

# The Outstanding Young Alumni Award in Professional Achievement of PolyU BRE 2024 Awardee Brief Biography



## Ir Dr David KWOK Tai Wai

*Doctor of International Real Estate and Construction  
(Year of Award: 2023)*

*The Hong Kong Polytechnic University*

Ir Dr David KWOK Tai Wai obtained his Doctoral Degree in International Real Estate and Construction from The Hong Kong Polytechnic University (PolyU) in 2023. He is the youngest graduate in this cohort. He earned a Master's Degree in Civil and Environmental Engineering from Imperial College. He then graduated from Columbia University with a Master's Degree in Mathematics of Finance. He will begin his MBA studies at Peking University in September 2024 after being selected as one of the four recipients of The HKIE Young Engineers Arthur & Louise May Memorial Scholarship.

As the awardee of the HKIE Young Engineer of the Year 2024, Ir Dr Kwok has been devoting himself to the engineering industry after he came back from New York. He has extensive experience working in both civil engineering and building engineering projects, including the Guangzhou–Shenzhen–Hong Kong Express Rail Link, Shatin to Central Link and Doha Metro during his time at Atkins after graduation. His fascination with prefabrication and MiC led him to take on the role of head of operations at Wah Tung Façade, where he oversaw a staff of hundreds of employees. Numerous iconic structures, including as the Hong Kong Palace Museum, the Fullerton Ocean Park Hotel, and Hopewell Centre II, are among the façade projects he oversaw. Additionally, he oversees the MiC business for Wah Tung. In 2019, he led his team to transport two MiC modules from Dongguann to Hong Kong for temporary use which was an aggressive step taken prior to the Covid-19 pandemic, drawing interest from specialists in the area.

Currently, as the Founder and CEO of InnoWah, a technology startup, Ir Dr Kwok is leading his team to develop a digitalised fabrication process for building materials for enhancement of operational efficiency and product quality. As the first author, he has published research papers in international journals driving prefabrication adoption and application of digital technology in Hong Kong.

As the Founder and Chairman of Insquare Foundation Limited, a registered charity in Hong Kong, Ir Dr Kwok strives to cultivate young people to learn programming languages. He supports the children's full inclusion and participation in the community by providing STEAM education to students from families with financial needs. Before founding Insquare, Ir Dr Kwok was a volunteer teacher at Principal Chan Free Tutorial World. Furthermore, as a part-time lecturer at two institutions of VTC including Technological and Higher Education Institute of Hong Kong (THEi), he gives lectures and classes in STEAM subjects. He has come to understand the transformative power of education by witnessing his students' improvements as they put more effort into their learning. His ongoing dedication to education helps develop individuals for the betterment of society. To foster young minds, Ir Dr Kwok is a school ambassador of the HKIE. He is also a mentor of the mentorship programme of PolyU and Federation of Hong Kong Industries (FHKI) and keeps sharing with students his career path, ups and downs, and strategies for success. Besides, he is a professional reviewer of the Institution of Civil Engineers. As an executive committee member of two councils of FHKI, he has been actively sharing his personal experience and co-organised activities to encourage young people in both Hong Kong and the Greater Bay Area to join the manufacturing industry.

