



Future Of Design And Engineering

by Mr. Hew Choon Sheng

Mr. Hew Choon Sheng is currently an observer in Civil and Structural Engineering Technical Division (CSETD).

The Civil and Structural Engineering Technical Division (CSETD) organized an evening talk on 'Future Of Design And Engineering'. The talk was held on 30th April 2019 at Auditorium Tan Sri Prof Ching Fung Kee, Wisma IEM. The speaker was Ir. Ng Pek Har, who obtained her degree from University of Malaya in 1985. Ir Ng has been practicing engineer since 1990 with wealth of experience in design consultancy on residential and institutional buildings as well as on Geotechnical and Civil engineering projects.

This talk was chaired by Ir. Yasotha Chetty, committee member of CSETD and was attended by 46 participants. The 46 participants included engineers from engineering consultants, contracting firms, government agencies and local authorities as well as faculty members from local institutions of higher learning.

Ir. Ng commenced his talk by introducing what is future of structural design and the needs of innovative structural design. 'Building or structure come from special shape, not in rectangular or squarish shape in the future'.

Ir. Ng shared with the participants how to carry out optimum structural analysis and design and the detailing of the reinforce concrete.



Ir. Ng delivering the talk

Ir. Ng then continued with some case study on which her teams are doing. She explained that with the propel finite elements analysis method the structure can be designed in thinner section to meet the requirement from architect/ client.

At the end of the talk, there were questions raised by the audience which Ir Ng answered and clarified in more details. Ir. Ng emphasis again during the Q&A section, whereby, propel finite elements analysis is a must in future engineering design.

At the end of the event, the CSETD chairman, Ir. Chong presented a token of appreciation to Ir. Ng.



Presentation of memento by Ir. Chong to Ir. Ng