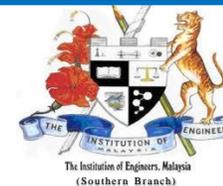


Universiti Teknologi Malaysia Construction Research Centre (UTM CRC)  
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 81310 Johor Bahru, Johor, Malaysia  
 tel: (6)07-5531935, (6)07-5531616  
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 email: utmcrc@gmail.com mohammadaminazimi@yahoo.com  
 website: http://www.construction.utm.my/utmcrc

**CLOSING DATE:  
 19 JAN 2015**

**BEM Approved  
 CPD/PDP Hours: 6.5  
 Ref No: IEM14/SB/453/C**



**UTM CRC One Day Short Course  
 CONSTRUCTION INDUSTRY & ENVIRONMENTAL ISSUES: ALTERNATIVES & SOLUTIONS**

**REGISTRATION FORM**

No.	Name (s)	M' ship No	Grade	Fees (RM)
			Total Payable	

Enclosed herewith a cheque (No. : \_\_\_\_\_) for the sum of RM\_\_\_\_\_ issued in favour of "BENDAHARI UNIVERSITI TEKNOLOGI MALAYSIA" and crossed 'A/C Payee Only'. I/We understand that the fee is not refundable if I/we withdraw after my/our registration is accepted by the Committee but substitution of participants will be allowed. If I/we fail to attend the course, the fee paid would not be refunded.

Contact Person:.....  
 Designation: .....  
 Name of Organisation: .....  
 Address: .....  
 .....  
 Tel (O) : ..... Tel (HP) : .....  
 Fax No. : ..... E-mail : .....

.....  
 Signature & Stamp Date  
 (Photocopies are acceptable)

**UTM CRC One Day Short Course  
 CONSTRUCTION INDUSTRY & ENVIRONMENTAL  
 ISSUES: ALTERNATIVES & SOLUTIONS**  
 Organised by  
 Construction Research Centre, Universiti Teknologi Malaysia (CRC-UTM)  
 The Institution of Engineers, Malaysia (IEM) - Southern Branch

**Date** : 24 January 2015 (Saturday)  
**Time** : 8.00 am - 5.00 pm  
**Venue** : Seminar room AL-Rushd, DK 2, Blok A, V01, Faculty of Biosciences and Biomedical Engineering, UTM  
**Speakers** : Prof. Dr. Jahangir Mirza

**REGISTRATIO FEE:**

Grade	Fees (RM)
IEM members	RM300
Non IEM members	RM350
Students	RM150

**Closing Date: 19<sup>nd</sup> January 2015**  
 All payment must be made **before 21<sup>th</sup> January 2015**

## **SYNOPSIS**

The aim of this short course is to enlighten the participants about the most current and applied research available on Construction Industry and Environmental issues. Alternatives and solutions involving minimal cement usage and maximized use of industrial/agricultural recyclable materials in green construction will be discussed. The presentations will include salient technical, energy-related, environmental, and economical advantages of using those materials in construction applications. The course will also provide valuable insight to people from utilities and other industries producing recyclable materials. Knowledgeable Professor engaged in using those materials will present state-of-the-art information.

## **OBJECTIVE**

Discuss the issues related to concrete constituents and environmental impacts, concrete properties, causes of concrete deterioration, alternative solutions to use recyclable agricultural, industrial and natural recyclable materials for sustainable construction industry to reduce cost, energy, natural resources and GHG emissions, and surface repair materials for deteriorated concrete.

<b>Time</b>	<b>Program Tentative</b>
<b>8.00 – 9.00</b>	Registration
<b>9.00 – 9.10</b>	- Welcoming Remarks
<b>9.10 – 10.15</b>	- Session 1 - Why Steel and Wood, Why not Concrete - Concrete Constituents and Environmental Impacts
<b>10.15 – 10.30</b>	- Coffee Break
<b>10.30 – 11.30</b>	- Session 2 - Concrete Constituents and Environmental Impacts (continue)
<b>11.30 – 13.00</b>	- Session 3 - Properties Of Concrete - Causes of Concrete Deterioration
<b>13.00 – 14.00</b>	- Lunch Break
<b>14.00 – 15.15</b>	- Session 4 - Proven Case Studies: Construction Materials
<b>15.15 – 15.30</b>	- Coffee Break
<b>15.30 – 16.30</b>	- Session 5 - Concrete surface repair materials
<b>16.30 – 17.00</b>	- Discussion / Questions & Answers Session
<b>17.00</b>	- End of Seminar

If you require further details or clarifications kindly contact the  
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email: utmcrc@gmail.com mohammadaminazimi@yahoo.com  
website: <http://www.construction.utm.my/utmcrc>

Alternatively, you contact the Organising Committee for further details or clarifications:

Dr. Mohammadamin Azimi +6011-12145901  
Ms. Siti Susiaty Maarof +6019-7087076

## **BIODATA OF SPEAKER**

Dr. Jahangir Mirza, is a senior scientist from Research Institute of Hydro-Québec, Montreal, Canada. Presently, he is a Professor at UTM Construction Research Centre, Universiti Teknologi Malaysia, Johor Bahru, Malaysia. He is primarily involved in APPLIED R & D of materials and their application methods to repair, maintain and rehabilitate concrete structures, develop innovative ways of using natural, industrial and argo--wastes to help decrease cost, energy and environmental problems of concrete industry.

Previously, Dr. Mirza also worked as an adjunct Prof. in the Civil Engineering and Applied Mechanics Department of McGill University, Montreal, Canada, for 8 years. He has authored and co-authored close to 180 technical reports and scientific publications and is a recipient of 16 national and international awards and honors from Canada, Malaysia, Pakistan, U.K. and USA. He is also a member of the Editorial and Advisory Boards of an international journal and conference respectively, as well as a former member of American Concrete Institute, International Concrete Repair Institute, Chemical Institute of Canada and Canadian Dam Safety Association. Dr. Mirza can communicate in 6 languages, namely, English, German, French, Hindi, Urdu and Punjabi.

### **Terms & Conditions:**

•Payment can be made via the following methods:-

1. Self cash bank-in to "BENDAHARI UNIVERSITI TEKNOLOGI MALAYSIA"  
CIMB BANK Current Account No: 80-0605353-6
2. Interbank transfer to "BENDAHARI UNIVERSITI TEKNOLOGI MALAYSIA"  
CIMB BANK Current Account No: 80-0605353-6
3. Cheque made payable to "BENDAHARI UNIVERSITI TEKNOLOGI

MALAYSIA"

•**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 made payment and failed to attend the course, the fee paid is non-refundable.

•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.