

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF COMPUTING

Post Specification

Postdoctoral Fellow / Research Associate / Research Assistant (Full-time/Part-time) (five posts)
[Appointment period: each for one to twelve months initially, with possibility of further appointment] (Ref. 19092501)

Duties

The appointees will assist the project leader in the research project - “SureFire: smart urban resilience and firefighting”. They will be required to:

- (a) conduct innovative research projects that lead to publications in top-tier refereed journals and/or awards of research grants;
- (b) assist in the laboratory and tutorial sessions, as well as supervision of students’ assignments and projects in the related research areas;
- (c) assist in planning, implementing and maintaining the research and teaching infrastructure for the Department; and
- (d) perform any other duties as assigned by the project leader or his delegates.

Qualifications

For the post of **Postdoctoral Fellow**, applicants should have a doctoral degree in a related field 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 a proven track record in research publication and experience.

For the post of **Research Associate**, applicants should have a master’s degree or a good honours degree with three or more years of research/relevant work experience.

For the post of **Research Assistant**, applicants should have an honours degree or an equivalent qualification.

For all the above posts, applicants should also:

- (a) have relevant knowledge of or experience in:
 - (i) communications, particularly MIMO, mmWave, 5G and/or UWB;
 - (ii) computer networks, particularly wireless sensor networks and/or edge/cloud computing;
 - (iii) robotics, particularly UAVs, smart vehicles and/or SLAM;
 - (iv) OS kernel and/or computer hardware; or
 - (v) software engineering related technologies, particularly compiler, symbolic execution, programme analysis and/or model checking.
- (b) have a good command of both written and spoken English;
- (c) have good communication and interpersonal skills; and
- (d) be mature and able to work independently.

Applicants are invited to contact Dr Wang Qixin at tel no. 2766 7266, fax no. 2774 0842 or email csqwang@comp.polyu.edu.hk for further information.

Remuneration

For full-time appointments, a highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

For part-time appointments, the remuneration rates for the posts of Postdoctoral Fellow, Research Associate and Research Assistant are HK\$351 per hour, HK\$167 per hour and HK\$117 per hour respectively.

25 September 2019