

CNERC

NEWSLETTER

APRIL 2018 Issue

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FEATURE STORY

High-level Visit of Shougang Group to PolyU and CNERC

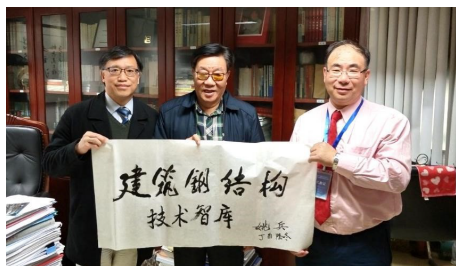
A team of delegates from Shougang Group visited The Hong Kong Polytechnic University on 24 April 2018. The breakout delegation team who visited the CNERC included:

- Dr. Tian Zhihong, Assistant to Dean of Shougang Research Institute of Technology
- Dr. Liu Yu, Chief Engineer of Shougang Research Institute of Technology
- Mr. Qi Weizhong, Manager of Assembled Construction Division, Beijing Shougang Construction Group Company Limited
- Mr. Yuan Nixi, professional designer of Beijing Shougang International Engineering Technology Company Limited
- Ms. Sun Wei, Assistant Director of the Liaison Office of the General of the Leading Group for Beijing Talent Affairs
- Ms. Sun Wenwen, Assistant Director of the Liaison Office of the General of the Leading Group for Beijing Talent Affairs



NEWS

Official visit to Beijing, China



Through the liaison of the President's Office of The Hong Kong Polytechnic University and the Headquarter of The Institution of Structural Engineers, U.K., the CNERC and the Hong Kong Constructional Metal Structures Association (HKCMSA) paid an official visit to Beijing during 15 – 17 January 2018, and carried out academic and industrial exchanges with various industrial counterparts, institutions and research institutes.

Prof. B. Yao, Vice-President of the Ministry of Housing and Urban-Rural Development, President of the Discipline Inspection Commission and Former President of China Construction Metal Structure Association given his calligraphy of "Think Tank of Steel Structure Engineering" to the CNERC as an appreciation of the work of the Hong Kong Branch.

NEWS

Visit by Mr. David Foster, Director of Croucher Foundation

Mr. David Foster, Director of Croucher Foundation visited the CNERC on 26 January 2018. Prof. K.F. Chung introduced to him background of the CNERC, and its primary objectives on supporting infrastructure development of Hong Kong. Moreover, Prof. Chung presented recent developments and major research projects of the CNERC, including:

1. Development of Hong Kong Construction Industry and China Steel Construction Industry, and their synergy in overseas construction projects,
2. Equivalent steel materials design of Chinese steel for overseas construction projects,
3. Effective use of high performance steel materials: Q690 ~ Q960, and
4. Innovative application of structural engineering to construction.

Mr. Foster commented on the work of the CNERC as he had a general interest on engineering as well as on steel structures. Mr. Foster was very interested to explore opportunities to support further development of the work of the CNERC.



Visit by Professor Jose Torero of University of Maryland, U.S.A.



Prof. Torero is an internationally renowned expert in the fields of fire safety and resilience, and his research interest includes fire dynamics, flame spread, smouldering, combustion in microgravity, smoke detection, protection and suppression systems. He is currently the John L. Bryan Chair in Fire Protection Engineering of the A. James Clark School of Engineering at the University of Maryland (UMD) as well as Director of the Center for Disaster Resilience of the Department of Civil and Environmental Engineering.

Visit by Mr. Liu Zhiming, Deputy Inspector (Education and Science), Liaison Office of the Central People's Government in Hong Kong SAR

Mr. Liu Zhiming, Deputy Inspector (Education and Science), Liaison Office of the Central People's Government in Hong Kong SAR visited the CNERC on 14 February 2018. He highly appreciated the work of the CNERC, and proposed to further strengthen exchange and collaboration between the Liaison Office and the CNERC.



Visit to Steel Construction Institute and Imperial College London, U. K.



CNERC paid an official visit to the Steel Construction Institute (SCI) in the United Kingdom for technical exchange and meeting on 21 February 2018.

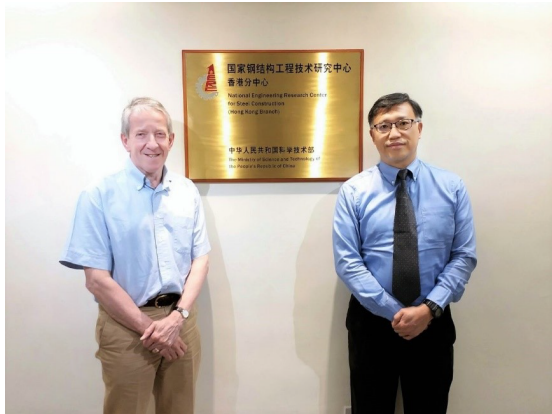
The CNERC delegation team consisted of:

- Ir Prof. K.F. Chung, Director of CNERC
- Dr. T.M. Chan, Deputy Secretary General of CNERC

The CNERC team visited the following SCI delegates:

- Dr. Nancy Baddoo, Associate Director
- Professor Mark Lawson, Professor of Construction Systems, University of Surrey
- Dr. Bassam Burgan, Director
- Dr. Eleftherios Aggelopoulos, Senior Engineer

NEWS



Prof. David Nethercot, Emeritus Professor of Imperial College London and Distinguished Chair Professor of Structural Engineering and Steel Construction at PolyU, as well as Advisor of CNERC visited the CNERC on 27 February 2018, PolyU.



