

# Hong Kong openBIM/openGIS Award 2022

## Final Presentation and Award Ceremony

- ❖ Project Awards
- ❖ Research Awards



Date: **23<sup>rd</sup> 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><b>Welcome Address</b></p> <ul style="list-style-type: none"> <li>• President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International)</li> </ul> <p><b>Opening Address</b></p> <ul style="list-style-type: none"> <li>• Ir Thomas HO (Guest of Honor) (Chairman of Hong Kong Construction Industry Council)</li> <li>• Mr. Aidan MERCER (Guest of Honor) (Marketing Director of HKABAEIMA, buildingSMART International)</li> </ul>
10:00 – 10:10	<p><b>Introduction to the Award and Arrangement</b></p> <ul style="list-style-type: none"> <li>• Prof. Jack CHENG (OC Chair of the Hong Kong openBIM/openGIS Award 2022)</li> </ul>
10:10 – 10:15	<b>Group Photos</b>
10:15 – 11:00	<b>Final Presentations of the Shortlisted Submissions (Project Category)*</b>
11:00 – 11:05	<i>Break</i>
11:05 – 12:10	<b>Final Presentations of the Shortlisted Submissions (Project Category)*</b>
12:10 – 14:00	<i>Lunch Break</i>
14:00 – 15:30	<b>Final Presentations of the Shortlisted Submissions (Research Category)*</b>
15:30 – 15:40	<i>Break</i>
15:40 – 16:15	<p><b>Comments from Judges (Project Category)</b></p> <p><b>Result Announcement and Award Presentation (Project Category)</b></p>
16:15 – 16:50	<p><b>Comments from Judges (Research Category)</b></p> <p><b>Result Announcement and Award Presentation (Research Category)</b></p>
16:55 – 17:00	<p><b>Closing Remarks</b></p> <ul style="list-style-type: none"> <li>• President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International)</li> </ul>
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

