EUROCODE 2
ADVANCED CONCRETE DESIGN

DATE
26 & 29 SEP 2014

TIME
8.45AM TO 5.30PM
(Registration starts at 8.30am)

VENUE
HDB CENTRE OF BUILDING RESEARCH
No. 10 Woodlands Ave 8, Singapore 738973

FEES
S$481.50
PDUs/STUs (To be advised)

KEY TAKE-AWAYS
- 2-Day workshop on the advanced design of concrete building structures using Eurocode 2
- Design of prestressed concrete structures, columns, beams
- Application of strut & tie analysis of concrete regions that is not conforming to flexural principle
- Design foundations & retaining
- Develop economical design of core walls
- Offers practical design experience with lectures and hands-on tutorial sessions

KEY TOPICS
- Deflection Calculations to EC2 for SLS
- Design for Prestressed Concrete Structures to EC2:
  ~ Prestress Losses
  ~ Load Balancing Method
  ~ SLS
  ~ ULS
  ~ Worked Examples
- Design for RC structures with Strut-and-Tie model to EC2
- Design for Torsion, Slender Columns & Analysis of RC walls to EC2
- Progressive collapse of RC structures

For more details, click HERE

WORKSHOP SPEAKER

Professor TAN KANG HAI
Division of Structures & Mechanics, School of Civil & Environmental Engineering, Nanyang Technological University (NTU)

Prof Tan Kang Hai obtained his BSc(Eng) and PhD from the University of Manchester, UK. He is Director of Protective Technology Research Centre, NTU. Prior to joining NTU, he worked as a graduate engineer in Ove Arup & Partners, UK. He is a registered Professional Engineer in Singapore. He has been involved in many fire engineering consultancy works including analysis and design of steel structures in clean room facilities, storage racks, A&A works on structural fire resistance aspect at Changi Terminal 1 and consultancy to HDB on the upgrading of SCCAD computer system to Eurocode for structural concrete. He also served as Chairman of a few task force groups on Structural Eurocodes relating to structural fire applications. He is currently working with Defence Science Technology Agency and the Ministry of Home Affairs on mitigating progressive collapse of buildings due to extreme intended loading. He has regularly conducted Eurocode courses in Singapore, Malaysia and Hong Kong for Civil/Structural Engineers. He has written close to 120 SCI (mostly top tier) journal papers for concrete and steel structures.

For enquiries or registration, kindly call 6665 1454 or email kenneth.wong@ntuclearninghub.com by Monday 22 Sep 2014.