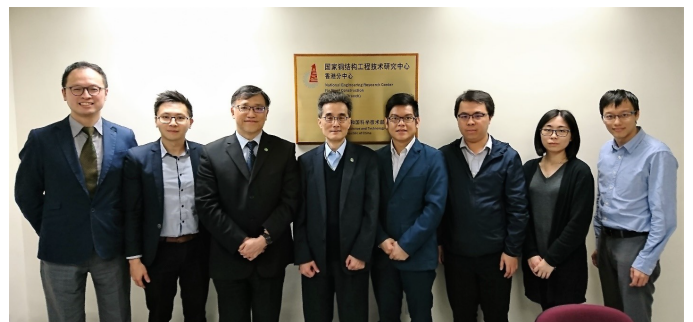
Project team of the CNERC receiving PTec's Outstanding Professional Services Awards 2017 on 2 March 2018 at the Awards Presentation Ceremony held in Hotel ICON.



Mr. Wang Kai, Research Assistant of CNERC had an oral presentation for his PhD examination in PolyU on 9 March 2018.

The examiners included:

- Prof. Eiki Yamaguchi, External Examiner, Kyushu Institute of Technology, Japan
- Prof. C.W. Lim, External Examiner, City University of Hong Kong, HKSAR
- Prof. K. F. Chung, Research Supervisor, Hong Kong Polytechnic University, HKSAR
- Dr. J. G. Dai, Chairman, Board of Examiners, Hong Kong Polytechnic University, HKSAR



Ir Henry Fung, Director of Industry Development, Construction Industry Council (CIC) and a team of CIC delegates visited the CNERC on 15 March 2018, PolyU.

Visit by Ir Dr the Hon Lo Wai Kwok, SBS, MH, JP, Member of Legislative Council of the Hong Kong SAR

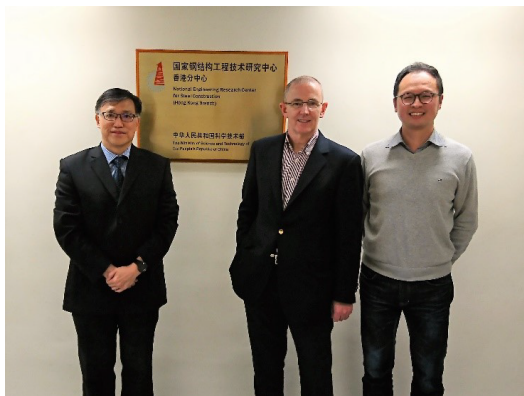


Ir Dr the Hon Lo Wai Kwok, SBS, MH, JP, Member of Legislative Council of the Hong Kong Special Administrative Region, representing the Engineering Functional Constituency visited the CNERC on 20 March 2018. Prof. K. F. Chung reported the work progress of the CNERC since its establishment and its recent development, as well as the major research projects, in particular:

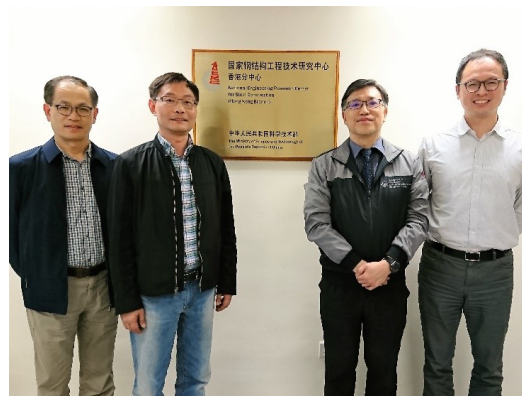
1. Equivalent steel materials design using high quality Chinese steel materials, and
2. Effective use of high performance steel materials Q690 ~ Q960.

Dr. Lo highly appreciated the work of the CNERC, and advised to strengthen research and development on the State's Key Science and Technology, and specifically in the Guangdong-Hong Kong-Macao Bay Area.

NEWS



Mr. Martin Powell, Chief Executive of The Institution of Structural Engineers visited the CNERC on 22 March 2018, PolyU.



Mr. C. H. Wu, General Manager of Changzhou Changhong Moulds Co., Ltd. and Mr. H. M. Li, CEO of Sky Concord Group Limited visited the CNERC on 26 March 2018, PolyU.

