

The Fourth Greater Bay Area Smart Steel Construction and Building Technology Exchange Conference 2025.05.08

On 8 May 2025, Dr. H. C. Ho, Deputy Executive Secretary of CNERC, attended the Fourth Greater Bay Area Steel Structure Intelligent Construction and Building Industrialization Technology Exchange Conference held in Guangzhou Poly World Trade Expo Centre. Dr. Ho was invited by the Guangdong Steel Structure Association as a keynote speaker and delivered a special report on “Ultra-high Strength S960 Pedestrian Steel Bridge”.

The Conference was jointly organized by Guangdong Steel Structure Association, Hong Kong Constructional Metal Structures Association, Macau Construction Industry Association and China Construction Steel Structure Co., Ltd., and co-organized by Guangdong Construction Engineering Green and Prefabricated Development Association Parts Branch and Guangdong Hongwei International Exhibition Group Co., Ltd., attracting more than 150 experts, scholars and corporate representatives from related fields across Mainland China. The Conference aims to promote the development of intelligent construction technology for steel structures, promote the in-depth application of building industrialization, and provide a platform for innovation and exchange for the industry.

In his special report, Dr. Ho introduced in detail the breakthroughs of this new S960 high-strength steel in advanced steel structure design, construction technology and intelligent welding robot applications, and shared the first application case of this technology in the global infrastructure field. His speech not only demonstrated the superior performance of S960 high-strength steel, but also explained its significant advantages in improving construction speed, reducing construction period and reducing costs, providing a new development direction for the future development of the steel structure industry.



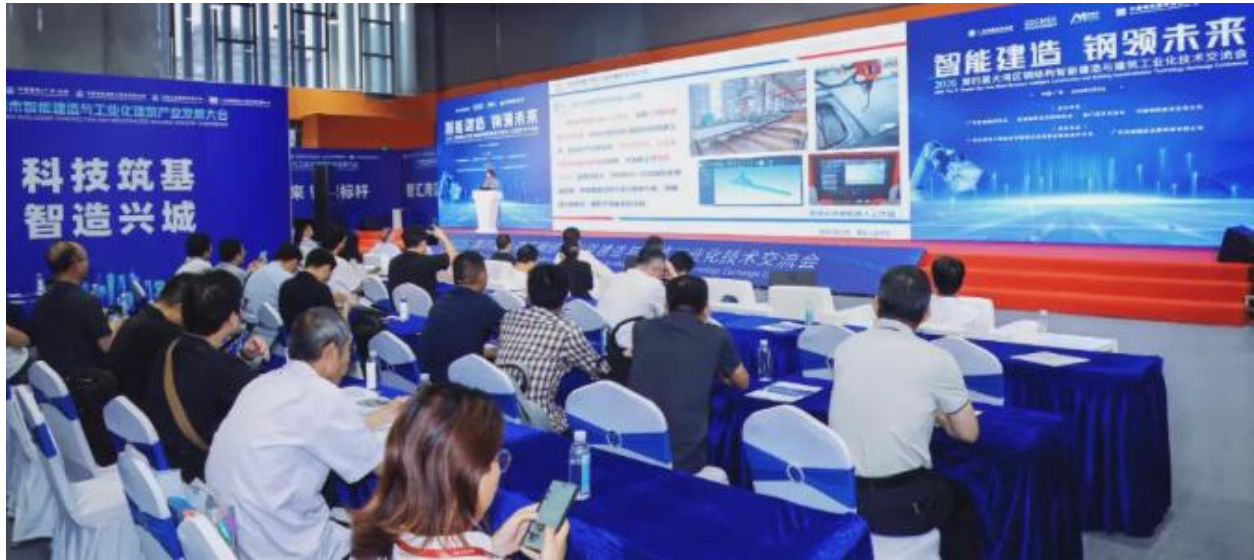
Technical presentation delivered by Dr. H C Ho on a topic of Design and construction of Ultra-High-Strength S960 Steel Footbridge

Highlights of the Conference

The Conference invited several prominent experts and scholars from the industry to attend and deliver keynote speeches. Notable attendees included:

- Z. M. Chen, Chief Engineer of China State Construction Steel Structure Co., Ltd. and President of the Guangdong Steel Structure Association;
- S. T. Wang, Senior Expert in the Chinese Steel Structure Industry, Professor at South China University of Technology, and Honorary President of the Guangdong Steel Structure Association;
- H. Wei, Chief Engineer of South China University of Technology Architectural Design and Research Institute Co., Ltd.;
- Z. R. Jiang, Associate Professor of South China University of Technology and Executive Vice President of Guangdong Steel Structure Association
- X. Kong, Professor at the School of Civil Engineering, Hunan University;
- K. N. Ho, Deputy Dean and Professor at the School of Civil and Transportation Engineering, Guangdong University of Technology;
- L. Hua, Chief Engineer of Steel Structures at the China Railway Bridge Engineering Bureau Group Jingjiang Heavy Industry Co., Ltd.;
- Q. Q. Wang, General Manager of the Digital Division at Jinggong Steel Structure Group;
- B. Hu, Technical Manager at China State Third Engineering Bureau Steel Structure Technology South China Company;
- T. Zhang, R&D Director at China State Construction Steel Structure Intelligent Manufacturing Research Institute;
- H. C. Ho, Secretary General of Hong Kong Constructional Metal Structures Association; and
- Xie Xiangyang, Deputy Secretary-General of the Macau Construction Industry Association.

During the Conference, the attendees engaged in in-depth discussions on topics such as intelligent construction of steel structures, the application of building industrialization, and future development trends.



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Conclusion and Outlook

This technical exchange conference provided a high-level platform for experts and practitioners in the fields of steel structure intelligent construction and building industrialization. By focusing on industry innovation and technological applications, the conference further advanced the technological progress and cross-regional cooperation within the steel structure sector. Looking ahead, with the continuous development of high-strength steel and intelligent technologies, the Greater Bay Area is poised to lead the forefront of building industrialization in a more efficient and environmentally friendly manner, injecting sustained momentum into the industry's growth.