

RECENT INTERNATIONAL AWARDS

獲獎情況

- Gold Medal at 2021 Inventions Geneva
- 2021 Smart 50 Awards (US) by Smart Cities Connect
- The Founder's Award 2020 by International Spatial Accuracy Research Association



BOOK FOR URBAN INFORMATICS

相關書籍

- 680,000 chapter downloads since April 2021
自2021年4月起章節下載68萬次
- Reference Book of Massachusetts Institute of Technology
麻省理工學院參考教材



INTERNATIONAL JOURNAL

國際期刊

- International Journal of Urban Informatics



INTERNATIONAL CONFERENCE AND SOCIETY

國際會議與專業團體



Contact us

Otto Poon Charitable Foundation Smart Cities Research Institute

Location: Room ZS1010, 10/F, South Wing, Block Z,
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

Email: info.scri@polyu.edu.hk
Tel: (852) 3400-3872



<https://www.polyu.edu.hk/scri/>

Otto Poon Charitable Foundation Smart Cities Research Institute

潘樂陶慈善基金智慧城市研究院



INTRODUCTION

簡介

Otto Poon Charitable Foundation Smart Cities Research Institute(SCRI) provides an interdisciplinary platform for experts to develop an international leading area in Smart Cities by capitalizing on existing interdisciplinary research strengths, including but not limited to departments of Faculty of Construction and Environment, Faculty of Engineering, Faculty of Applied Science and Textiles, and Faculty of Business with including other research institutes. To respond to the current gap of the unique traffic characteristics of Hong Kong, the SCRI first initiates a pilot research on smart mobility. As an internationally leading center of excellence in smart mobility, the proposed research framework aims to develop a three-year strategic plan, including 12 research itheemes.

為在智慧城市領域開展國際領先的研究，香港理工大學潘樂陶慈善基金智慧城市研究院（SCRI）為該領域專家提供了一個跨學科平臺，利用現有的跨學科研究優勢，包括但不限於建築與環境學院、工程學院、應用科學及紡織學院、工商管理學院，以及其他研究機構。為應對香港獨特的交通特點，SCRI推出首個關於智慧交通的前導研究。作為智慧移動領域的國際領先中心，該研究框架旨在制定一項為期三年的戰略計畫，並包括十二項研究主題。



2018.3: Foundation of Laboratory for Smart City and Spatial Big Data Analytics, PolyU 香港理工大學智慧城市與空間大資料分析實驗室成立



2019: Otto Poon Charitable Foundation Endowed Professorship in Urban Informatics 獲潘樂陶慈善基金捐助城市資訊學教授席



2020.5: Foundation of Smart Cities Research Institute 香港理工大學智慧城市研究院成立



2021.10: Naming Ceremony of the Otto Poon Charitable Foundation Smart Cities Research Institute 更名為潘樂陶慈善基金智慧城市研究院

VISION

願景

To be a centre of excellence in urban informatics worldwide and a living laboratory of Smart City development for Hong Kong and the Guangdong-Hong Kong-Macao Greater Bay Area (GBA). 成為國際城市資訊學領域的卓越研究中心，以及香港和粵港澳大灣區智慧城市建設的實驗室。

MISSION

使命

- To develop cutting-edge Smart City technologies; 研發智慧城市的尖端技術；
- To translate the developed technologies to industry; 將所研發的技術應用於工業界；
- To provide and demonstrate Smart City solutions to Hong Kong and the GBA. 為香港和粵港澳大灣區提供智慧城市解決方案。

