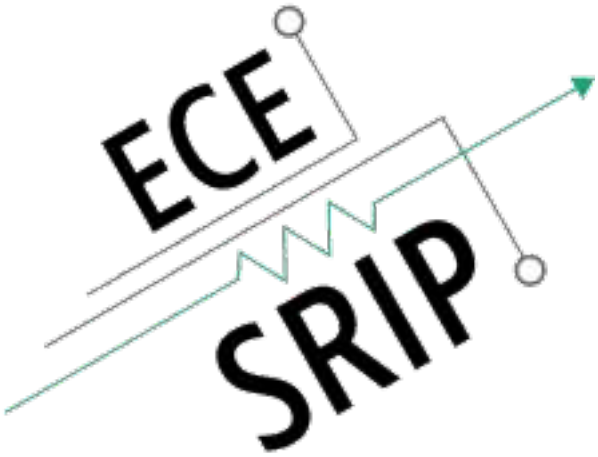


FACULTY MENTOR
Tina Tse Nga Ng

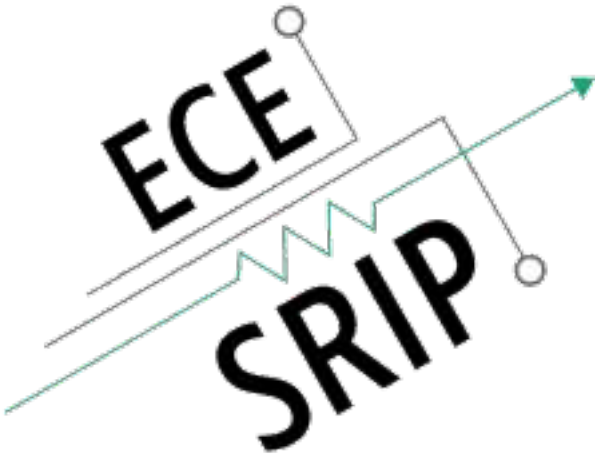
PROJECT TITLE
Developing High-Energy Supercapacitors

PROJECT DESCRIPTION
Description: The goal of this proposal is to connect the electrochemical and mechanical properties of 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
1. Motivated to do hands-on experiments, experience in Matlab/Labview



FACULTY MENTOR
Tina Tse Nga Ng

PROJECT TITLE
Recording Motor Disorders

PROJECT DESCRIPTION
Description: The project description is to incorporate wearable sensors for objective assessment of motor disorders. The student should have some prior experience with Adruino-type of programming electronics.

This project will be in person.

INTERNS NEEDED
1 Student

PREREQUISITES
1. Programming sensors in Arduino, Matlab