

# THE HONG KONG POLYTECHNIC UNIVERSITY

## DEPARTMENT OF ELECTRICAL ENGINEERING

### Post Specification

**Full-time or Part-time Research Associate / Research Assistant / Intern (ten posts)**  
**[Appointment period: each for seventeen months]** (Ref. 17112105)

### Duties

The appointees will assist the project leader in the research project - "Research and development of a novel direct-drive linear-rotary motor and its application in industrial automation". They are required to conduct researches that lead to develop novel electric motors.

### Qualifications

For the post of **Research Associate**, applicants should have a master's degree or a good honours degree in Electrical Engineering, Computer Science, Computer Engineering or Applied Mathematics with at least three years of research / relevant work experience.

For the post of **Research Assistant / Intern**, applicants should have an honours degree in Electrical Engineering, Computer Science, Computer Engineering or Applied Mathematics, or an equivalent qualification.

For the above posts, applicants should:

- (a) have solid background in theory of electric machine and electromagnetic field;
- (b) have strong C++ programming skills to implement the algorithms to handle complicated applications; and
- (c) be able to complete projects on a timely basis with minimum supervision.

Preference will be given to those with research experience in electric machine design, electric machine control, developing computer programme for numerical computation of electromagnetic field and software architecture.

Applicants are invited to contact Prof. Weinong Fu at tel. no. 2766 6158, fax no. 2330 1544 or email [ewnfu@polyu.edu.hk](mailto:ewnfu@polyu.edu.hk) for further information.

### Remuneration

For full-time appointments, a highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

For part-time appointments, the remuneration rates of Research Associate, Research Assistant and Intern posts are HK\$159 per hour, HK\$111 per hour and HK\$90 per hour respectively.

21 November 2017