

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF BUILDING AND REAL ESTATE

Post Specification

Postdoctoral Fellow / Research Associate / Research Assistant

[Appointment period: twelve months initially, with possibility of further appointment] Duties

The appointee will assist the project leader in the research project - “Smart noise logger-based leak diagnosis system”. He/She will be required to:

- (a) perform research task as required for the project;
- (b) undertake training on specific scientific skill for utilization in the project;
- (c) supervise, maintain and uphold the smooth running of the data collection; and
- (d) perform any other duties as assigned by the project leader.

Qualifications

Applicants for the **Postdoctoral Fellow** post should have a doctoral degree or an equivalent qualification in Construction Engineering, Construction Management, or Civil Infrastructure Management. Possesses track record of publications and /or professional activities in the field.

Applicants for the **Research Associate** post should have a master’s degree or an equivalent qualification in Construction Engineering, Construction Management, or Civil Infrastructure Management.

Applicants for the **Research Assistant** post should have an honours degree or an equivalent qualification in Construction Engineering, Construction Management, Civil Infrastructure Management, or Civil Engineering.

Applicants should also:

- (a) have at least two years of research/relevant experience in Construction Engineering, Construction Management, or Civil Infrastructure Management;
- (b) have basic knowledge of coding such as C#, C++, Java;
- (c) Knowledge on signal processing, acoustic or vibration, is a plus. Previous experience on dealing with noise loggers, micro-electro-mechanical-sensors (MEMS), or hydrophones is a plus.
- (d) have strong analytical skills, good interpersonal and communication skills;
- (e) be highly motivated, committed and can work independently; and
- (f) have a good command of both written and spoken English and Chinese is a plus.
- (g) have high level of English technical writing proficiency.

Applicants are invited to contact Prof. Tarek Zayed at tel no. 2766 5812 or email tarek.zayed@polyu.edu.hk for further information.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

17 October 2019