



2 - day refresher course on “In Structural Engineering with Particular Reference to the Chartered membership Examination of The Institution of Structural Engineers, United Kingdom”

by Ir. Dr Kwong Kok Zee

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The Civil and Structural Engineering Technical Division (CSETD) and The Institution of Structural Engineers (Malaysia Regional Group) have jointly organized a 2-day refresher course on ‘In Structural Engineering with Particular Reference to the Chartered membership Examination of The Institution of Structural Engineers, United Kingdom’. The 2-day seminar was held on 20th – 21st November 2019 at Armada Hotel, Petaling Jaya, Selangor. The speakers were Mr. Rajavel Inbarajan and Mr. Steve Yeung from The Institution of Structural Engineers. Mr. Rajavel Inbarajan has more than 25 years of quality and varied experience in conceptual design, detailed design and project management of very large structural and civil engineering projects in international and cross-cultural set-up. Mr. Rajavel has been appointed by IStructE as an examiner for the Chartered Membership Examination in 2008 and continues this prestigious role ever since. Mr. Steve Yong has more than 28 years of working experience in the offshore oil & gas, mining and power generation industries. He has been a Marking Examiner for IStructE and participating in marking the CME scripts annually since 2007.

This seminar was chaired by IStructE and was attended by 58 participants. The 58 participants included engineers from engineering consultants, contracting firms, government agencies and local authorities as well as faculty members from local institutions of higher learning.

The seminar was divided into 4 sections for each day. In Day 1, Mr. Rajavel commenced his talk by briefly explained the Chartered Membership Examination (CME) of IStructE in a chief examiner’s perspective. Mr. Rajavel also shared the format of the CME and also some of the do’s and do not’s in CME.

Mr. Rajavel concentrated on the structural systems for foundation including the shallow foundations, deep foundations and earth retaining structures. Mr. Rajavel also introduced the application of approximate method analysis such as portal method and cantilever method on the beam-slab system. He explained that the aim of structural design is to have a simplified, easy to construct and sustainable structure. Then, Mr. Rajavel shared with the participants on the probable solution to IStructE CME questions. Some of the questions in 2018 and 2019 were discussed.

Next, Mr. Steve talked on the purpose of the CME and its structure with some of the important points highlighted in answering the conceptual design in the CME questions. Mr. Steve also shared the letter format communicating with the clients and the requirement in preparing the structural drawing. The participants were advised to produce a minimum of three details for each CME questions. Lastly, Mr. Steve explained on the ways in answering the CME question related to the construction issues such as the method statements and programmes.

At the end of the event, the Session Chair invited IStructE representative to present the token of appreciation to Mr. Rajavel and Mr. Steve.



Presentation of memento to Mr. Rajavel



Presentation of memento to Mr. Steve