



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

FACULTY OF CONSTRUCTION AND ENVIRONMENT
DEPARTMENT OF LAND SURVEYING AND GEO-INFORMATICS
建設及環境學院
土地測量及地理資訊學系

CALL FOR APPLICATIONS

Post Specification: Hong Kong PhD Fellowship Scheme (HKPFS) 2021/22

Location: Hong Kong

Principle Investigator: Yang Xu, Assistant Professor, LSGI (<https://yangxu-git.github.io>)

The Department of Land Surveying and Geo-Informatics (LSGI) at the Hong Kong Polytechnic University is seeking exceptional candidates to fill the HKPFS positions in the area of urban informatics and big data analytics. The awardee will have opportunities to study in one of the following areas or beyond:

- (1) Human mobility mining and modeling based on large-scale urban datasets
- (2) Artificial intelligence & deep learning for smart city applications
- (3) Transport modelling and agent-based simulations
- (4) Complex systems and computational social science

QUALIFICATIONS:

- A bachelor's degree or higher in a related discipline. Candidates with strong mathematical and programming skills are especially welcome.
- Experiences in academic research & Good written and communication skills.
- Practical skills in mainstream GIS software (e.g., ArcGIS, QGIS) are welcome. Experiences in trajectory data mining and deep learning are a strong plus.
- English language requirements: An overall score of at least 6.5 in the International English Language Testing System (IELTS), or a TOEFL score of 80 or above for the Internet-based test or 550 or above for the paper-based test.

BENEFITS

The awardee will be provided with a monthly stipend of HK\$26,000, a tuition waiver, and a conference and research related travel allowance of HK\$13,300 per year for a maximum of three years.

For interested applicants, please contact Dr. Yang Xu at yang.ls.xu@polyu.edu.hk. The applicants should also attach a CV, detailing relevant research experiences, and publications if any.