

## **International Symposium on Advances in Steel and Composite Structures, Hong Kong SAR 2015.11.27**

On 27<sup>th</sup> November 2015, the International Symposium on Advances in Steel and Composite Structures 2015 was organized by the Hong Kong Polytechnic University and the Hong Kong Constructional Metal Structural Association, with the support from the Construction Industry Council and the Development Bureau of the Government of Hong Kong SAR. During the Opening Ceremony, approval to establishment of the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) by Ministry of Science and Technology, People's Republic of China was formally announced. This was widely considered as a milestone of the Hong Kong Construction Industry. The Hong Kong Branch would be officially launched in December 2015 in Hong Kong.

Distinguished Guests and Speakers of the International Symposium included:

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| <b>Prof. X.H. Zhou</b>      | President, Chongqing University, and Academician, the Chinese Academy of Engineering, PRC  |
| <b>Ir C.K. Hon</b>          | Permanent Secretary for Development (Works), Development Bureau, the Government of Hong Kong SAR   |
| <b>Prof. Y.J. Shi</b>       | Tsinghua University, Beijing, PRC  |
| <b>Prof. L. Gardner</b>     | Imperial College London, U.K.  |
| <b>Dr. R. Sham</b>          | Director, Long Span and Special Bridge Group, AECOM, Hong Kong SAR   |
| <b>Prof. S.P. Chiew</b>     | Singapore Institute of Technology, Singapore   |
| <b>Dr. Gary S.K.</b>        | Chou Chun Wo Construction Engineering Co. Ltd., Hong Kong SAR  |
| <b>Prof. Y.L. Xu</b>        | Dean, Faculty of Construction and Environment, the Hong Kong Polytechnic University, Hong Kong SAR   |
| <b>Prof. H.K. Lam</b>       | Head, Department of Civil and Environmental Engineering, the Hong Kong Polytechnic University, Hong Kong SAR   |
| <b>Prof. K.F. Chung</b>     | Director, Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch), the Hong Kong Polytechnic University, Hong Kong SAR                            |
| <b>Dr. Michael C.H. Yam</b> | Deputy Director & Secretary General, Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch), the Hong Kong Polytechnic University, Hong Kong SAR |
| <b>Dr. T.M. Chan</b>        | Deputy Secretary General, Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch), the Hong Kong Polytechnic University, Hong Kong SAR            |



Prof. K.F. Chung kicked-off the International Symposium and announced the list of keynote speakers

There were 150 engineers from both government departments and public sectors attending the Symposium. Moreover, academics and research students from Hong Kong universities also came to join this event.



Distinguished guests of the International Symposium



Distinguished guests : Prof. Y. L. Xu, Ir C. K. Hon, Prof. X. H. Zhou, and Prof. K. F. Chung

This International Symposium was organized as a technical platform for renowned researchers and engineers to disseminate their research findings on advanced construction technology of steel and composite structures with special emphases on practical applications. Moreover, technical advancement and development of the steel constructional industry in various countries was reviewed.

During the Opening Ceremony, Ir C. K. Hon addressed to the Symposium that professional collaboration between China and Hong Kong SAR was essential to prosperity of both parties, and it would bring along many opportunities for socio-economic developments with synergy. He also stated that the Government of Hong Kong SAR was fully committed to support research and development of the Construction Industry.



Full house of the International Symposium



Opening speech by Ir C.K. Hon



Prof. K.F. Chung presenting a souvenir to Ir C.K. Hon

The second event in the Opening Ceremony was “The Awards of Outstanding Engineers for 30th Anniversary of Chinese Steel Construction Society”. As authorized by the Chinese Steel Construction Society, the Hong Kong Constructional Metal Structures Association presented the Awards to the following three Hong Kong engineers owing to their outstanding contributions to structural engineering and steel construction:

