

**FIRST ANNOUNCEMENT**

***One-day seminar on  
Behaviour, analysis and design of scaffolds 2019***

*Organized by*

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

*Supported by*

Joint Structural Division, The Hong Kong Institution of Engineers (to be confirmed)

<b>Date:</b>	18 <sup>th</sup> April 2019
<b>Venue:</b>	Room N001, The Hong Kong Polytechnic University, Hunghom, Kowloon
<b>Time:</b>	8:45 am (registration) for 9:00 am to 5:00 pm

**Abstract**

This seminar reviews the analysis and design of scaffold structures. The seminar will review work undertaken into scaffold collapses and the methods proposed to insure stability and safety of scaffolding works in construction site, which is always a concerned safety issue not only in Hong Kong, but in many places because of the difficulty and complexity in conducting a reliable design and analysis check on a scaffold system.

This seminar is on the technique for design for collapse prevention such as the incident below.



## About the speakers

Professor JL Peng received his Ph.D. from Purdue University, U.S. He is teaching at the department of civil and construction engineering and honored with a distinguished professor in National Yunlin University of Science and Technology. He won the outstanding civil alumni award from the National Taiwan University. His main research areas are steel structure behavior, structural stability analysis and scaffolding safety. He serves on the international editorial board for the International Journal of Advanced Steel Construction. He is currently the jury member of the Golden Safety Award of the Ministry of Labor in Taiwan.

Dr. Jerry Lu received his BEng and PhD at PolyU and he is currently a research Fellow at PolyU and worked before as a lecture in Queensland University of Technology, Australia, a research fellow in University of New South Wales Australia, Graduate school in Harbin Institute of Technology, China and University of Hawaii USA. He has published some 30 journal papers and 40 conference papers. With two years as a structural engineer in a consultant, Dr. Lu has a good and balanced background in research and engineering design. Recently, he worked on projects related to research and design of scaffolds under high loads.

Professor Siu Lai Chan is the chief and founding editor of the SCI-e international journals “Advanced Steel Construction ([www.ascjournal.com](http://www.ascjournal.com))”, “Steel and Composite Structures (2002-2005)” and the regional editor of “International Journal of Applied Mechanics and Engineering”, a member of editorial boards in 7 other journals, the principal consultant of design codes for steel and glass structures in Hong Kong and an adjunct professor at the Southeast University in Nanjing, Harbin Institute of Technology in Harbin and Tongji University in Shanghai. In conjunction with a research team of the Tongji University, he received the first class award for research by the Education Ministry in the Mainland China, research awards by the Structural and the Geotechnical Divisions of HKIE in 2016 and served as the Chairman of the Structural Division HKIE in 2013 and Deputy Chairman of Fire Division HKIE in 2016.

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### **Official Language**

English and Mandarin will be the official language.

### **Fees & Registration**

The registration fee includes a copy of lecture note

Regular Registration: **HK\$ 1,200** each for HKISC/ HKIE Members; **HK\$ ,1500** each for non HKISC/ HKIE Members.

Group Registration: **HK\$ 1,200** each for group registration of at least **5** people

### **CPD Certificates**

This seminar is recommended for **ONE** CPD day. An attendance certificate will be issued.

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Should you have further query, please do not hesitate to contact Mr. Tommy LI at [man@hkisc.org](mailto:man@hkisc.org).

**Date:** 18<sup>th</sup> April 2019  
**Time:** 9am to 5pm  
**Venue:** Room N001, The Hong Kong Polytechnic University, Hung Hom, Kowloon.

**CPD:** This seminar is recommended for **1** CPD day  
**Certificate:** An attendance certificate will be issued upon request.

Time	Program	Speaker
8:45 am	<i>Registration</i>	
9:00 am	<i>Failure Mechanisms and Collapse cases of Temporary Structures Used in Construction in Taiwan</i>  <i>1. Failure Mechanism of Shores and Scaffolds in Construction (I): Structural System Buckling (1 hour)</i>  <i>2. Failure Mechanism of Shores and Scaffolds in Construction (II): Leaning Column Effect (1 hour)</i>  <i>3. Introduction to Collapse Cases of Shores and Scaffolds in Construction (1 hour)</i>	<i>Professor JL Peng</i>
12:00 noon	<i>Lunch Break</i>	
2:00 pm	<i>Second-order Direct analysis, theory and practical application</i>  <i>Requirements by design code</i>  <i>Consideration for design of scaffolds</i>  <i>Real case study</i>	<i>Dr. J Iu and Professor SL Chan</i>
5:00 pm	<b>End of Seminar</b>	

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## REGISTRATON FORM

*(To be replied on or before 10 April 2019)*

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to Mr. Tommy Li, HKISC (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to Mr. Tommy Li, at:  
Hong Kong Institute of Steel Construction, c/o Room ZN912, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong.  
on or before 10th April 2019.

**To: Mr. Tommy Li**

**Fax: 852- 2334 6389**

### A. Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	E-mail address
1.				
2.				
3.				
4.				
5.				

Postal Address  
(for official receipt): \_\_\_\_\_

### B. Registration Details:

Item	Registration Fee	Total no. of registration	Sub-total
1. Regular registration (Member*price)	HK\$ 1,200 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 1,500 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 1,200 each x	_____ person(s)	= HK\$ _____
<b>Total amount:</b>			<b>HK\$</b>

*Note: The registration fee includes a copy of proceedings, a copy of CPD certificate and 2 tea refreshments.*

*\*HKIE or HKISC member*

I enclosed a crossed cheque (cheque no. \_\_\_\_\_) with the sum of HK\$ \_\_\_\_\_ for the registration fee of the captioned Seminar.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**CPD Certificates of Attendance** Please tick the appropriate box to indicate your choice:

☐ Yes, I/ we would like to have CPD certificate(s). ☐ Not request for certificate(s).