

Additional Vacancy

Recruiting of Postgraduate [Master in Science (M.Sc.)] Candidate

Collaboration Research Project

Between

Universiti Sains Malaysia (USM) and GF Technology Sdn Bhd

**We are accepting applications if you are
graduating soon (Q3 or Q4 of 2023).**

Research Title:

Nano-structuring of Optical Coating for Broadband and Wide-Angle Antireflective Application

Research Synopsis:

In the era of Internet-of-Things, demand of LiDAR or light detection and ranging device is escalating. This is an essential device in autonomous vehicle to communicate between vehicles based on light. Two major challenges must be resolved for this device to be used widely and efficiently, namely broader bandwidth and wider receiving angle of light. Therefore, to address these two challenges, objective of this research is to design a broadband and wide-angle of antireflective coating meant for this application. Different strategies based on two-dimensional nanostructures based on either glass or polymeric substrates will be investigated by using physical vapor deposition and dry etching techniques.

Duration: 1 – 2 years (Full-time Research Mode)

Research Venue:

- 10%: School of Materials & Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia, Malaysia.
- 90%: GF Technology Sdn Bhd, Bayan Lepas, Penang.

Introduction to Company: **GF Technology** is fully own by local and fully locally growth by 2 Technologists and entrepreneurs. We started off as a small injection company with 10 work force and until today we already growth to 300 workers with 2 manufacturing sides.

GF Technology is specialist in Vacuum Technology and produces high quality plastic lenses and filters for multiple industries.

We welcome young talented people to come and join us and help to growth our company to international level.

Funding Company: GF Technology Sdn Bhd
Plot 108, Kawasan Perindustrian Bayan Lepas 4,
Hilir Sungai Keluang 5, Mukim 12, Daerah Barat Daya,
11900 Bayan Lepas, Pulau Pinang, Malaysia

General Requirement:

- Malaysian ONLY
- Team player with critical thinking
- Good written and oral communication skill in English
- Hard working and independent

Academic Qualification: Bachelor's Degree (CGPA > 3.00)
Preferrable graduated from the following discipline:

- Applied Sciences (Physics)
- Materials Engineering and Materials Science
- Electronic Engineering
- Other related disciplines

Benefit:

- (1) Monthly Stipend = RM 2500/month for maximum 2 years
- (2) Fully cover tuition for maximum 2 years (RM 3700/semester x 4 semesters) and Thesis Examination fees (RM 750)

Interested Candidate May Contact:

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