

Technical Seminar on Effective Use of S690 to S960 High Strength Steel in Construction

Date: 21 November 2025 (Friday)

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

Venue: Silverbox Ballroom, Hotel ICON, Hung Hom, Kowloon.

Highlights

Owing to a strong support from the Government in recent years, S690 to S960 high strength steel are readily adopted in both public and private construction projects in Hong Kong as effective construction solutions for infrastructure development. Together with high performance concrete, their use in highrise buildings, long span bridges and heavily loaded structures are considered to be highly advantageous because of their large strength-to-self-weight ratios as well as large flexural rigidities against instability and serviceability issues.

This Technical Seminar is organized as a platform for established engineers and researchers to disseminate their experiences and research findings on advanced construction technology of S690 to S960 high strength steel with special emphases on practical applications. It also serves as a focal point for renowned design and construction engineers to share their first-hand experiences in adopting as well as promoting S690 to S960 high strength steel in construction.

Speakers

Prof. Y.J. Shi	Tsinghua University, Beijing
Ir Alfred K.F. Wong	Building Technology Research Institute, Hong Kong
Ir Tom W.L. Leung	Civil Engineering and Development Department, Hong Kong
Ir Y.W. Leung	YWL Engineering Pte Ltd., Singapore
Ir Bear Z.C. Ding	Chun Wo Construction & Engineering Co., Ltd., Hong Kong
Mr. Kenny Y.L. Wong	Jumbo Construction Technology Ltd., Hong Kong

The Hong Kong Polytechnic University

Ir Prof. K. F. Chung
Ir Prof. Michael C. H. Yam
Prof. S.Y. Zhu
Ir Dr. Andy Y. F. Leung
Ir Dr. M.F. Hui
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> Opening Speech <i>by Ir Ricky C. K. Lau, Permanent Secretary for Development (Works)</i>
9:30 am Presentation 1	S690 to S960 high strength steel and their benefits in construction <i>by K. F. Chung, H.C. Ho and Y.F. Hu</i>
10:10 am Presentation 2	Development of S460 to S690 high strength steel in China <i>by Y.J. Shi</i>
10:40 am	Coffee Break
11:10 am Presentation 3	From Research to Reality: Forging future with lighter, stronger, and greener structures in GBA <i>by Alfred K.F. Wong</i>
11:40 am Presentation 4	Iron-based shape memory alloy BRBs for seismic resilience: Active restoration and low-cycle fatigue performance <i>by Michael C. H. Yam</i>
12:10 noon Presentation 5	High performance steel structures enabled by novel shape memory alloy elements <i>by S.Y. Zhu</i>
12:40 pm	Lunch
2:00 pm	Opening Speech <i>by Ir Joyce Lau, Project Manager (North), North Development Office, Civil Engineering and Development Department, Development Bureau.</i>
2:10 pm Presentation 6	Construction of footbridges using ultra-high strength S960 steel <i>by Tom W.L. Leung and Bear Z.C. Ding</i>
2:40 pm Presentation 7	Design of high strength S960 steel members and welded sections <i>by K.F. Chung and Y.W. Leung</i>
3:05 pm Presentation 8	Robotic site welding of S960 steel and related quality assurance <i>by H.C. Ho and Kenny Y.L. Wong</i>
3:30 pm	Coffee Break
4:00 pm Presentation 9	Field investigation of socketed S690 steel pile performance <i>by Andy Y. F. Leung</i>
4:30 pm Presentation 10	Innovation in modular integrated construction <i>by M.F. Hui</i>
5:00 pm	End

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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)

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TS2025 - 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.: _____