

## Call for Research Scholars

**Project Title:** Design, Fabrication and Proof Testing of Earth Electrode Performance with Various Configurations

**Source of Funding:** TMR&D

**Project Duration:** 2 Years (Dec 2018 – Nov 2019)

**Monthly Salary:** RM 1800 – 2500 (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:**

- Design & fabrication of new earth electrodes
- Testing in laboratory and at field sites.
- To perform the tests, measurements, analysis on the earthing systems.
- To prepare a complete technical data sheet for the subterranean electrode with spikes.
- To perform simulation to obtain the electric field profile of the electrodes with spikes, and conventional electrodes.
- To assist in arranging the tests to be conducted for the mechanical and civil labs, and to witness the tests.
- To do 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 Engineering discipline, preferably 2nd class or above.
- Good knowledge of high voltage and earthing systems.
- Good English proficiency.
- Self-motivated, requires minimal supervision, resourceful, keen to learn, possess good communication skills and able to work under pressure.
- Excellent attitude and able to work on its own

Interested applicants are requested to submit their resumes through email to Dr. Azwan Mahmud (azwan.mahmud@mmu.edu.my).