

# THE HONG KONG POLYTECHNIC UNIVERSITY

## DEPARTMENT OF MECHANICAL ENGINEERING

### Post Specification

- 1) **Professor / Associate Professor / Assistant Professor in Aeronautical Engineering** (Ref. 12011413)
- 2) **Professor / Associate Professor / Assistant Professor in Aviation** (Ref. 12011414)

The Department of Mechanical Engineering is one of the five academic units in the Faculty of Engineering. It offers a wide range of programmes, at both undergraduate and postgraduate levels, over a large spectrum of topics including product analysis and design, environmental technology and transportation, aerospace and aviation, design and manufacturing, computer aided engineering design, *etc.* To underpin teaching, the Department is presently engaged in the following research areas: combustion and pollution control, fluid-structure interactions, materials and mechanics, sound and vibration, and product design and development. Please visit the website at <http://www.me.polyu.edu.hk> for more information about the Department.

### Duties

The appointees will be required to:

- (a) teach at undergraduate and postgraduate levels;
- (b) conduct research that leads to publications in top-tier refereed journals and awards of research grants;
- (c) undertake research, programme/curriculum development and administration;
- (d) supervise student projects and theses;
- (e) engage in industrial and scholarly research/consultancy activities; and
- (f) undertake academic and departmental administrative duties.

Appointees at Professor/Associate Professor level will be required to take an active leadership role in the Department.

### Qualifications

Applicants should have:

- (a) a PhD degree in relevant disciplines, plus substantial years of experience in teaching and research;
- (b) good teaching and publication records or management experience in the industry;
- (c) a good network to facilitate the development of high-level applied research collaborations/consultancy projects between PolyU and reputable institutions/organizations and industry; and
- (d) excellent communication skills and the ability to use English as the medium of instruction.

Applicants who have extensive and successful research or publication records, proven experience in programme/curriculum development and substantial years of experience in teaching/administration/industry will be considered for appointment at the level of Associate Professor. Applicants for appointment at Professor level should have proven experience in securing or raising research funds from the government or industry, outstanding achievements in research and scholarship as well as an excellent reputation as a leading scholar.

### **Remuneration and Conditions of Service**

A highly competitive remuneration package will be offered. Initial appointments for Assistant Professor will be on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. An appropriate term will be provided for appointment at Associate Professor and Professor levels. Applicants should state their current and expected salary in the application.

12 January 2012