

One of *HKISC-YMG Technical Seminar Series*:

Grasshopper and Structural Engineering

Case Study : Zaha Hadid's City of Dreams Hotel, Macau

on *Wednesday, 7 October 2015*

by *Daniel Wood & Emidio Piermarini*

Venue:	Room PQ304, The Hong Kong Polytechnic University, Hung Hom, Kowloon
Time:	6:50pm (Registration) for 7:00 pm to 8:00 pm



City of Dreams (Zaha Hadid Architects)

About the Seminar

BuroHappold Engineering have recently completed the design and documentation of 2,500 complex steel connections in the exoskeleton of the Zaha Hadid designed Hotel D at the City of Dreams, Macau.

The presentation will introduce the building's overall design approach, with a focus on the complex challenges and unique solutions adopted in the analysis, design & documentation of the exoskeleton connections. The presentation will include examples of parametric design using Rhino & Grasshopper and illustrate how a well thought through engineering solution with intelligent use of scripting can cut months from the design programme.

About the Speakers

Daniel Wood is an Associate Director in BuroHappold's Hong Kong office, and has been based in the region for almost 8 years. He has led a number of HKIE and IStructE award-winning buildings, and has a particular interest in Architectural Engineering and holistic design. His previous projects include the Cruise Terminal Building, HK and the Halley VI research station, Antarctica.

Emidio Antonio Piermarini, is a structural engineer with BuroHappold Engineering. A graduate of the Massachusetts Institute of Technology (MIT), he has been involved with complex projects in the Middle East and Asia for over 2 years with BuroHappold Engineering. He is a specialist in the field of parametric design as it relates to structural engineering and is fully adept in Grasshopper and Dynamo.

Official Language: English will be the official language.

CPD Certificates: This seminar is recommended for **1.0** CPD hour. Attendance certificate will be issued.

Free attendance but places are limited and priority will be given to Young Members Group (YMG) members. Please completed the **Online Registration Form**, by **12:00 noon, 4th October 2015**

(<https://docs.google.com/forms/d/1yfJj-2O1fKQwKwI5etu5VpW1JOOr4SNsJob3M1MPsFg/viewform>)

For more information, please contact Dr. Alfred Fong at [2268-3244](tel:2268-3244) or yng@hkisc.org.

This seminar is co-organized by: **Young Members Group - The Hong Kong Institute of Steel Construction, Department of Civil and Environmental Engineering - The Hong Kong Polytechnic University.**