

THE HONG KONG POLYTECHNIC UNIVERSITY
DEPARTMENT OF ELECTRONIC AND INFORMATION ENGINEERING

Post Title

Postdoctoral Fellow [Appointment Period: 36 months]

Duties

The appointee will participate in the R&D works of the following project:

(MRP/019/21X) High-Power-Density High-Efficiency On-Board Electric Vehicle Charger Based on Thermally Enhanced Silicon Carbide Power Module and Advanced Power Conversion Technologies

He/She will be required to:

- a) formulate solutions to research problems and verify them by simulations and experiments;
- b) develop functional hardware prototypes to meet a given set of specifications;
- c) publish high-quality research articles in high-impact journals;
- d) perform any other duties as assigned by the project leader.

Qualifications

Applicants should:

- a) have a doctoral degree in electrical/electronic engineering. Preference will be given to those who have strong background in power electronics and/or power semiconductor devices;
- b) have good experience in hardware development and testing;
- c) be well-organized, capable to work under pressure and able to handle multi-tasking assignments in a multidisciplinary team;
- d) have excellent interpersonal skills; and
- e) have a good command of written and spoken English.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Application

Please send a completed application form, together with a detailed curriculum vitae via email to kh.loo@polyu.edu.hk.

Applicants are invited to contact Dr Loo Ka Hong at tel no. 2766 4744 or email kh.loo@polyu.edu.hk for further information.

Dec 2021