

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF BUILDING ENVIRONMENT AND ENERGY ENGINEERING

Post Specification

Assistant Professor in Building Energy / Building Environment / Building Safety and Resilience (two posts) (Ref. 22050620)

The Hong Kong Polytechnic University (PolyU) is one of the world's leading institutions of Higher Education and provides exceptional research, teaching and living environments in one of the world's greatest cities. The Department of Building Environment and Energy Engineering (BEEE) contributes to PolyU's world ranking of 18th in QS 2021 in the subject area of Architecture and Built Environment and 21st in the subject area of Civil and Structural Engineering. BEEE currently leads the "quality of research performance and of research postgraduate experience". BEEE is one of the constituent departments of the Faculty of Construction and Environment, and offers a full range of programmes leading to the awards of Doctor of Philosophy, Master of Philosophy, Master of Engineering, Master of Science and Bachelor of Engineering. Currently there are 44 research staff and 83 research students (82 studying for PhD), over 350 full-time / part-time Master's students, an undergraduate student body of over 300 full-time students, and a sub-degree student body of over 100 full-time students. BEEE currently has 28 full-time academic / teaching staff members engaging in a wide range of research activities organized in the following three themes:

Building Energy: Energy issues in buildings addressed in the context of both demand and supply to promote sustainable built environments.

Building Environment: Optimisation of buildings and built environments for thermal comfort, indoor air quality, visual/spatial and vibration/acoustic aspects to improve occupant health and productivity.

Building Safety and Resilience: Protection of building occupants from hazards, such as fire and lightning to improve safety and resilience of communities, buildings and built environments.

The University and the Department strongly encourage a multi-cultural environment regarding both the staff and student body composition. Please visit the website at <https://www.polyu.edu.hk/beee/> for further information about the Department.

BEEE is seeking internationally excellent candidate(s) with exceptional track record of research and scholarship in any of the aforementioned themes with preference to candidates demonstrating a strong and individualistic vision of the challenges facing modern urban environments and the opportunities afforded by emerging technologies to address them.

Duties

The appointees will be required to:

- (a) undertake teaching duties at various levels;
- (b) supervise undergraduate and postgraduate research projects and theses;
- (c) conduct research in related areas and contribute to the development of the Department's research strength;
- (d) initiate, lead and participate in scholarly research in his/her area of expertise and be active in research leading to quality journal publications and in bidding for external research grants and applied research projects;

- (e) engage in programme / curriculum planning, administration and development;
- (f) provide leadership in developing a programme, a subject discipline or a research programme, etc.;
- (g) undertake relevant administrative duties; and
- (h) perform any other duties as assigned by the Head of Unit or his/her delegates.

Qualifications

Applicants should:

- (a) have a doctoral degree in an appropriate related discipline;
- (b) have strong commitment to excellence in teaching and research;
- (c) be able to demonstrate effective classroom teaching skills and have good interpersonal skills;
- (d) have an excellent command of English;
- (e) have an excellent record of research and scholarship commensurate with their experience; and
- (f) demonstrate good potential in bidding for research grants as well as in establishing significant externally funded research programmes.

The applicants should demonstrate strong potential to be internationally prominent through a track record of excellent research. They should contribute to the development and delivery of degree programmes; should demonstrate the ability to teach in engineering design relevant to their technical specialization; and should have been involved in major research projects.

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Initial appointments will be on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. 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. **Consideration of applications will commence on 6 June 2022 until the positions are filled.** 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.

6 May 2022