

POSITIONS OPENING

Post Specification: Research Assistant / Postdoctoral Fellow in Urban Analytics

Location: Hong Kong

Principle Investigator: Yang Xu, Assistant Professor, LSGI

The Department of Land Surveying and Geo-Informatics (LSGI) at the Hong Kong Polytechnic University is seeking exceptional candidates to fill Research Assistant & Postdoctoral Fellow positions in the area of urban informatics and big data analytics. The appointees will assist the project leader in one or more of the following areas:

- (1) Trajectory data mining and knowledge discovery
- (2) Transport modelling and agent-based simulations
- (3) Artificial intelligence & deep learning for smart city applications
- (4) Complex networks and computational social science

QUALIFICATIONS:

Applicants for the **Postdoctoral Fellow** post should have a doctoral degree or an equivalent qualification in a related discipline. Applicants for the **Research Assistant** post should have an honours degree or an equivalent qualification in a related discipline. Candidates with master or Ph.D. degree, and those with strong mathematical and programming skills are especially welcome.

- Experiences in academic research & Good written and communication skills (in English).
- Practical skills in Python and mainstream GIS software (e.g., ArcGIS, QGIS) are expected. Candidates with experiences in spatial databases (e.g., PostGIS) and web-based visualization (e.g., deck.gl, D3.js, Leaflet) are a plus.
- Experiences in trajectory data mining and deep learning are a strong plus.

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.