

Technical Seminar on Effective Use of S690 to S960 High Strength Steel in Construction - Towards applications in building and bridge structures in Hong Kong and beyond 2026.09.22

The Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) and Hong Kong Constructional Metal Structures Association jointly organized a Technical Seminar entitled “*Technical Seminar on Effective Use of S690 to S960 High Strength Steel in Construction - Towards applications in building and bridge structures in Hong Kong and beyond*” on 22 September 2026 at the Silverbox Ballroom of Hotel ICON. The event was supported by the Development Bureau of the Government of HKSAR.

This Technical Seminar is organized as a platform for researchers and experienced engineers to disseminate their research findings and experience on advanced construction technology of S690 to S960 high strength steel over a wide range of building and bridge structures. It also serves as a focal point for technical exchange in modern codes of practice in Europe and China: the Second-generation of **Eurocode 4: EN 1994-1-1 Design of composite steel and concrete structures**, and the China Steel Construction Society: **T/CSCS 084 - 2026. Standard for design of steel structures using 690 MPa ~ 960 MPa high strength steel**. 中国钢结构协会标准 : **T/CSCS 084-2026. 690 MPa ~ 960 MPa 高强度钢结构设计标准**. The Seminar was attended by about 150 engineers from government departments, consulting firms and construction companies.



The Seminar was attended by about 150 engineers.

Jointly Organized by

The Technical Seminar was officially opened by Guests of Honour **Ir Frankie Fung**, *Principal Assistant Secretary (Project Capability & Strategy)* of the Development Bureau, and **Mr. Gavin Wong**, *Deputy Project Manager (North)* of the Civil Engineering and Development Department, Government of Hong Kong SAR, who both delivered inspiring opening speeches.



Opening Speech by Ir Frankie Fung, Principal Assistant Secretary (Project Capability & Strategy), Development Bureau, the Government of Hong Kong SAR.



Opening Speech by Mr. Gavin Wong, Deputy Project Manager, North Development Office, Civil Engineering and Development Department.

Supported by



Development Bureau

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



Group photo of the honorable guests, speakers and MCs.
 From left: Prof. Huang, Dr. Ho, Ir Lau, Prof. Hicks, Mr. Wong, Ir Fung, Prof. Chung, Prof. Zhu,
 Prof. Leung, Prof. Wang, and Dr. Hu.

Sponsored by



Programme

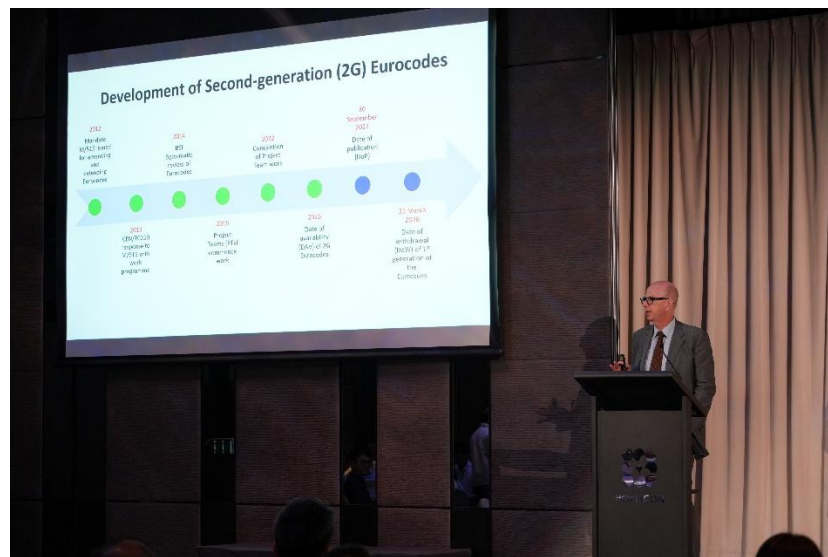
9:00 am	Opening Ceremony <i>Opening Speeches by</i> Ir Frankie Y.M. Fung , <i>Principal Assistant Secretary (Project Capability & Strategy), Development Bureau, the Government of Hong Kong SAR.</i> Mr. Gavin Wong , North Development Office, Civil Engineering and Development Department.
9:20 am Presentation 1	Design and construction of S690 to S960 high strength steel by K.F. Chung
9:50 am Presentation 2	Second-generation of Eurocode 4 – Key changes and innovations in composite construction by Stephen Hicks
10:20 am Presentation 3	Innovative construction in composite bridges by X.D. Wang
10:50 am	Coffee Break
11:10 am Presentation 4	Field investigation into structural behaviour of socketed S690 steel H-piles by Andy Y.F. Leung
11:40 am Presentation 5	Effective use of S690 steel in footbridge substructures and building foundations by H.C. Ho
12:00 noon Presentation 6	Design of foundations using socketed S690 steel H-piles by Rosaline B.K. Lau
12:20 pm	Concluding Remarks
12:30 to 2:00 pm	Lunch

Prof. K. F. Chung, Hong Kong Constructional Metal Structures Association, gave a presentation entitled “*Design and construction of S690 to S960 high strength steel*”.



