

THE HONG KONG POLYTECHNIC UNIVERSITY

OFFICE OF FACULTY OF CONSTRUCTION AND ENVIRONMENT

Post Specification

Postdoctoral Fellow (two posts) (Ref. 17122810)

[Appointment period: each for twenty-four months]

The Beijing Municipal Government and The Hong Kong Polytechnic University (PolyU) have signed an MoU to collaborate in a wide range of areas. Among other things, research collaboration into sustainable urban development has been identified as the key area for collaboration. To pursue this area of strategic importance to the city's development, Beijing Municipal Government has designated Beijing University of Technology (BJUT) to collaborate with the Faculty of Construction and Environment (FCE) in PolyU. A research programme entitled "Sustainable Development in High Density Cities" with the following six interrelated projects has been identified as the priority area for collaboration. The programme and its embodied projects are closely related to the development of high density cities. They also cover areas where both Beijing and Hong Kong face serious challenges in their recent development and have been assigned with top priority by the cities' government.

- Urban Air Pollution
- Urban Sewage Treatment
- Urban Hazards Prevention and Mitigation
- Low Carbon Construction
- Smart City
- Urban Smart Transportation

Duties

The appointees will participate in the "**Urban Smart Transportation**" theme under the joint research directive "Sustainable Development in High Density Cities" between PolyU and BJUT. They are required to station in Hong Kong and Beijing for approximately one year each.

Qualifications

Applicants should have:

- (a) a doctoral degree in Translation Engineering or a related discipline and must have no more than three years of post-qualification experience at the time of application; and
- (b) good knowledge of mathematics, statistics and computer programming.

Preference will be given to those with experience in Intelligent Transportation Systems (ITS) development, transport modelling and/or Geographic Information System (GIS).

Applicants are invited to contact Ms Bo Lin at tel no. (852) 3400 2989 or email bo.lin@polyu.edu.hk for further information.

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application. Successful candidates will be employed solely and directly by BJUT for the first year of appointment, and by PolyU for the second year of appointment subject to review and mutual agreement.

The personal data in relation to the job applications will be used by PolyU and BJUT (the Universities) to assess the suitability of the applicants for assuming the post, and to determine the remuneration and benefits package, if applicable. It may be provided to departments/offices of the Universities, and/or any internal/external assessors where applicable, authorised by the Universities to process the information for purposes relating to the collection of such information.

28 December 2017