

SILVER

iLab@HKU: The finest lab that catalyses construction digital transformation



INTRODUCTION OF THE ORGANISATION

iLab was formally established as a research lab in 2016 with the support of a HKU development fund. Affiliated to the Faculty of Architecture of HKU, iLab is positioned as an urban big data lab to take the opportunities and challenges as instigated by the global visions of Smart City and Industry 4.0. It has made significant breakthroughs in modernising the construction industry in Hong Kong and beyond by devoting to:

- (1) world leading R&D in BIM, smart construction, and PropTech;
- (2) nurturing future leaders of construction digital transformation; and
- (3) meeting the industry's immediate and future needs.

THREE WINNING FACTS

Research excellence as evident in the facts of (a) > HK\$71.5 million internal and external competitive research grants; (b) two of the World's Top 1% Scholars in the lab; (c) 17 books and book chapters, > 220 journal papers, and > 200 conference papers published; and (d) >20 prestigious international and local innovative awards won.

Nurturing future leaders in construction digital transformation: (a) Teaching >350 UG and >400 MSc students at HKU with BIM and PropTech related courses; (b) training 23 PhDs, and hired 35 young talents as postdoctoral fellows, research assistants and interns.

Serving the industry via (a) CIC CITF vetting and BIM manager interviewing committees; (b) engaging in housing and MiC projects and construction waste management projects from HKEPD, HKCEDD, HKHA, HKHS, and HKU; (c) collaborating with major contractors, consultants, and BIM software vendors; and (d) receiving HK\$11.9 million cash and HK\$ 3 million in-kind research support.



<p>Welcome to iLab</p> <p>iLab is an urban big data hub housed on the 7th floor of the Knowles Building, the University of Hong Kong that supports the entire suite of HKURBAN Labs. It facilitates multi-dimensional and multi-disciplinary urban big data collection, storage, analysis, and presentation to inform decision-making in urban development. iLab is a repository for urban big data from Geographical Information Systems (GIS), Global Positioning Systems (GPS), Urban Remote Sensing (URS), satellite and airborne Remote Sensing (RS), Building Information Modeling (BIM), Laserscanning, facilities and asset management, and other sources.</p> <p>iLab is a focus for research across the urban disciplines and works closely with other groups in HKURBAN Lab, all of which heavily use urban big data. iLab itself is also a research hub. It is the house of more than HK\$35 million research grants related to BIM, blockchain, construction informatics, construction logistics and supply chain management, and big data.</p>	<p>Contact</p> <p>Address: K87148716, 7/F, Knowles Building, Faculty of Architecture, The University of Hong Kong, Pokfulam, HKSAR.</p> <p>Telephone: +852 39177981</p> <p>Email: wilsonlu@hku.hk (Prof. Wilson Lu)</p>
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Screenshot of iLab office website <https://ilab.hku.hk/>



Professor Wilson Lu, Director of iLab, HKU



iLab is a big research team with 3 professors, 3 Post-Doctoral Fellows, 16 PhD students, and 8 research assistants.



iLab won "The Young Innovator Award" of the 2015 CIC Innovation Award