



香港  
鋼結構學會  
Hong Kong Institute of  
Steel Construction



DEPARTMENT OF  
CIVIL AND ENVIRONMENTAL ENGINEERING  
土木及環境工程學系

## Technical Webinar on

### ***Design and Construction of Museum Plus (M+)***

*by* **Ir. Rhodri Williams & Sojeanne Kim**

*Organized by*

Young Members Group, The Hong Kong Institute of Steel Construction

*Supported by*

Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

<b>Date:</b>	16 <sup>th</sup> September 2022 (Friday)
<b>Time:</b>	6:20pm (registration) for 6:30 pm to 7:30 pm
<b>Venue:</b>	Online Webinar

#### **About the Seminar**

As the flagship project of Hong Kong's West Kowloon Cultural District, M+ occupies a prominent site on the southernmost edge of Kowloon, overlooking Victoria Harbour. Opened in 2021, the project – designed by the M+ Consultancy Joint Venture, comprising Herzog & de Meuron in partnership with TFP Farrells and Arup – is Asia's first global museum of contemporary visual culture.



The 65,000m<sup>2</sup> development includes 17,000m<sup>2</sup> of exhibition space across 33 galleries, as well as three cinemas, a Learning Hub and Research Centre and a garden on the 130m x 111m podium that is open to the public all year around. Its tower is home to offices and restaurants, while the façade features an LED media display screen screen that can be seen from the Kowloon waterfront and across the water on Hong Kong Island.

The M+ building sits directly above tunnels for the MTR Airport Express and Tung Chung Line, which runs diagonally across the site. The tunnel structure is on average 30m wide and is a ground bearing structure, which meant it could not support the building above. The WKCD Underpass Road also runs directly below the M+ building. These constraints presented a huge challenge to the design and construction.



The M+ façade is made up of 140,000 pieces of ceramic tile laid out in a horizontal louvre structure to contribute to shading the interior. The modular terracotta cladding also extends to the podium and some sections of the ground floor and references traditional Chinese roofs. The tiles were made from clay in a ceramic factory in Chianti, Italy, assembled in precast units in Shenzhen and then shipped to Hong Kong.

### **About the Speakers**

**Rhodri Williams** was the Project Manager for Arup on the M+ project. He is a Chartered Civil and Structural Engineer and an Associate Director of Arup, working on both multi-disciplinary and structural projects. Rhodri's career to date has provided him with a wide range of experience in the design and project management of Civil and Structural Engineering projects in Europe and Asia. He has been involved in various types of projects including sports stadia, residential, commercial, and institutional buildings.

**Sojeanne Kim** was the Façade Project Designer for Arup on the M+ project. She is a designer and project manager in the Building Envelope & Materials team of Arup and has been involved in a broad range of project types and scales within Hong Kong and the East Asia region. Sojeanne is experienced in architectural lighting design and building envelope façade design for a variety of building types including commercial, office, museum, hospital, and mixed-use developments.

### **Official Language**

English will be the official language.

### **CPD Certificates**

This seminar is recommended for **1** CPD hours. Attendance certificate will be issued.

**Free attendance** but limited and priority will be given to Young Members Group (HKISC) members and HKIE members. Please complete the online registration form

<https://forms.gle/RawdqiPRLqopok8i6> , **by 12:00 noon, 14<sup>th</sup> September 2022.**

Should you have any further query, please contact Ir. Benilde Lei at [ymghkisc@gmail.com](mailto:ymghkisc@gmail.com)