



# Laboratory for Smart City and Spatial Big Data Analytics

## 智慧城市與空間大數據分析實驗室



### Missions of the laboratory:

- Developing key technologies for Smart City, including spatial big data analytics and modelling, smart navigation and mobility, and urban sensing and computing
- Proposing smart city solutions for Hong Kong and Greater Bay Area, covering the areas smart mobility, smart environment, smart people, and smart governance
- Providing consultancy support to Hong Kong SAR Government on strategy and policy on Smart City development

### 實驗室使命:

- 開發智慧城市的關鍵技術,包括空間大數據分析和建模,智慧導航和移動以及城市感知計算
- 為香港和大灣區提出智慧城市解決方案,涵蓋智能交通,智慧環境,智慧市民和智慧治理等領域
- 為香港特區政府提供有關智慧城市發展策略和政策的諮詢建議



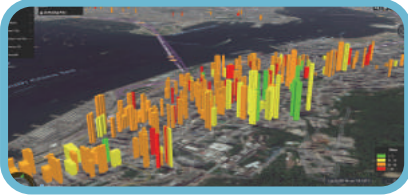
3D Spatial Data Infrastructure: A Foundation for Smart City Development

三維空間數據基礎設施：智慧城市發展的基礎



## Smart Economy

### 智慧經濟



Housing Price Distribution in 3D  
三維視角展示地區樓價分佈



## Smart Mobility

### 智慧出行



Logistics Dynamics  
物流車隊動態分析



## Smart Environment

### 智慧環境

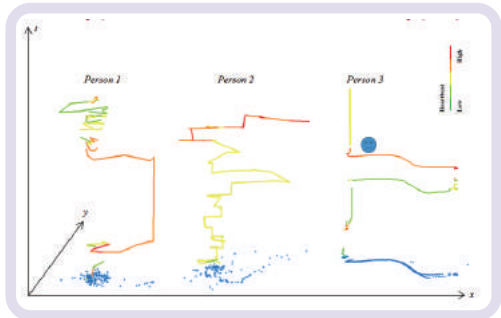


Urban Heat Island Analysis  
Based on Satellite Images  
以衛星圖像分析城市熱島效應



## Smart Living

### 智慧生活



Mobility Behaviour  
of the Elderly  
長者移動模式



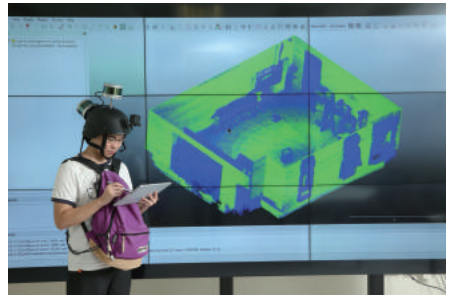
## Research Facilities



- Territory-wide 3D Geo-Database Framework
- Spatial Big Data Analytics Server
- Smart City 3D Analytics and Visualization System
- Virtual Reality Visualization Platform

## 實驗室設備

- 智慧城市三維空間數據庫(全香港)
- 空間大數據數據庫及分析伺服器
- 智慧城市三維空間分析展示與分析系統
- 虛擬實境(VR)展示系統



### Laboratory for Smart City and Spatial Big Data Analytics

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### 智慧城市與空間大數據分析實驗室

#### Z座 ZN607室

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