

Technical Seminar on

Design and Construction of CCTV HQs in Beijing

By Ir. Prof. Goman Ho

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

American Society of Civil Engineers (ASCE), Hong Kong Section

Date:	11 December 2014 (Thursday)
Venue:	Room N001, The Hong Kong Polytechnic University, Hung Hom, Kowloon
Time:	6:15 pm (registration) for 6:30 pm to 8:00 pm

About the Seminar

The entire CCTV development has a site area of 187,000m² and will provide a total of 550,000m² gross floor area. The estimated construction cost is around 5bn RMB (or \$US600M). The 450,000m², 234m tall, CCTV building consists of a nine-storey 'Base' and three-storey basement, two leaning Towers that slope at 6° in each direction, and a nine to 13-storey 'Overhang', suspended 36 storeys in the air, all combining to form a 'continuous tube'. Viewed in other terms, the total building form can be seen as four distinct volumes, two of them leaning towards each other from opposite corners of the site, and joined at the top and bottom by the other two, both horizontal and with opposite 90° angles in their middles. Assuming the overhang can be bent up, it become twin towers with each tower in approximately 300m tall.

The structural form of the two leaning Towers are started by fully braced at four sizes for both strength and stiffness and to deliver loads to the foundations to the Base. In addition to the cores, the floor plates of the Towers take support from many vertical columns.

This technical meeting will go through from concept design stage to the completion of construction of CCTV tower.

About the Speaker

Ir. Prof. Goman Ho, an Arup Fellow, a Director of Arup China and Hong Kong, the global leader for Tall Buildings Skills Network and also an Adjunct Professor of Hong Kong Polytechnic University. He has been working in Arup since his postgraduate study in Hong Kong Polytechnic University in 1992. He was the project manager of 300m tall Cheung Kong Center in HK, 700,000m² Beijing Fortune Plaza mixed development, the tallest building in Beijing - 330m China World Trade Center, CCTV, Beijing Capital International Airport T3, National Stadium, Water Cube, BJ Exhibition and Conference Center, ETON Dalian Center and Beijing South Station etc. Besides the above mentioned finished project, the 600m tall Goldin Finance Tianjin 117 project is now finished up to 370m and 528m Z15 is now having the core finished up to ground floor. He is currently responsible for a twin tower project in Shanghai and a 460m tower in NingBo in China.

Official Language English will be the official language.

CPD Certificates This seminar is recommended for **1.5** CPD hours. An attendance certificate will be issued.

Free attendance but places are limited and priority will be given to Young Members Group (HKISC) and American Society of Civil Engineers (ASCE) members. Please complete the [Online registration form](#) by **12:00 noon, 8th December 2014**.

If you cannot use the hyperlink, please try the following address:

(https://docs.google.com/forms/d/1_NMaylp__NtakLR88BnF-5M_KRBJdeWX84j7GP6yIslw/edit)

For more information, please contact Dr. Alfred Fong at 2268-3322 or alfred.fong@arup.com.