

THE HONG KONG POLYTECHNIC UNIVERSITY
Department of Electronic and Information Engineering

We are looking for highly motivated **Research Assistant/Research Associate** who is interested in research in wireless communications and networking, vehicle-to-everything (V2X), intelligent transportation systems (ITS), and connected autonomous vehicles for a research project funded by the Faculty of Engineering on **The Digital Twin for Management of Connected Autonomous Transport Systems**

Prospective candidates should have:

- Completed a Masters and/or Bachelor degrees from a top university in one of the following fields: electrical and electronic engineering, computer science, information engineering, transportation engineering, applied mathematics, or other related fields.
- Applicants must have a first class or good second upper class honors degree or equivalent in their undergraduate degree.
- Proficient in English and with good writing skills.
- Good analytical, math and programming skills (e.g., C/C++, Python, Matlab, etc.).
- Knowledge and experience in network simulators (e.g., NS-3, OMNET++, etc.) and/or transport simulators (e.g., SUMO, Aimsun, etc.) is a preference.

The position is expected to start in March 2021 or until the position is filled. The duration of the contract will be 12 months. Renewable subject to performance and availability of funding. The appointee is expected to conduct research and development of the digital twin (joint communication and transport simulator with human interaction), publish in top journals and scientific conferences, and prepare a research proposal for large-scale collaborative grants.

Applicants please send your cover letter, resume, transcripts, certificates, and [HR form 7A](#) to Dr Ivan W. H. Ho at ivanwh.ho@polyu.edu.hk. A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.