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Webinar on MiC Technology – “Application of steel tubular sections in MiC” 2021.01.14

The third CNERC and Hong Kong Constructional Metal Structures Association jointly organized webinar on MiC Technology was held on 14 January 2021. We were privileged to have Dr. T. M. Chan, Associate Professor of the Department of Civil and Environmental Engineering at The Hong Kong Polytechnic University to share his research findings and the engineering applications. His presentation title was “Application of steel tubular sections in MiC”. Over 270 engineers had attended the webinar, and the participants actively participated in the Q&A session.



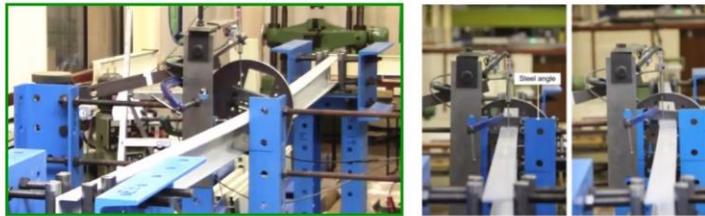
Dr. T. M. Chan, speaker of the webinar (right), and Dr. H. C. Ho, host of the webinar (left).

Presentation title: Application of steel tubular sections in MiC

Abstract:

Tubular construction is synonymous with modern architecture. The familiar range of steel tubular sections includes square, rectangular, circular and elliptical tubular sections. This seminar will present an overview on the historical development of tubular construction, the manufacturing routes of those tubular sections and the corresponding worldwide practical design information to inform the choice of this type of construction in particular towards MiC. Application of tubular connections and recent research on steel tubular members with polygonal cross-sections will also be discussed.

Steel Tubular Beams



Nguyen-Tien T., Chan T.-M., Mottram J.M., "Lateral-torsional buckling resistance by testing for pultruded FRP beams under different loading and displacement boundary conditions", Composites Part-B - Engineering, 68, 306-318, 2014



High Torsional Rigidity

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MiC webinar on “Application of steel tubular sections in MiC”.