

The 8th International Conference on Steel and Aluminium Structures, Hong Kong SAR 2016.12.07-09

The 8th International Conference on Steel and Aluminium Structures (ICSAS) was successfully held from 7th to 9th December 2016 in Hong Kong. The ICSAS aims to promote the application of steel and aluminium structures worldwide, and provide a platform for international experts and scholars to exchange, collaborate and promote the use of steel and aluminium structures. It is one of the most important events in the field of steel and aluminium structures.

The ICSAS was held since 1987, and the first ICSAS was held in Cardiff, England (1987), and it was held every four years thereafter in Singapore (1991), Istanbul (1995), Helsinki, Finland (1999), Sydney, Australia (2003), Oxford, U.K. (2007), Kuching, Malaysia (2011) and the next conference will be held at the University of Bradford, U.K. (2019).

This year, the ICSAS was organized by the University of Hong Kong and co-organized by the Chinese National Engineering Research Center for Steel Construction (Hong Kong Branch) [CNERC], the Institution of Structural Engineers, the Hong Kong Institution of Engineers, and the Hong Kong Institute of Steel Construction, which attracted experts and scholars from China, United States, Australia, Spain, Singapore, Japan, Korea, Brazil, South Africa and other places to participate.



Organizer:
University of Hong Kong

Co-organizers:





Group photo of experts and scholars of the 8th ICSAS.

During the opening ceremony, several keynote speakers given a presentation to the conference, including Prof. Ben Young, University of Hong Kong, Prof. Han Linhai, Tsinghua University, Prof. Leroy Gardner, Imperial College London, Prof. Dennis Lam, Ford University, Prof. K J.R. Rasmussen and Prof. Brian Uy, University of Sydney, and Prof. Richard Liew, National University of Singapore. These presentations clearly set the tone for the conference that participants could fully understand the current status of steel and aluminium structures in industrial development, and from the research reports of these world's top scholars, delegates could actively participate in further development and promotion of the steel and aluminium structures.

Contribution of the CNERC

The CNERC delegation team who participated in the ICSAS included: Prof. K.F. Chung, Director of the CNERC, Dr. Michael Yam, Deputy Director and Secretary General, Dr. T.M. Chan, Deputy Secretary General, Dr. H.C. Ho, Deputy Secretary General, and PhD students Mr. Liu Xiao and Miss Shirmy Lin. As a co-organizer, the CNERC delegation team actively participated in the major activities of the conference, conducted academic exchange and presented the background, development and recent update of the CNERC to the scholars and experts from all over the world. In return, the CNERC received numerous positive feedbacks and collaboration proposals, which confirmed the CNERC's crucial position as a bridge connecting the Chinese steel construction and the world.

On 7th December, as chaired by Prof. K.F. Chung, Director of the CNERC, the CNERC held its first international advisory committee meeting. Dr. Michael Yam, Deputy Director and Secretary General, Dr. T.M. Chan and Dr. H.C. Ho, Deputy Secretary General also attended the meeting on behalf of the CNERC. During the meeting, Prof. K.F. Chung gave a detailed presentation of the background and development of the CNERC, fully expressed the work of the CNERC in promoting Chinese Steel Construction Industry to the world, and also exchanged with the committee members on views of the research and education training areas.



Prof. K.F. Chung reported the current development and status of the CNERC to the International Advisory Committee.

Moreover, the CNERC delegates presented 3 academic papers in the ICSAS, and demonstrated the CNERC's achievement in the research of residual stress in welding and hysteretic behaviour of the steel materials, which attracted attention and inquiry of a number of international experts and scholars.

Title of the academic papers:

Prof. K.F. Chung: Low Cycle High Strain Cyclic Tests on Steel Coupons of High Strength S690 Steel Welded Sections
Dr. H.C. Ho: Experimental Investigation into Hysteretic Behaviour of High Strength S690 Steel Under Different Targeted Strains
Mr. Liu Xiao: Advanced Numerical Modelling on Welded S355 & S690 Steel H-Sections for Residual Stresses



Presentation of Dr. H.C. Ho and Mr. Liu Xiao.



Li Wei, Han Linhai, K.F. Chung, Hou Chao.



Hou Chao, H.C. Ho, K.F. Chung, Tan Kanghai, Li Wei, Huang Zhenyu.