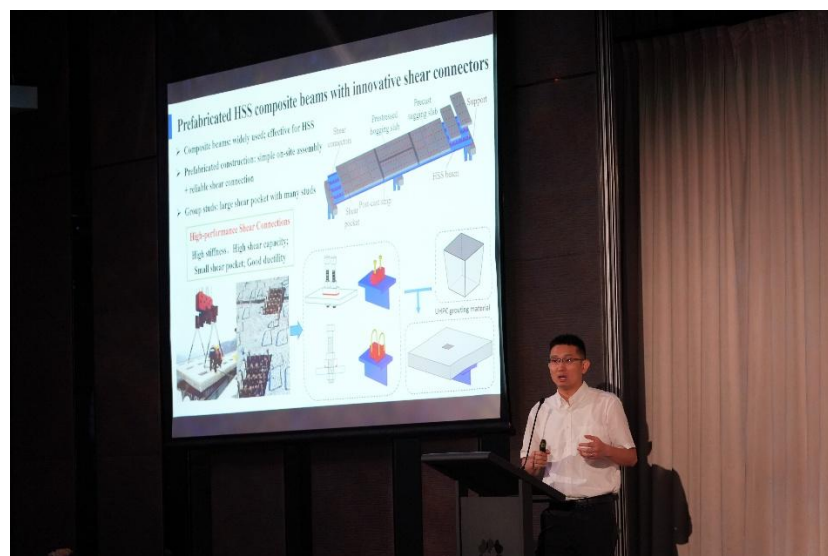
Prof. K. F. Chung.

Prof. Stephen Hicks, Warwick University, U.K., gave a presentation on “*Second-generation of Eurocode 4 – Key changes and innovations in composite construction*”.



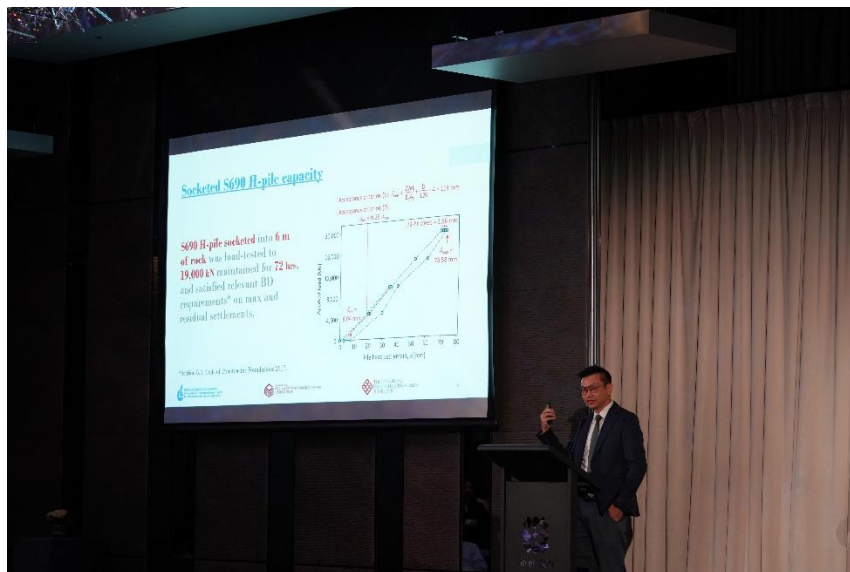
Prof. Stephen Hicks.

Dr. X. D. Wang, Chongqing University, China, gave a presentation on “*Innovative construction in composite bridges*”.



Prof. X. D. Wang.

Prof. Andy Leung, The Hong Kong Polytechnic University, gave a presentation entitled “*Field investigation into structural behaviour of socketed S690 steel H-piles*”.



Prof. Andy Leung.

Dr. H. C. Ho, The Hong Kong Polytechnic University, gave a presentation entitled “*Effective use of S690 steel in footbridge substructures and building foundations*”.



Dr. H. C. Ho.

Ir Rosaline Lau, AECOM, gave a presentation entitled “*Design of foundations using socketed S690 steel H-piles*”.



Ir Rosaline Lau.

Prof. K. F. Chung wrapped up the event by giving a Concluding Remarks.



Concluding Remarks by Prof. K. F. Chung, Founding Director of CNERC.