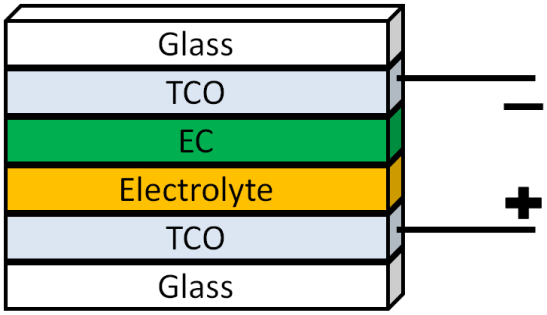
Project Title: Development of Electro/Photochromic (EPC) Sensor

Project Description:
This project involves the experimental work which includes the sol-gel/sputtering fabrication and measurement of the Electro/Photochromic (EPC) Sensor.

The successful realization of the EPC sensor will pave the way for the implementation of energy-saving smart windows for sensing and lighting for eco-residential and commercial building premises.

The proposed material and devices offer the possibility to significantly lessen the building energy usage by controlling heating, cooling, and lighting consumption with the EPC sensor.



Schematic of a basic EPC Sensor structure

Call for Research Officer/Research Assistant/Research Scholar (1 position)

Project Title: Development of Electro/Photochromic (EPC) Sensor

Source of Funding: TMR&D

Project Duration: 10 months (Nov 2018 – Aug 2019)

Monthly Salary: RM 2,000 (depending upon candidate's experience)

Location: Faculty of Engineering, MMU Cyberjaya

Benefits of the project (not limited to): Attending local conference(s) based on oneself effort in publication.

Responsibilities:

- To perform any relevant experimental work related to the proposed research project.
- To perform any relevant administrative work/purchasing matters as requested.
- Research and publication work.
- • Pursuing Master in Engineering Science (M.Eng.Sc.).

Requirements:

- Bachelor's degree with honours in Electrical/Electronic/Material Engineering discipline, preferably 2nd class or above.
- Good knowledge in electronics/nanotechnologies/materials.
- Good English proficiency.
- Self-motivated, requires minimal supervision, resourceful, keen to learn, possess good communication skills and able to work under pressure.

Interested applicants are requested to submit their resumes through email to

Assoc. Prof. Ir. Dr. Chan Kah Yoong (kychan@mmu.edu.my).