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2 DAYS SEMINAR ON DESIGN OF REINFORCED CONCRETE STRUCTURE USING EUROCODE 2

(Jointly Organised by IEM YES Penang & YES HQ)

Date : **9th & 10th November 2017 (Thursday & Friday)**
Time : **9.00 am – 5.00 pm**
Venue : **Inti International College Penang, Room LR 605**
Moderator : **Mr Ong Chong Yong**
Speaker : **Assoc. Prof. Dr. Fatimah De'nan**

BEM Approved
CPD/PDP Hours: 13
Ref No:
IEM17/PG/415/S

Register ONLINE at www.myiem.org.my
Closing Date: 6 Nov 2017

Synopsis

This course is intended to give the basic knowledge in reinforced concrete design to Eurocode 2 (EC2). The main part of the course will focus on the contents of EC2 and design basis for bending, shear, serviceability limit states, and durability and detailing requirements. Design steps for basic structural elements such as beam, slab, column, foundation and stair will be discussed.

Course objectives/learning outcomes:

Upon completion of the course, participants will be able to:

- Describe the contents and structure of EC2.
- Identify the design basis and design criteria of EC2.
- Perform basic calculations for ultimate limit state and serviceability limit state based on EC2.
- Design reinforced concrete elements using EC2.

Speaker' Profile

ASSOC. PROF. DR. FATIMAH DE'NAN

Assoc. Prof. Dr. Fatimah De'nan, graduated with a Diploma in Civil Engineering (UTM) 1997, B.Tech & Edu. (Civil Eng) (UTM) 2000, MSc (Structural Engineering) (USM) 2002 and PhD (UTM) 2008.

She is a Lecturer at the School of Civil Engineering, Universiti Sains Malaysia since 2008. Before joining the USM, she worked for consultant firm and had significant exposure to several field and design works. While being at the USM, she continues providing consultancy services especially in steel structures design and testing to the industries.

Her main research interests are Steel Structure, Concrete Structure, Structural Analysis, Design and Testing, Finite Element Analysis, Non Uniform Steel Section Behavior and Thin Structure. Structural Engineering subjects taught includes Design of Steel and Timber Structures, Concrete and Fluid Mechanics Laboratory, Structural Engineering and Strength of Materials Laboratory, Reinforced Concrete Structural Design 1, Strength of Materials, Integrated Design Project, Dynamics and Stability of Structures, Principles of Structural Design, Advanced Structural Mechanics. Since 2011, she was appointed as a member of an academic panel (Engineering Division) for the Matriculation Programme, Ministry of Education, Malaysia. She had also successfully supervised 26 Final Year Projects, 9 MSc. At present there are 2 PhD and 3 MSc students still being supervised.

She is active in publishing papers for International Journals, Conferences and Seminars, and reviewing papers for International Journals and Conferences. Dr Fatimah actively involves in professional organizations such as Education Committee Member of Malaysian Structural Steel Association (MSSA), Member of Concrete Society of Malaysia (CSM), and Committee Member of Experimental Society of Malaysia. She received 4 International awards for her research products in 2011, 2012 and 2016. In National level, she had received 9 awards since 2012 until present for Open Ideas Steel competition by Malaysian structural Steel Association (MSSA). Other than that, she also actively involved in community service and had received excellence achievement (one award for national level and 4 awards for university level) in community service in 2015 and 2016 from USM. She also has a copyright for her steel product, patent pending and several copyright ready to publish.

Tentative Programme

Day 1 (9th November 2017) Thursday	
Time	**Details**
0845-0900	Registration
0900-1030	-Introduction to Structural Eurocodes and EC2
1030-1100	Tea Break
1100-1230	Continue -Introduction to Structural Eurocodes and EC2
1230-1330	Lunch
1330-1430	Continue -Introduction to Structural Eurocodes and EC2
1430-1530	-Design of Slabs -Design of Staircases
1530-1600	Tea Break
1600-1700	Continue… -Design of Slabs -Design of Staircases
1700-1730	Q & A

Day 2 (10 November 2017) Friday	
Time	**Details**
0845-0900	Registration
0900-1030	-Design of Beams -Design of Columns
1030-1100	Tea Break
1100-1230	Continue -Design of Beams -Design of Columns
1230-1330	Lunch
1330-1430	Continue -Design of Beams -Design of Columns
1430-1530	-Design of Foundations
1530-1600	Tea Break
1600-1700	Continue… -Design of Foundations
1700-1730	Q & A

Who should attend?

This short course is intended for young practicing civil engineers working in public agencies or private sector, postgraduate students, academicians and consultants who wish to upgrade their knowledge in reinforced concrete design.

R E G I S T R A T I O N F E E

2-Days Seminar on Design of Reinforced Concrete Structure Using Eurocode 2

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Time : 9.00 am – 5.00 pm
Venue : Inti International College Penang, Room LR 605
Moderator : Mr Ong Chong Yong

REGISTRATION FEE (Subject to 6% GST)				
IEM Student Member	IEM Graduate Member	IEM Corporate Member	Non-Member	Senior IEM Member > 60 years old
RM250	RM500	RM700	RM900	RM250

Terms & Conditions:

- Payment shall be made via ONLINE PAYMENT [via Credit Card] or via CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER
- For online registrations, please note that **payment MUST be made on registration.**
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non-refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.