

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF COMPUTING

Post Specification

(1) **Postdoctoral Fellow** (Ref. 18103007)

(2) **Full-time or Part-time Research Assistant (several posts)** (Ref. 18103008)

[Appointment period: each for six to twelve months initially, with possibility of further appointment]

Duties

The appointees will assist the project leader in the research project - “Data aware task allocation for collaborative edge computing”. They will be required to:

- (a) study the fundamental problems for edge computing;
- (b) design and implement the prototype of the edge mesh network;
- (c) evaluate and validate the performance of proposed methods and algorithms through theoretical analysis and real-world implementation; 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) a doctoral degree or an equivalent qualification in Computer Science, Electronic Engineering, Information Technology or a related field and must have no more than three years of post-qualification experience at the time of application;
- (b) theoretical background of and a good track record in edge computing, networking, distributed computing and mobile computing; and
- (c) hands-on experience in C and Java network programming or other system implementation.

For the post of **Research Assistant**, applicants should:

- (a) have an honours degree or an equivalent qualification in Computer Science or a related field;
- (b) have skillful hands-on experience in C, C++, Java and Python programming etc; and
- (c) be mature and able to work independently.

For both posts, applicants should also have:

- (a) a good command of English; and

(b) good communication and interpersonal skills.

Preference will be given to those with research and/or project development experience.

Applicants are invited to contact Prof. Jiannong Cao at tel no. 2766 7275, fax no. 2774 0842 or email jiannong.cao@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 rate for Research Assistant is HK\$117 per hour.

30 October 2018