

Hong Kong openBIM/openGIS Award 2022

Final Presentation and Award Ceremony

- ❖ Project Awards
- ❖ Research Awards



Date: **23rd March 2022 (Wednesday)**

Time: **9:30 am – 5:00 pm**

Venue: **Zoom Online**

CPD Hours: **5.5 hours**

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PROGRAMME RUNDOWN

TIME	Description
09:00 – 09:30	<i>Registration</i>
09:30 – 10:00	<p>Welcome Address</p> <ul style="list-style-type: none"> • President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International) <p>Opening Address</p> <ul style="list-style-type: none"> • Ir Thomas HO (Guest of Honor) (Chairman of Hong Kong Construction Industry Council) • Mr. Aidan MERCER (Guest of Honor) (Marketing Director of buildingSMART International)
10:00 – 10:10	<p>Introduction to the Award and Arrangement</p> <ul style="list-style-type: none"> • Prof. Jack CHENG (OC Chair of the Hong Kong openBIM/openGIS Award 2022)
10:10 – 10:15	Group Photos
10:15 – 11:00	Final Presentations of the Shortlisted Submissions (Project Category)*
11:00 – 11:05	<i>Break</i>
11:05 – 12:10	Final Presentations of the Shortlisted Submissions (Project Category)*
12:10 – 14:00	<i>Lunch Break</i>
14:00 – 15:30	Final Presentations of the Shortlisted Submissions (Research Category)*
15:30 – 15:40	<i>Break</i>
15:40 – 16:15	<p>Comments from Judges (Project Category)</p> <p>Result Announcement and Award Presentation (Project Category)</p>
16:15 – 16:50	<p>Comments from Judges (Research Category)</p> <p>Result Announcement and Award Presentation (Research Category)</p>
16:55 – 17:00	<p>Closing Remarks</p> <ul style="list-style-type: none"> • President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International)
17:00	<i>End of Program</i>

* The presentation order will be determined randomly on-site.
(The event will be conducted in **English**.)

Hong Kong openBIM/openGIS Award 2022



Judging Panel Members



Ar Ada Fung



Mr. Aidan Mercer



Prof. Calvin Kam



Ar David Fung



Ir Francis Leung



Dr. Jianfeng Li



Mr. Oliver Lai Wei



Sr Michael Wong

★ List of Shortlisted Submissions

Project Category

1. Public Housing Developments at North West Kowloon Reclamation Site 6 and Fat Tseung Street West - FB1 Bridge: openBIM for Long Span Footbridge connecting Hoi Ying Estate and Hoi Tat Estate

Housing Department, HKSAR
Global Virtual Design and Construction

Yau Lee Construction Co. Limited

2. DE/2017/01 – Upgrading of Kwun Tong Preliminary Treatment Works: Use of OpenBIM Collaboration for Adoption of DfMA and Rebar Pre-fabrication for Construction of New Grit Building of KTPTW

Wings & Associates Consulting Engineers Limited
Binnies Hong Kong Limited

Drainage Services Department, HKSAR
Chevalier-CPC Joint Venture

3. Design, Construction and Operation of the Kai Tak Sports Park: OpenBIM Implementation in the Design, Construction and Operation of the Kai Tak Sports Park Project

Home Affairs Bureau, HKSAR
Kai Tak Sports Park Limited
Hip Hing Engineering Co. Limited
Leigh & Orange Limited
Young's Engineering Co. Limited
WSP Hong Kong Limited
Shen Milsom & Wilke LLC Urbis Limited
isBIM Limited
Rider Levett Bucknall Limited

Ove Arup & Partners Limited
Populous Limited
Simon Kwan & Associates Limited
STRI Group ADI Limited
P&T Group
Meinhardt Consulting Engineers
Landes Limited
Majestic Engineering Co Limited

4. Continuous Improvement of Water Supply System for Remote Villages in the New Territories: Study on the Trial Use of Open Building Information Modelling and Open Geographic Information System for Asset Management

Water Supplies Department, HKSAR
Summit Technology (HK) Limited

Ming Hing Waterworks

5. Central Kowloon Route - Kai Tak West: OpenBIM for Construction

Gammon Construction Limited
Arup - Mott MacDonald Joint Venture

Highways Department, HKSAR

6. The Henderson: OpenBIM Driven Landmark Project

Hip Hing Construction Co. Limited
Henderson Land Development Company Limited
Zaha Hadid Architects
Ronald Lu & Partners (Hong Kong) Limited

WSP (Asia) Limited
Ove Arup & Partners (HK) Limited
Sane Form Limited

7. BIM Horizontal Harmonisation for BIM / GIS Integration under First Phase Development of KTN and FLN NDA: Open BIM and GIS for Information Exchange for Works Departments

Civil Engineering and Development Department, HKSAR
AECOM Asia Company Limited
Architectural Services Department, HKSAR
Development Bureau, HKSAR
Drainage Services Department, HKSAR

Electrical and Mechanical Services Department, HKSAR
Highways Department, HKSAR
Lands Department, HKSAR
Water Supplies Department, HKSAR
Construction Industry Council (CIC)

Research Category

1. An Automatic MiC Design System for Modularisation and Module Coding in Open Formats

City University of Hong Kong

2. Low-cost Digital Twins of Building Assets: Automatic Creation of Photo-realistic OpenBIM by Integrating Ubiquitous Augmented Reality and 2D CAD Drawings

The University of Hong Kong

3. Motion Simulation and Monitoring of Mobile Construction Robots based on OpenBIM and Physics Engine

The Hong Kong University of Science and Technology

4. Mapping Parcel-level Urban Land Use Functions with Open Big Data and Machine Learning

The University of Hong Kong

5. OpenBIM-based Design Optimization and Prefabrication Automation of Steel Reinforcement

The Hong Kong University of Science and Technology

National University of Singapore

6. Secure openCDE with Blockchain for HKUST Digital Twin with openBIM and openGIS Applications

The Hong Kong University of Science and Technology

