

3rd Announcement

Technical Seminar on Effective Use of High Strength Steel S690 in Construction

Date: 17 May 2024 (Friday)

Time: 9:00 am to 5:00 pm. (Registration begins at 8:40 am)

Venue: Grand Ballroom, New World Millennium Hong Kong Hotel, TST East, Kowloon

Highlights

Under huge support from the Government and various government departments in recent years, high strength S690 steel are widely considered to provide huge opportunities to practicing engineers in Hong Kong to offer effective construction solutions for infrastructure development in the Region, in particular the Greater Bay Area, in the coming years. 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. The use of high strength S690 steel allows significant improvements to construction of these structures.

This Technical Seminar is organized as a platform for the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) to disseminate their research findings and experiences on advanced construction technology of high strength S690 steel with special emphases on practical applications. It also serves as a focal point for renowned engineers to share their experiences in adopting high strength S690 steel in their construction projects.

Speakers

Ir Michael C. L. Leung, CEDD

Ir Ken Y. C. Ho, ArchSD

Ir Dr. Robin S. H. Sham, AECOM

Ir K. L. Wong, AECOM

Ir Rosaline B. K. Lau, AECOM

Ir Prof. K. F. Chung

Ir Prof. Michael C. H. Yam

Prof. T. M. Chan

Ir Dr. Andy Y. F. Leung

Ir Dr. H. C. Ho

Dr. Y. F. Hu

Jointly organized by

**The Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch),
The Hong Kong Polytechnic University, and**

Hong Kong Constructional Metal Structures Association.

Supported by



Development Bureau

The Government of the Hong Kong Special Administrative Region
of the People's Republic of China

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Programme

9:00 am	Opening Ceremony <i>Welcoming Speech</i> by Prof. Christopher Chao, Vice President (Research & Innovation) <i>Opening Speech</i> by Ir Ricky C. K. Lau, Permanent Secretary for Development (Works)
9:40 am Presentation 1	High strength S690 steel and their benefits in construction by K. F. Chung, H. C. Ho and Y. F. Hu
10:10 am Presentation 2	An inspiring Hong Kong landmark - Two iconic new arch bridges in Tseung Kwan O - Cross Bay Bridge and Promenade Southern Bridge - Pioneering with Grade S690QL high strength structural steel by Michael C. L. Leung and Robin S. H. Sham
10:40 am	<i>Coffee Break</i>
11:10 am Presentation 3	Circularity in construction - Recommendations for implementing a circular economy in construction: Direct reuse approach of steel structures by T. M. Chan
11:40 am Presentation 4	Effects of fabrication to structural behaviour of high strength S690 steel members, connections and joints by Y. F. Hu and K. F. Chung
12:10 pm	<i>Lunch</i>
2:00 pm Presentation 5	Pilot Use of High Strength S690 Steel in Redevelopment of Kowloon Tsai Swimming Pool Complex by Ken Y.C. Ho
2:30 pm Presentation 6	Design and construction of high strength S690 steel members and connections by H. C. Ho and K. F. Chung
3:00 pm Presentation 7	Design of high strength S690 steel piles in building structures by K. L. Wong and Rosaline B. K. Lau
3:30 pm	<i>Coffee Break</i>
4:00 pm Presentation 8	Innovative SMA-based connections for seismic resilience by Michael C. H. Yam
4:30 pm Presentation 9	Innovations in pile instrumentation technologies and investigation on pile-ground interaction effects by Andy Y. F. Leung
5:00 pm	<i>End</i>

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Registration:

Registration fee includes 1-day attendance, a copy of CPD certificate, lunch and refreshments:

Regular Registration: HK\$1,800 each

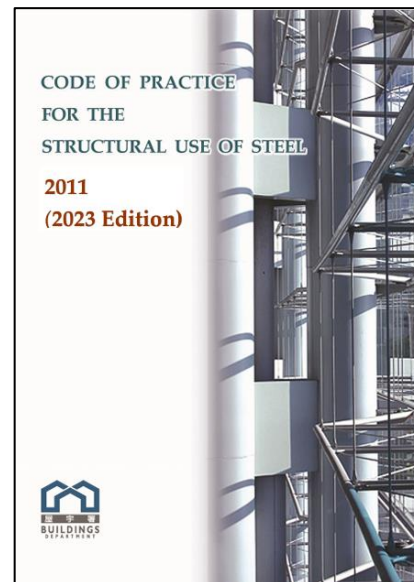
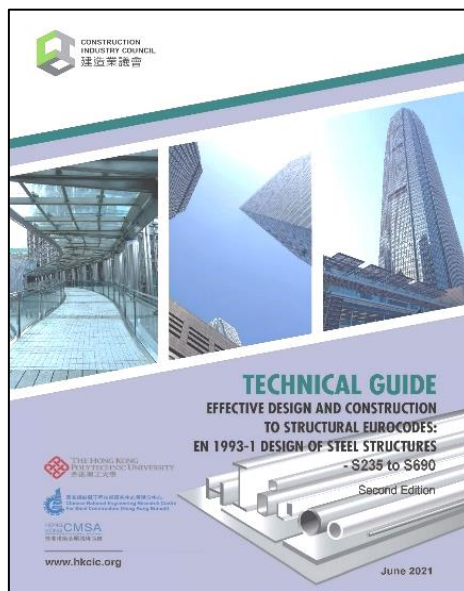
Group Registration: HK\$1,650 each for a group registration of at least 4 people

As there are limited seats, all registration will only be confirmed upon receipt of payment and on a first-come-first-served basis. The CPD certificate and the official receipt for each participant will be distributed at the end of the event.

For details of payment methods, please refer to the list as shown in the overleaf registration form.

Registration will only be confirmed upon receiving the payment either by (i) bank-in transfer or (ii) sending in a cheque by post.

For enquiry, please contact Ms. Fanny Li (Tel: 3400 8451 or Email: myfanny.li@polyu.edu.hk)



Supported by





TS2024 - REGISTRATION FORM

To: Ms. Fanny Li (via email: myfanny.li@polyu.edu.hk)

A. Personal Details:

Title	Name (in full)	Name of Company	Tel. No.	Email address
1.				
2.				
3.				

B. Registration Details:

Item	Registration Fee	Total no. of registration	Sub-total
1. Regular registration	HK\$1,800		
2. Group registration (for at least 4 people)	HK\$1,650		
		Total amount:	HK\$

Payment Methods: [Payment Receipt Required (please tick the appropriate box): Yes No]

(i) Bank-in (please send us the bank-in receipt through email for record):

Name of Bank: Bank of East Asia

A/C No.: 251-40-400040-9

A/C holder name: Hong Kong Constructional Metal Structures Association Limited

or

(ii) Crossed cheque (please make the cheque payable to “**Hong Kong Constructional Metal Structures Association Limited**”, and send to the following address by post):

Ms. Fanny Li

CNERC for Steel Construction (Hong Kong Branch)

Room Z106, Block Z, The Hong Kong Polytechnic University, Hung Hom, Kowloon.

Name of contact person: _____ Phone No.: _____