

HKABAEIMA Training Centre Season 8

Theme: Innovations in openBIM and openGIS

Class 51

Part 1
BIM/OpenBIM Uses and Innovations in Design and Construction Period for O- PARK2 Project

Part 2
Low-cost Digital Twins of Built Assets: Automatic creation of photo-realistic openBIM by integrating ubiquitous Augmented Reality and 2D CAD drawings

Date: 12th Oct 2022

Welcome Address
President
HKABAEIMA via Zoom online
Register



Schedule	Speaker/Moderator
17:45 - 18:00	Reception
18:00 - 18:05	Moderator - Michael Wong
18:05 - 18:15	Welcome Address - Ada Fung
18:15 - 18:45	BIM/OpenBIM Uses and Innovations in Design and Construction Period for O-PARK2 Project
18:45 - 19:15	Low-cost Digital Twins of Built Assets: Automatic creation of photo-realistic openBIM by integrating ubiquitous Augmented Reality and 2D CAD drawings
19:15 - 19:30	Q&A

Speakers' Biography

Dr. Dai is a Senior Design Manager and Carbon Neutrality Director at China State Construction Engineering (Hong Kong) Limited. She also instructs MSc courses as an Adjunct Assistant Professor in the Department of Civil and Environmental Engineering at The Hong Kong University of Science and Technology. Dr. Dai is a professional in environmental engineering, including resource recovery from wastes, wastewater treatment, solid waste treatment, carbon footprint prediction & reduction in the construction phase, and life cycle assessment. Currently, Dr. Dai participates in O-PARK2 project, which is the second organic resources recovery centre in Hong Kong. She is interested in using BIM to predict the project's carbon emissions from construction materials. With her coordination, O-PARK2 BIM team wins the Gold Award in the project category of HKIBIM Award 2021, the Project Winning of CIC Celebration of BIM Achievement 2022, and Honorable Mention in Autodesk Hong Kong BIM Award 2022.

Dr. Fan Xue, Frank, is an Assistant Professor in the Department of Real Estate and Construction at The University of Hong Kong. Dr. Xue has an interdisciplinary background in Automation (BEng), Computer Science (MSc), Industrial and Systems Engineering (PhD), and Construction Management (Postdoctoral fellow – present). He is member of the Association for Computing Machinery (ACM), senior member of the China Graphics Society (CGS), member of the Hong Kong GIS Association (HKGISA), and member of the Institute of Electrical and Electronics Engineers (IEEE). His research interests include: building and city information modeling, LiDAR data processing, derivative-free optimization, blockchain, and machine learning. He can be contacted at xuef@hku.hk.

Note:

1. Participation at this training class is free of charge, but registration is required. The registration will close at 3pm on the day.
2. Upon the completion of this class, a 1 hour CPD will be offered at the cost of HK\$ 50 (as a handling charge).
3. The class will be conducted in English.