



THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會



國家鋼結構工程技術研究中心香港分中心  
Chinese National Engineering Research Centre  
For Steel Construction (Hong Kong Branch)

HONG KONG CMSA  
Constructional Metal Structures Association  
香港建築金屬結構協會

## 《國際鋼結構與複合結構工程技術研討會》2017

### **International Symposium on Advances in Steel and Composite Structures 2017**

**Date** : Friday, 24<sup>th</sup> November 2017

**Venue** : Senate Room M1603, Li Ka Shing Tower, The Hong Kong Polytechnic University.

**Time** : 9:00 am - 5:20 pm (Registration will start at 8:30 am)

#### **Program Highlights**

*Advances in Steel and Composite Structures* are important to practicing engineers in Hong Kong due to huge demands on infrastructure construction in the Region, in particular China, in the coming decades. Steel and composite construction is very often adopted in super high-rise buildings, long span bridges and public structures due to their high structural efficiency with large strength-to-self-weight ratios as well as large flexural rigidities against instability and serviceability issues.

This International Symposium is organized as a technical platform for the following renowned researchers and engineers to disseminate their experiences and research findings on advanced construction technology of steel and composite structures as well as “Modular construction for residential buildings” with special emphases on practical applications:

王宏教授	中建钢构有限公司
Ir Naeem Hussain	ARUP, Hong Kong SAR, China
Professor Mark R Lawson	The Steel Construction Institute, U.K.
Mr. James Law JP	James Law Cybertecture, Hong Kong SAR, China
Ir K.H. Mok	Hip Hing Construction Hong Kong SAR, China
Professor H.H. Lau	Curtin University, Malaysia
Dr. Aaron J. Wang	CapitaLand Shanghai, China
Ir Professor K. F. Chung	The Hong Kong Polytechnic University, Hong Kong SAR, China

This International Symposium is jointly organized by the **Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch)** of the Hong Kong Polytechnic University and the **Hong Kong Constructional Metal Structures Association**. This event is also supported by the Construction Industry Council.

**The Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch)** was established in October 2015 at the Hong Kong Polytechnic University with the approval of the Ministry of Science and Technology of the People’s Republic of China. It is supported by the Innovation and Technology Funds of the Government of Hong Kong SAR. The main objective of the CNERC is to promote effective design and construction of buildings and civil engineering structures for sustainable infrastructure development in Hong Kong.

Established in July 2010, the **Hong Kong Constructional Metal Structures Association** aims to promote effective use of metal structures in construction in Hong Kong and neighbouring areas through technical exchange and collaboration on education, research and development, and professional practice among universities, research institutes and industrial associations.



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Time	Program	
9:00 am	<b>Opening Ceremony</b> <b>Welcoming Speech</b> <b>Professor Alex Wai, VPRD</b> <b>Guest of Honour</b> <b>Ir C.K. Hon, Permanent Secretary for Development (Works)</b> <i>Development Bureau, the Government of Hong Kong SAR</i> <b>Signing of MOU</b> <b>CNERC Report</b>	<b>Master of Ceremony:</b> <b>Ir Prof. Michael C. H. Yam</b> <i>Deputy Director &amp; General Secretary</i> <b>CNERC</b>
9:35 am Presentation 1	<b>Modular Construction for Residential Buildings</b> <b>Professor Mark R. Lawson, The Steel Construction Institute</b>	
10:15 am Presentation 2	<b>Adaptive City with Modular Structures</b> <b>Mr. James Law JP, James Law Cybertecture</b>	
10:35 am	<b>Refreshments</b>	
11:00 am Presentation 3	<b>中国钢结构行业发展趋势</b> <b>王宏教授 中建钢构有限公司</b>	<b>Ir Prof. Joseph Y. W. Mak</b> <i>Chief Engineer</i> <b>CNERC</b>
11:40 am Presentation 4	<b>Effective Use of High Strength Steel Welded Sections in Buildings</b> <b>Ir Professor K. F. Chung, The Hong Kong Polytechnic University</b>	
12:20 pm	<b>Lunch Break</b>	
2:00 pm Presentation 5	<b>Design and Construction of Queensferry Crossing Scotland</b> <b>Ir Naeem Hussain, ARUP</b>	<b>Dr. T.M. Chan</b> <i>Deputy General Secretary</i> <b>CNERC</b>
2:40 pm Presentation 6	<b>Design and Construction of Xiqu Centre 戲曲中心</b> <b>Ir K.H. Mok, Hip Hing Construction</b>	
3:30 pm	<b>Refreshments</b>	
3:50 pm Presentation 7	<b>Steel: A Versatile Materials for Versatile Mega Buildings</b> <b>Dr. Aaron J. Wang, CapitaLand Shanghai</b>	<b>Ir Dr. Paul H. F. Lam</b> <i>Chairman</i> <i>Education &amp; Training</i> <i>Committee</i> <b>HKCMSA</b>
4:30 pm Presentation 8	<b>Steel Construction in Malaysia – Opportunities and Challenges</b> <b>Professor H. H. Lau, Curtin University Malaysia</b>	
5:10 pm	<b>Closing Remarks</b>	
5:20 pm	<b>End</b>	