



THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF ELECTRICAL ENGINEERING

Post Specification

Postdoctoral Fellow / Research Associate

[Appointment period: twelve months initially, with possibility of extension]

Duties

The appointee will assist the PI and co-Is in the research project – “Next-generation solutions for traffic safety and information security in the era of smart transportation”. We have a team consisting of junior and senior professors in traffic and transit operations, traffic safety, telecommunication, and information security and privacy. He/She is expected to do:

- (a) literature review;
- (b) collaborative research in the area of smart transportation that can potentially lead to publications in top-tier journals in the transportation field; and
- (c) proposal preparation.

Qualifications

Applicants should have a doctoral degree in Transportation Systems Engineering, Electrical Engineering, Data Science, or a related discipline.

For the post of **Postdoctoral Fellow**, applicants should also have no more than three years of post-qualification experience at the time of application.

Preferences will be given to those with research experience and journal-quality publications in at least one of the areas in: i) traffic operations and traffic flow theory; ii) transit operations; iii) traffic safety; iv) data analytics; and v) communication networks.

Applicants are invited to contact Dr. Weihua Gu (email: weihua.gu@polyu.edu.hk) for further information. Please also refer to his webpage at <http://www.mypolyuweb.hk/w1981gu/>.

Remuneration

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