Visit by Prof. Richard J.Y. Liew, National University of Singapore

Prof. Richard J.Y. Liew, Deputy Head (Research), Department of Civil and Environmental Engineering of National University of Singapore visited the CNERC on 28 March 2018. Prof. K. F. Chung updated the work progress of the CNERC since Prof. Liew's last visit to Hong Kong in December 2016 and its recent development, as well as the major research projects. Prof. Liew appreciated the work of the CNERC, and looking forward to future research collaboration with the Centre.



Official Visit to Beijing, China



The Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) [CNERC] and the Hong Kong Constructional Metal Structures Association (HKCMSA) paid an official visit to Beijing, China for technical exchange and meeting from 2 – 3 April 2018.

The delegation team consisted of:

- Ir Prof. K. F. Chung, Director of CNERC and Chairman of HKCMSA
- Mr. Y. K. Pang, Secretary of HKCMSA

During the 2-day visit, the CNERC met the following leaders in Beijing:

- Prof. J. D. Chi, China Iron and Steel Association
- Mr. B. W. Dang, China Construction Metal Structure Association
- Prof. J. Zhang, Vice President of Shougang Research Institute of Technology
- Prof. Y. J. Shi, Tsinghua University, Beijing
- Prof. J. T. Han, University of Science and Technology Beijing
- Prof. X. G. Li, University of Science and Technology Beijing

The two-day visit was successfully held that the CNERC had conducted numerous academic and industrial exchanges with various research institutes and academic institutions to report the development and progress of the CNERC.

NEWS

Visit of Guangdong Provincial Department of Science and Technology

A team of delegates from Guangdong Provincial Department of Science and Technology visited The Hong Kong Polytechnic University on 13 April 2018.

The delegation team included:

- Mr. R. J. Wang, Director of Guangdong Provincial Department of Science and Technology
 - Mr. L. Zeng, Dean of Guangdong Academy of Science and Technology Service Industry (Director of Department of Exchange and Collaboration, Guangdong Provincial Department of Science and Technology)
 - Mr. M. Dong, Project Director of Department of Exchange and Collaboration, Guangdong Provincial Department of Science and Technology
 - Ms. Melanie Fung, Assistant Manager (Policy and Development) of Innovation & Technology Commission
- The delegation team visited the Structural Engineering Research Laboratory of the Hong Kong Polytechnic University.



Ir C. K. Hon, JP Permanent Secretary for Development (Works), Development Bureau of the Government of Hong Kong SAR, visited the CNERC on 20 April 2018.



Mr. Matthew Lai of Wo Lee Steel visited the CNERC on 26 April 2018.

UPCOMING EVENTS

International Conference on Engineering Research and Practice for Steel Construction (ICSC2018)

The First International Conference organized by CNERC to promote engineering research and practice of steel construction. Major updates of the Conference:

- 8 world leading academics and engineers from the U.K., Japan, China, Singapore and Hong Kong as keynote speakers;
- 12 special sessions on various related topics; and
- About 100 conference abstracts/papers received.

The Online Conference Registration will begin on 1 May 2018. For details of the Conference, please visit our conference website at <http://www.icsc2018.com/>.

UPCOMING EVENTS

CNERC Professional Engineering Forum 2018 “Design of Building and Structures in Low to Moderate Seismicity Regions”

The CNERC is going to organize a Professional Engineering Forum 2018 on 4 June 2018 (Monday). Three world class experts are going to present current issues for structural and geotechnical engineers and seismicity performance of limited ductile RC buildings in low to moderate seismicity regions. In addition, one of our Professional Guides – “Design of Buildings and Structures in Low to Moderate Seismicity Regions” is going to launch alongside the Forum.

This Professional Guide represents a small contribution towards the building of world community resilience to natural disasters. The underlying objective is to maintain living standards, and improve security, in the face of regular natural disasters such as earthquakes and extreme weather conditions. The scope of the undertaking in its entirety is very broad. Expertise from many disciplines has been drawn upon. Managing natural disasters entails developing adequate mitigation measures and adequate levels of preparedness, and putting in place the capacity to respond effectively as the disaster arises and to engineer a smooth recovery back to the norm. Many disaster mitigation measures exist involving both existing and newly constructed built facilities. This Professional Guide is concerned specifically with mitigating the impact of future disasters by improving the robustness of newly constructed buildings in places where earthquakes are infrequent. The targeted readers are designers and regulators of building structures situated in regions of low and moderate seismicity.

Speakers:

- Mr. Edmund Booth, The Institution of Structural Engineers
- Professor Nelson Lam, The Centre for Disaster Management and Public Safety, The University of Melbourne
- Professor John Wilson, The Swinburne University of Technology, Australia

Date: 4 June 2018, Monday

Time: 2:00 pm - 5:30pm (Registration will start at 2:00 pm)

Venue: Senate Room M1603, Li Ka Shing Tower, The Hong Kong Polytechnic University

Note: This event is by invitation only.

For details of other CNERC's upcoming events, please check out our website at:

<https://www.polyu.edu.hk/cnerc-steel/news-events-upcoming.html>

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