RESEARCH AREA

研究領域

Smart Government

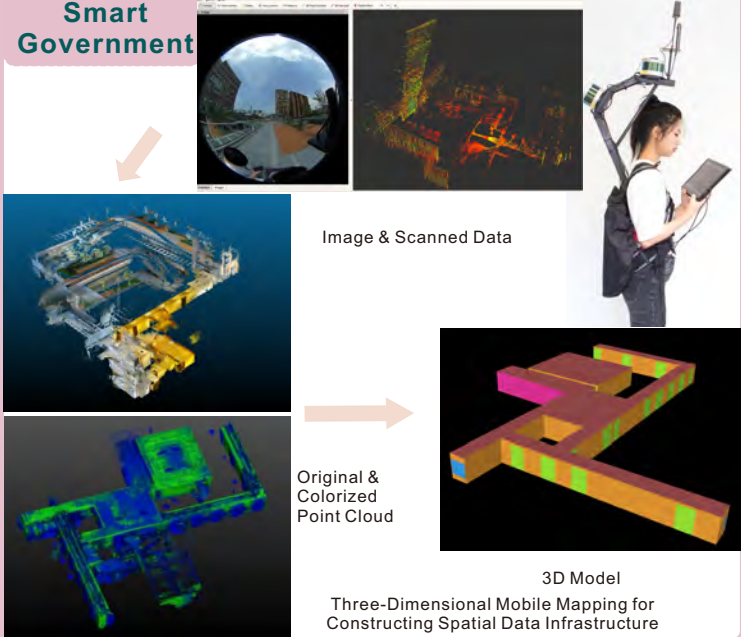


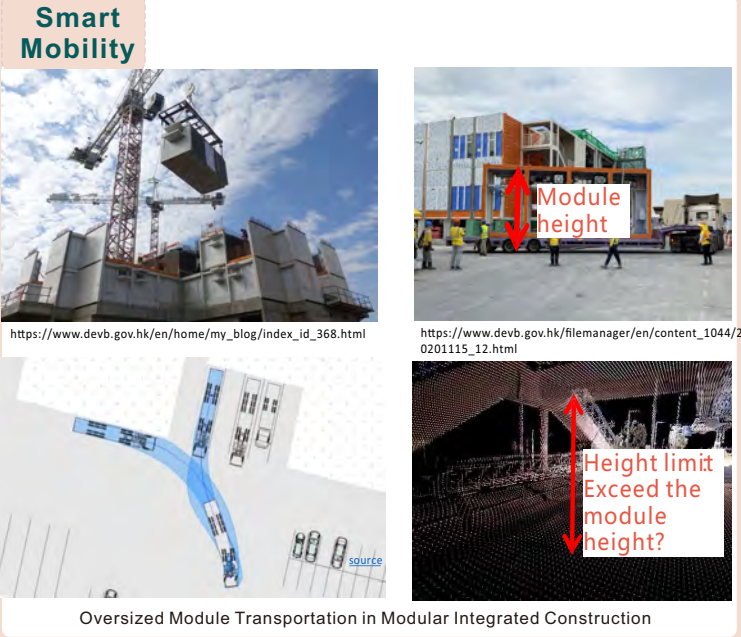
Image & Scanned Data

Original & Colored Point Cloud

3D Model

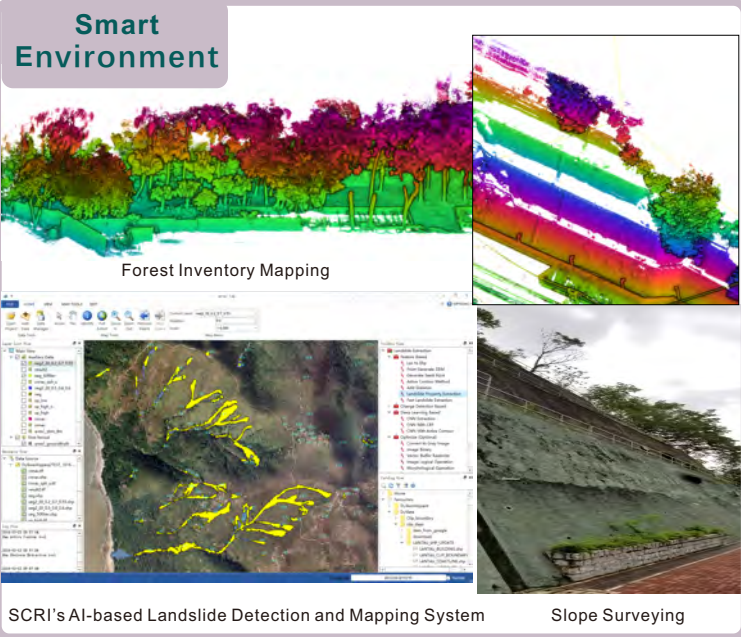
Three-Dimensional Mobile Mapping for Constructing Spatial Data Infrastructure

