

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF MECHANICAL ENGINEERING

Post Specification

Professor / Associate Professor / Assistant Professor in Control, Acoustics and Dynamics (Ref. 21112210)

The Department of Mechanical Engineering (ME) is one of the three founding departments of the University since 1937 and one of the seven academic units in the Faculty of Engineering. Its world-class faculty and internationally reputed programmes draw students from across the globe. It offers academic programmes at both undergraduate and postgraduate levels, over a large spectrum of topics including combustion and pollution control, fluid-structure interactions, materials and mechanics, sound and vibration, control and robotics, clean energy technologies, aeronautical engineering, product design and development. Please visit the website at <http://www.polyu.edu.hk/me> for more information about ME.

Duties

The appointee 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;
- (f) undertake academic and departmental administrative duties; and
- (g) perform any other duties as assigned by the Head of Unit or his/her delegates.

Qualifications

Applicants should have:

- (a) a PhD degree in a relevant discipline;
- (b) relevant post-qualification experience and a good track record of research in but not limited to one or more of following areas:
 - (i) general areas of acoustics such as physical acoustics, vibro-acoustics, aero/thermo-acoustics, nonlinear acoustics, electro-acoustics, etc;
 - (ii) noise control engineering with industrial, civil, environmental and aeronautical applications;
 - (iii) acoustic meta-materials and structures for wave manipulation; or
 - (iv) control of vibration and dynamic systems;
- (c) strong commitment to excellence in teaching and research;
- (d) good publication records;

- (e) good networking ability; and
- (f) excellent communication skills and the ability to use English as the medium of instruction.

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Initial appointment 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 / Professor levels. For general information on terms and conditions for appointment of academic staff in the University, please visit the website at <https://www.polyu.edu.hk/hro/docdrive/careers/doc/Prof.pdf>. Applicants should state their current and expected salary in the application.

Application

Please send a completed application form by post, nominate three referees from different institutions/organisations by providing their names, addresses and relationship with the applicants, to **Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong** or via email to hrstaff@polyu.edu.hk. Application forms can be downloaded from https://www.polyu.edu.hk/hro/careers/guidelines_and_forms/forms. If a separate curriculum vitae is to be provided, please still complete the application form which will help speed up the recruitment process. **The closing date for application is Monday, 21 November 2022.** The University's Personal Information Collection Statement for recruitment can be found at https://www.polyu.edu.hk/hro/careers/guidelines_and_forms/pics_for_recruitment.

Revised on 2 March 2022