

REGISTRATION FORM

One Day Course on Design and Construction of Modern CFRD

Thursday, 26th November 2015

Fax: 03-7957 7678 Email: nurul@iem.org.my Website: www.myiem.org.my

Name of Organisation: _____
Mailing Address: _____
E-mail: _____
Mobile: _____ Tel(O): _____ Fax: _____
Contact Person: _____ Designation: _____
Signature: _____ Date: _____

(Please write clearly as the "Information Update" will be sent via email)

I / We* wish to enrol the following person(s) for the above-mentioned Course. Details are as follows:

Name(s)	Membership No. & Grade	Fees (RM)
	Sub Total:	
	Add GST @ 6%:	
	Total Amount Payable:	

PAYMENT DETAILS

Enclosed herewith:

- Cash (RM _____)
- Cheque no. _____ for the amount of RM _____
(non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"
account and crossed 'A/C Payee Only'.
- Request for Pro-forma Invoice before _____
- Request for Tax Invoice before _____ (issue after payment made)

I/We* understand that the fee is not refundable if I/We withdraw after my/our* application is/are* accepted by the Organising Committee but substitution of participant will be allowed. If I/We* fail to attend the Course, I/We will still pay the registration.

Terms & Conditions

- ✓ For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master].
- ✓ Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL 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.
- ✓ Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- ✓ The Organizing 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.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the Course. No cancellation of registration will be accepted 1 day prior to the date of the event or during the event day. Replacement or substitute name and additional fees however, can be made at least 3 days prior to the event date.



Organised by:

Geotechnical Engineering Technical Division,
The Institution of Engineers, Malaysia

ONE DAY COURSE ON DESIGN AND CONSTRUCTION OF MODERN CFRD

Date/Day:

Thursday, 26th November 2015

Time: 8.30 am – 5.30 pm

Speaker: Prof. Dr Zeping Xu

Venue: Tan Sri Ir. Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM
No. 21, Jalan Selangor, 46200 Petaling Jaya, Selangor Darul Ehsan

Manage by: IEM Training Centre Sdn Bhd

REGISTRATION FEE (GST NOT INCLUDED):

Grades	Normal Fee (Via email and Fax)	Online Fee (Log-in IEM website)
IEM Student Member	RM 150.00	RM 100.00
IEM Graduate Member	RM 300.00	RM 250.00
IEM Corporate Member	RM 400.00	RM 350.00
Non-IEM Member	RM 700.00	RM 650.00

Closing Date:

24th November 2015

BEM APPROVED CPD/PDP: 7.0 Hours
Ref. No.: IEM15/HQ/419/C

Important Note:

IEM members are required to produce their membership cards for CPD scanning at the start and end of the Course.

SYNOPSIS

This short course presents the design and construction of Modern CFRD (Concrete Face Rockfill Dam). The topics in the course is inclusive of:

- 1 **Introduction**
 - Dam types of rockfill dam
 - Basic description of CFRD
 - Advantages of CFRD
- 2 **Developing history of CFRD**
 - Characteristics of modern CFRD
 - Typical CFRD projects in the world
- 3 **CFRD design**
 - General layout
 - Construction materials
 - Section zoning
 - Joint system and waterstop structure
 - Numerical analysis
 - Modeling test
- 4 **Construction technologies**
 - Foundation treatment
 - Plinth construction
 - Rockfill compaction
 - Construction of transition zone
 - Face slabs construction
 - Construction of upstream earth fill
- 5 **CFRD upon earthquake**
 - Case investigation: Zipingpu CFRD
 - Failure mode of CFRD
 - Dynamic analysis method
- 6 **Challenges of high CFRD construction**
 - Performance of recent high CFRD projects
 - CFRD built upon severe conditions
 - Analysis on the mechanism of the damages of high CFRD
- 7 **Innovations and developing trends for the future**
 - Traditional concepts of CFRD construction
 - Recommendations on high CFRD construction
 - Principles on integrated deformation control and coordination

BIODATA OF SPEAKER



Prof. Dr Zeping Xu, is a professor and senior engineer of China Institute of Water Resources and Hydropower Research. He graduated in Engineering Mechanics from Hohai University, China, in 1984, and then completed post-graduate course in Geotechnical Engineering and got PhD degree in China Institute of Water Resources and Hydropower Research (IWHR). He has more than 20 years of experience in the field of dam engineering, especially in rockfill dam engineering, working as researcher, dam engineer and engineering consultant. He is the chairman for the Technical Committee on Embankment and dams (TC210) of International Society for Soil Mechanics & Geotechnical Engineering (ISSMGE), deputy secretary general of Chinese National Committee on Large Dams (CHINCOLD) and vice director of the technical committee of CFRD in China. He is also ICOLD technical committee member on dam safety and capacity building. Dr Xu mainly focuses on the studies of rockfill dam engineering, numerical analysis of geotechnical engineering, geotechnical testing, centrifuge modeling and assessment of dam safety. He has been keynote speaker of several international conferences and symposiums. He is the general reporter of Question 98 of the 25th ICOLD conference (Stavanger, Norway, 2015).

TENTATIVE PROGRAMME

Time			Details
8.00am	-	9.00am	Registration & Log-in
9.00m	-	9.15am	Opening Address
9.15am	-	10.15am	Topic 1: Introduction Topic 2: Developing history of CFRD
10.15am	-	10.30am	Coffee/Tea Break
10.30am	-	12.30am	Topic 3: CFRD design
12.30pm	-	1.30pm	Lunch
1.30pm	-	2.30pm	Topic 4: Construction technologies
2.30pm	-	3.30pm	Topic 5: CFRD upon earthquake
3.30pm	-	3.45pm	Coffee/Tea Break
3.45pm	-	5.00pm	Topic 6: Challenges of high CFRD construction Topic 7: Innovations and developing trends for the future
5.00pm	-	5.30pm	Conclusions
			Log-out & Collection of Certificate

DATA PROTECTION ACT

I have read and understand the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.