Smart Mobility



Oversized Module Transportation in Modular Integrated Construction

Smart Environment




Forest Inventory Mapping

SCRI's AI-based Landslide Detection and Mapping System

Slope Surveying

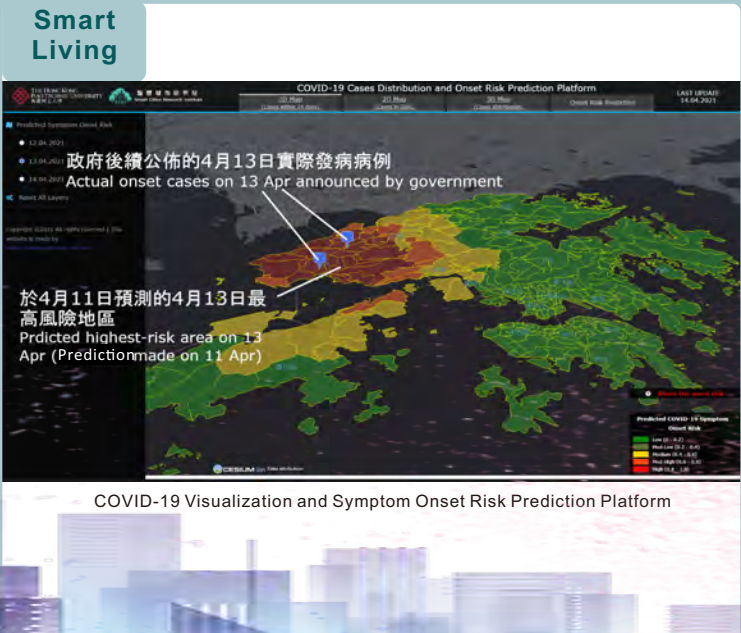
Smart People



Summer Programme for Secondary School Student

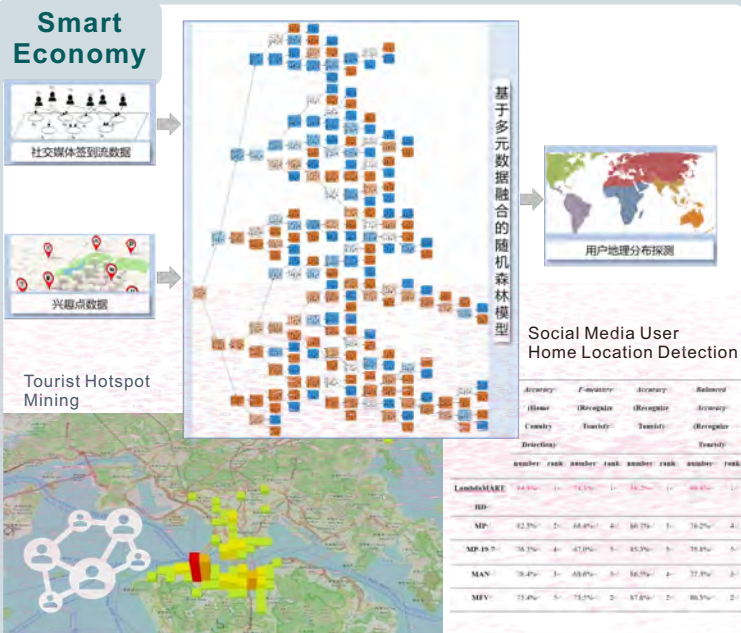
Smart City Technology Exhibition at City Gallery

Smart Living



COVID-19 Visualization and Symptom Onset Risk Prediction Platform

Smart Economy



Social Media User Home Location Detection

Tourist Hotspot Mining