

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF MECHANICAL ENGINEERING

Post Specification

Research Assistant Professor (two posts) (Ref. 20052703)

The Department of Mechanical Engineering 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 the Department.

Duties

The appointee will be required to:

- (a) conduct research as the main duty and actively pursue external research grants, such as General Research Fund, as Principal Investigator or Co-Investigator;
- (b) provide quality teaching at undergraduate or postgraduate level;
- (c) contribute to departmental service; and
- (d) perform any other duties as assigned by the Head of Department or his/her delegates.

Qualifications

Applicants should:

- (a) have a doctoral degree in a related discipline;
- (b) have relevant post-qualification experience and a good track record of research in but not limited to one or more of the following areas:
 - Mechanics and Materials (advanced structure materials & smart manufacturing including 3D printing);
 - Control, Acoustics and Dynamics (robotics & AI, noise & vibration control, structure health monitoring); and
 - Thermofluids and Combustion (aeronautical engineering, combustion and pollution control);
- (c) have demonstrated promise of a high level of creative ability in research and teaching in some subdivisions of his/her field;
- (d) be able to demonstrate effective classroom teaching skills; and
- (e) be highly proficient in written and spoken English.

[Applicants who have responded to the previous advertisement(s) need not re-apply.]

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Appointment will only be on a fixed-term gratuity-bearing contract. Applicants should state their current and expected salary in the application.

27 May 2020