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"The Third Seminar on Belt and Road Cooperation: *Advancing Global Presence of China's Construction Industry*"
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Prof. K. F. Chung, Director of CNERC was invited by China Construction Metal Structure Association (CCMSA) to attend "**The Third Seminar on Belt and Road Cooperation: *Advancing Global Presence of China's Construction Industry***", and to deliver a keynote speech entitled "*Comparison between Greater Bay Area 690 to 960 MPa Structural Steel Design Standard and EU Structural Steel Design Standard EN 1993-1*". Prof. Y.J. Shi from Tsinghua University was also invited to give a keynote speech on "*Progress on a Comparative Study on Steel Codes Among Chinese and Overseas Construction Industry for Technical Compatibility and Alignment*". This was a high-level research and development project commissioned by **Ministry of Housing and Urban-Rural Development**, and jointly undertaken by Tsinghua University, CCMSA, The Hong Kong Polytechnic University and China Construction Science and Industry Corporation Ltd..

In order to implement the official directive of the 20th CPC National Congress, and to explore the path of "Going Global" of Chinese construction enterprises in the coming years, The Third Seminar on Belt and Road Cooperation: *Advancing Global Presence of China's Construction Industry* was successfully held in Nanning, Guangxi on December 3. This Seminar also actively promoted international cooperation and exchange for construction of new cities in China.

The Seminar was officiated by

- President **Qi QU** — China Construction Metal Structure Association
- Counselor **Xin CHEN** — Department of Standards and Norms, Ministry of Housing and Urban-Rural Development

- Director **Kai MAO** Research Institute of Standards and Norms, Ministry of Housing and Urban-Rural Development
- President **Ji MA** Guangxi Construction Industry Association

Mr. **Qi QU**
President of CCMSA

Ms. **Xin CHEN**
Counselor of DSN, MHURD

Ms. **Kai MAO**
Director of RISN, MHURD

Mr. **Ji MA**
President of GCIA

The Seminar was co-chaired by Prof. Y.F. Luo, Tongji University and Deputy General Manager J.X. Zhang, Beijing Urban Construction Group Co., Ltd.. Prof. Y.J. Shi from Tsinghua University and Prof. K.F. Chung from The Hong Kong Polytechnic University were invited to give keynote speeches.

Prof. Y.J. Shi delivered a presentation on "*Progress on a Comparative Study on Steel Codes among Chinese and Overseas Construction Industry for Technical Compatibility and Alignment*" which highlighted three aspects: research background and target, main achievements and preliminary proposals. The report received high praise and recognition from the audience.

Dr. X.L. Yu, a Research Fellow of CNERC, represented Prof. K.F. Chung to make a presentation on "*Comparison between Greater Bay Area 690 to 960 MPa Structural Steel Design Standard and EU Structural Steel Design Standard EN 1993-1*". Key aspects of the presentation included a background of the Greater Bay Area (GBA) standard, its key contents and comparison with EN 1993-1, applicability and significance of the GBA standard.

Prof. Y.J. Shi
Tsinghua University

Dr. X.L. Yu
CNERC

It should be noted that these two research and development projects are closely related, and both of them aim to promote internationalization of Chinese standards and their comparisons with foreign standards. Moreover, they provide suggestions for China's steel products, and also steel fabricators to "Go Global" through the use of “equivalent steel design” to replace foreign steel materials and structures.

The GBA standard is drafted to introduce design concepts and calculation methods of the European standard EN 1993-1, while re-presents in appropriate formulations and expressions of the Chinese standard GB 50017. This helps design and construction engineers understand and use the GBA standard, according to Chinese design methodology and international engineering guidance for effective use of high strength steel in the Greater Bay Area and overseas.

Research Institute of Standards and Norms of Ministry of Housing and Urban-Rural Development, P. R. China 国家住房和城乡建设部 标准定额研究所

住房和城乡建设部标准定额研究所于 1983 年经原国家科委批准成立，为国家公益一类科研事业单位，主要承担全国工程建设标准定额的研究和具体组织编制与管理工作，是国内唯一一家既从事工程技术标准，又从事工程经济指标研究的国家级科研单位。标准定额研究所自成立以来，工作重点一直是标准、定额及方法参数的技术管理、政策研究、重点项目编制及技术咨询服务等。

Project of Fundamental Research on Standardization of Engineering Construction (2024) 工程建设标准化基础研究（2024 年）项目

工程建设标准化基础研究项目是 2023 年首次设立的以开展工程建设标准化基础研究为主要内容的研究项目，旨在贯彻落实习近平总书记关于加强基础研究的重要指示批示精神，推动标准化与科技创新互动发展。工程建设标准化是提升工程质量、保障安全、提高效率的重要手段。随着技术进步和市场需求的变化，标准化工作需不断更新和完善，以适应新形势。项目目标为完善标准体系、提升标准质量、促进技术创新、加强国际对接。工程建设标准化基础研究对提升行业水平、推动技术进步、增强国际竞争力具有重要意义。通过系统研究，将为工程建设标准化提供科学依据和实践指导。

China Construction Metal Structure Association 中国建筑金属结构协会

中国建筑金属结构协会成立于 1981 年，是由从事建筑金属结构行业的企业、科研机构、设计单位及相关专业人士自愿组成的全国性、行业性、非营利性社会组织。协会的宗旨是推动建筑金属结构行业的技术进步、质量提升和可持续发展，促进行业内的交流与合作，维护会员的合法权益，为政府决策提供支持。其主要职能包括：行业服务、标准制定、技术交流、政策建议和国际合作。协会的行业管理部门为国家住房和城乡建设部，协会下设 25 个分支机构，负责不同领域的行业管理、技术推广、标准制定、培训交流等工作。中国建筑金属结构协会在推动中国建筑金属结构行业的技术进步和规范化发展、标准化建设和国际交流方面发挥了重要作用。