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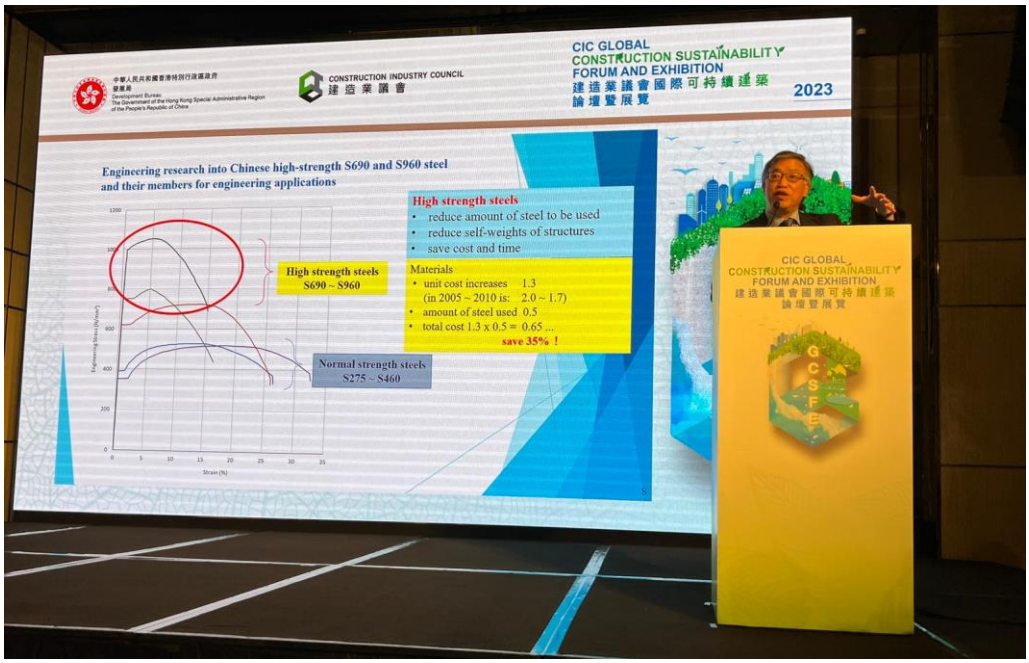
CIC's Global Construction Sustainability Forum and Exhibition 2023
2023.11.20-22

Prof. K. F. Chung, Director of CNERC was invited to deliver a keynote presentation in the ***Carbon Neutrality Forum*** on 22 November 2023 which was part of **The Global Construction Sustainability Forum and Exhibition 2023 (GCSFE 2023)** jointly organized by the Development Bureau of the Government of Hong Kong SAR, and the Construction Industry Council. It was a four-day event from 20 to 23 November held at The Ritz-Carlton Kowloon at the International Commercial Centre at the West Kowloon District.

GCSFE 2023 was the first-of-its-kind construction sustainability mega event in Hong Kong, with an aim to address sustainable development in the construction industry featuring exhibitions, forums, award ceremonies, charter signing ceremonies, and technical tours. These activities were devised to connect various aspects of industry transformation, and to promote innovation in digitalisation, cross-border and cross-sector collaboration, and development in the ESG (Environmental, Social, and Governance) field. It was officiated by Ms. Bernadette Linn, Secretary for Development at the Opening Ceremony on 20 November 2023 after a Welcome Remarks given by Ir Thomas Ho, Chairman of Construction Industry Council.

A group photo taken during the Opening Ceremony of the Carbon Neutrality and Safety Forum

On 22 November 2023, Ir Prof. K. F. Chung gave a keynote presentation entitled "*Effective Use of High Strength S690 & S960 Steel in Construction - Efficiency for Sustainability*".



Keynote presentation of the Forum

"Effective Use of High Strength S690 & S960 Steel in Construction - Efficiency for Sustainability" by Ir Prof. K. F. Chung.

Applications of high strength S690 and S960 steels to buildings and bridges are very attractive owing to their high strength to self-weight ratios, and their effective use will bring fundamental changes to the ways we design and construct.

This presentation will highlight latest research findings of these high strength steel conducted at CNERC, and also engineering applications supported by complementary technical documents and design standards. The effective use of these high strength steel will lead to significant savings in materials, costs and time to our construction industry as a whole, and hence, a considerable reduction in carbon emission.