

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF BUILDING SERVICES ENGINEERING

Post Specification

- (1) **Research Fellow / Postdoctoral Fellow (two posts)** (Ref. 19091721)
[Appointment period: each for twelve months]
- (2) **Research Associate** (Ref. 19091722)
[Appointment period: twelve months]

Duties

The appointees will assist the project leader in the research project - “SureFire: Smart urban resilience and firefighting”. They will be required to develop big data analytics framework and methods for smart buildings and smart cities, and develop real-time fire forecasting models by adopting a data-driven approach.

Qualifications

Applicants for the **Research Fellow** post should have a doctoral degree plus at least three years of postdoctoral research experience or equivalent qualifications and experience.

Applicants for the **Postdoctoral Fellow** post should have a doctoral degree or an equivalent qualification and must have no more than three years of post-qualification experience at the time of application.

Applicants should also have rich research and application experience in the field of mathematics, data science, computing science or building physics and engineering, with focus on big data analytics, data mining and machine learning or high performance computing.

Applicants for the **Research Associate** post should have a master’s degree in the field of Mathematics, Data Science, Computing Science or Building Physics and Engineering or an equivalent qualification, with focus on big data analytics, data mining and machine learning or high performance computing.

Preference will be given to those with hands-on experience in big data analytics and development of data-driven predictive models.

Applicants are invited to contact Dr Xiao Fu at tel no. 2766 4194, fax no. 2765 7198 or email linda.xiao@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 September 2019