

Technical Talk

Erection of Spatial Structures – Experience and Lesson Learnt

Synopsis

A few projects of spatial structures made of steel with unique feature which have been constructed in Malaysia over the period of approximately last 10-15 years will be introduced. Projects to be introduced include spatial structures used in convention and exhibition center, pedestrian bridge and commercial center.

Experience and lessons learnt from the projects will be presented. Critical factors for facilitating the erection process of large span spatial structures will also be highlighted.



About the Speaker

Dr. Choong Kok Keong

Dr. Choong Kok Keong was previously affiliated with School of Civil Engineering Universiti Sains Malaysia until his retirement in 2023. After retirement, he continued to serve USM as honorary professor. His field of research is in the area of computational analysis of shell & spatial structures. After his retirement, he still actively engages with industry in the form of collaborative study on structural behaviour of structure, evaluation of structural performance of existing structure, vibration of structure, durability of membrane materials etc. He also provides technical advice to projects on spatial structure.

The latest project where Dr. Choong has been engaged to provide technical advice is the Malaysia-Singapore cross-border train service project where Dr. Choong was specifically engaged by the main contractor to provide technical advice on the aspect of analysis of the steel structure of the Bukit Chagar train station in Johor Bahru. Dr. Choong is a professional engineer registered with the Board of Engineers Malaysia since 2016.



22 Oct 2026 (Thur)



6.00pm – 8.00pm



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Moderator:

Ir. Yeap Geok Ngoh