- Ir Dr. C.K. Lau Former Director, Highways Department, the Government of Hong Kong SAR, and Past President, the Hong Kong Institute of Engineers
- Ir C.T. Wong Former Chief Engineer, Architectural Services Department, the Government of Hong Kong SAR
- Ir H.Y. Lee Vice President, the Hong Kong Constructional Metal Structures Association



Prof. X.H. Zhou and Prof. K.F. Chung presenting the “Award of Outstanding Engineer” to Ir C.T. Wong



Award winners taking photo with the distinguished guests

The third event of the Opening Ceremony was the announcement of approval of establishment of Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) by Prof. K.F. Chung who introduced concisely missions of the Hong Kong Branch: i) to provide a technical platform of steel construction on an international level, and ii) to promote research and development, technological advancement as well as internationalization of the Hong Kong Construction Industry. More importantly, the Hong Kong Branch would contribute to developments of the Chinese Steel Construction Industry through technical promotion on application of quality Chinese steel materials to the international construction market.



Prof. K.F. Chung announced approval of establishment of the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch)



A photo taken for celebrating approval of establishment of the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) among Ir C.K. Hon, Prof. K.F. Chung and Prof. X.H. Zhou

Both Ir C.K. Hon and Prof. X.H. Zhou congratulated Prof. K.F. Chung for securing approval of establishment of the Hong Kong Branch, and a photo was taken among them to register the achievement.

The final event of the Opening Ceremony was the Keynote Presentation by Prof. X.H. Zhou, and the title of his presentation was “Opportunities and challenges for Chinese Steel Construction Industry Going Aboard”. Prof. Zhou was a prominent expert in steel construction in China, and he explored both opportunities and challenges for internationalization of the Chinese Steel Construction Industry in working on overseas construction projects.



Prof. X.H. Zhou delivering his keynote presentation

The keynote speaker was the president of Chongqing University, academician Zhou Xu-hong. His topic is “The opportunities and challenges for Chinese Steel Structure to go Global”. Academician Zhou Xu-hong is a celebrated expert on steel engineer, and he had made a global review on Chinese constructional steel industry and wisely advised future development.



Prof. K.F. Chung and Prof. Y.L. Xu presenting souvenir to academician X.H. Zhou

In addition, a total of seven eminent experts in steel construction were invited to share their experiences in research and development as well as construction projects. The titles of their presentations are listed as follows:

- Design of steel structures to Eurocode 3 and alternative approaches

*Prof. L. Gardner, Imperial College London*

- Recent advances in structural application of high strength steel materials and members in China

*Prof. Y.J. Shi, Tsinghua University*

- Recent developments in modern steel bridges

*Ir. Dr. R. Sham, AECOM Long Span and Special Bridge Group*

- Use of equivalent structural steel materials in Singapore

*Prof. S.P. Chiew, Singapore Institution of Technology*

- Bolted connections in beams and ties in practical structural steelwork

*Dr. Michael C.H. Yam, the Hong Kong Polytechnic University*

- Cyclic behavior of steel connections with replaceable links and shape memory alloy components

*Dr. T.M. Chan, the Hong Kong Polytechnic University*

- A review on steel construction in Hong Kong and Macau

*Ir Dr. Gary S.K. Chou, Chun Wo Construction & Engineering Co. Ltd*



Prof. L. Gardner, Imperial College London



Prof. Y.J. Shi, Tsinghua University





Ir. Dr. R. Sham, AECOM Long Span



Prof. S.P. Chiew, Singapore and Special Bridge Group Institution of Technology



Dr. Michael C.H. Yam, the Hong Kong Polytechnic University



Dr. T.M. Chan, the Hong Kong Polytechnic University



Ir Dr. Gary S.K. Chou, Chun Wo Construction & Engineering Co. Ltd



A group photo for speakers

From left: Prof. Y.J. Shi, Prof. L. Gardner, Prof. K.F. Chung, Prof. S.P. Chiew, Ir Dr. Gary S.K. Chou, Ir Dr. R. Sham, Prof. B. Young, Dr. T.M. Chan, and Ir Dr. Michael C.H. Yam