

Workshop on Eurocode 7: 19th Nov 2014

Reported by Ir. Yee Yew Weng, Secretary General, MGS

Prof. Dr. Brian Simpson conducted a 1-day design workshop on “Eurocode 7” at the Professor Chin Fung Kee Auditorium, Wisma IEM. Prof. Simpson began by explaining the evolution of the Eurocodes over a period of more than five decades. He then proceeded to introduce the Euro Norms, with particular emphasis being on EN1990 and EN1997. He illustrated limit state design principles, partial safety factors, design values of actions and their effects which are given in EN1990, with specific applications on geotechnical design. On Eurocode 7, the different design approaches, load combinations and characteristic values were explained with the help of worked examples.

After the tea break, Prof. Simpson resumed the workshop by explaining how the Eurocodes aim to execute the design with the help of complementary documents such as the British Standards (BS), Published Documents (PD) and Non-Conflicting Complementary Information (NCCI). He then moved on to expound on Eurocode 7, Section 6 in particular the approach to the design of Shallow Foundations with the help of illustrations and worked examples before breaking for lunch.

In the third session, Prof. Simpson introduced a number of commentaries written on Eurocode 7 and also the features contained in the online facility (Eurocodes Plus). Section 7 of Eurocode 7 on Piled Foundations was explored to an appreciable depth with concise examples.

During the last session, Prof. Simpson touched on Sections 3, 4, 5, 10 and 11 of Eurocode 7 Part 1 and on Eurocode 7 Part 2. He answered questions from the audience in regard to which design direction are to be followed for specific cases, model factors and effect of different load tests on design of Piled Foundations.

The workshop ended with presentation of certificate of appreciation to Prof. Simpson.



The design workshop on “Eurocode 7” at Professor Chin Fung Kee Auditorium attended by 40 engineers