

Chinese National Conference on Construction Steel Structures 2023 2023.06.02-05

The Chinese National Conference on Construction Steel Structures organized by the China Construction Metal Structure Association was held in Shanghai from 2 to 4 June 2023. The Conference received guidance from Ministry of Housing and Urban-Rural Development and Ministry of Industry and Information Technology of China, with support from Shanghai Municipal Commission of Housing and Urban-Rural Development. Prof. K. F. Chung, Director of CNERC, Dr. H. C. Ho, Deputy Executive Secretary, Dr. Y. F. Hu, Research Assistant Professor, and Ms. M. F. Zhu, Research Associate, were invited to attend the Conference.



Prof. Chung with Prof. J. P. Hao, President of China Construction Metal Structure Association



Prof. Chung with Prof. A. L. Zhang, Vice President of CCMSA Ms. X. Y. Sun and Academician Prof. H. C. Jiang

On 3 June 2023, Dr. Ho attended the Conference of Provincial and Municipal Associations for the China Construction Metal Structure Association. He listened to the work reports of representative from various provincial of the CCMSA for the year 2022. He also engaged in in-depth communication with the attending representatives.



Dr. Ho with the Presidents of provincial of the Chinese Construction Metal Structure Association

On 4 June 2023, Prof. Chung was invited to deliver a keynote presentation titled "Research and Engineering Applications of High Strength Q690 Steel." He shared the systematic research conducted over more than a decade on 690MPa high strength steel structures by CNERC. Starting from the mechanical properties and microstructure analysis of Q690 steel, Prof. Chung gradually expanded the research scope to welding control, structural behaviour, and standard formulation for high strength Q690 steel. This ultimately facilitated its practical application in engineering projects in Hong Kong and mainland China, such as the completed CBL, a double-arch steel bridge in Tseung Kwan O, and the ongoing construction of the steel roof at Yuen Long Sports Centre. The presentation was detailed and informative, receiving enthusiastic and positive feedback from the audience.





Prof. Chung gave a keynote speech on "Research and Engineering Applications of High Strength Q690 Steel."

On 5 June 2023, with the invitation from Ms. L. F. Ma, Chief Engineer of Shanghai Zhenhua Heavy Industries Co., Ltd. (ZPMC), Prof. Chung and his team visited the office of ZPMC. They engaged in discussions with department heads and chief engineers of ZPMC, exploring the status of gradually use of high strength steel into various engineering projects all over the world. They also exchanged opinions on issues related to the certification of welding process specifications for high strength steel, evaluation of welders, and the on-site supervision of welding in Hong Kong.



Prof. Chung and his team with Ms. L. F. Ma and other representatives from ZPMC