

# REGISTRATION FORM

## PERSONAL DATA

Full surname: \_\_\_\_\_

Full name: \_\_\_\_\_

Birthdate: \_\_\_\_\_

Birthplace: \_\_\_\_\_

Study title: \_\_\_\_\_

Company: \_\_\_\_\_

Company address (street, number, ZIP code, town, province): \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

Mobile phone: \_\_\_\_\_

Skype: \_\_\_\_\_

## INVOICING DATA (invoces will be VAT exempted)

Company name: \_\_\_\_\_

or

Full name and surname: \_\_\_\_\_

Address (street, number, ZIP code, town, province) \_\_\_\_\_

VAT \_\_\_\_\_

Fiscal Code \_\_\_\_\_

I authorize the processing of my personal information under D.Lgs. 196/03.

I agree with the processing of my data for receiving information about upcoming courses and for statistical purposes  
At any time, pursuant to D. Lgs. 196/03, I will be able to access my data, request their modification or cancellation.

Signature \_\_\_\_\_

## Summer School Director

**Prof. Marco di Prisco**

marco.diprisco@polimi.it

## Secretary

CTE – Collegio dei Tecnici della Industrializzazione Edilizia

Via G. Zanella, 36 – 20133

Phone: +39 02 36558834

E-mail: info@cte-it.org

## Only for Italians engineers:

### 32 CFP will be certified to post-graduated engineers

*“Il riconoscimento di 32 CFP al presente evento è stato autorizzato dall’Ordine degli Ingegneri della Provincia di Lecco che ne ha valutato anticipatamente i contenuti formativi professionali e la modalità di attuazione”.*

Il corso prevede un test finale orientato a verificare l’acquisizione delle competenze impartite.

CTE – Collegio dei Tecnici della Industrializzazione Edilizia  
in cooperation with

**FIB - Fédération Internationale du Béton e**  
**Ordine degli Ingegneri di Lecco**



## SUMMER SCHOOL 2014

**Fibre Reinforced Concrete (FRC):**

**Material Characterization and Structure Design**

**Lecco Campus, 4<sup>th</sup>-9<sup>th</sup> July, 2014**



## SUMMER SCHOOL PROGRAMME

### FRIDAY, 4<sup>TH</sup> JULY 2014

- 9:00-10:30 Fibre Reinforced Concrete Materials: Introduction (Prof. Banthia)
- 10:30-11:00 *Coffee break*
- 11:00-12:30 Fibre Reinforced Concrete Properties at Fresh and Hardened States (Prof. Banthia)
- Lunch*
- 14:30-16:00 Mechanical Characterization and Classification of Fibre Reinforced Materials (Prof. di Prisco)
- 16:00-16:30 *Coffee break*
- 16:30-18:00 Constitutive Models for Design (Prof. di Prisco)

### SATURDAY, 5<sup>TH</sup> JULY 2014

- 9:00-10:30 Use of Fibre Reinforced Concrete for Structural Monitoring (Prof. Banthia)
- 10:30-11:00 *Coffee break*
- 11:00-12:30 Fibre Reinforced Shotcrete Properties and Fibre Reinforced Concrete for Retrofitting (Prof. Banthia)

**SOCIAL PROGRAMME TO BE DEFINED**  
**SATURDAY, 5<sup>TH</sup> JULY 2014 – 14:00-23:00**  
**SUNDAY, 6<sup>TH</sup> JULY 2014 – 9:00-19:00**

### MONDAY, 7<sup>TH</sup> JULY 2014

- 9:00-10:30 Structure Design Approach According to Model Code 2010 (Prof. di Prisco)
- 10:30-11:00 *Coffee break*
- 11:00-12:30 Case Studies: Reliability of Predictive Models (Prof. di Prisco)
- Lunch*
- 14:30-16:00 Alternative Approaches for Mechanical Characterization (Prof. Walraven)
- 16:00-16:30 *Coffee break*
- 16:30-18:00 Shear Behaviour of Fibre Reinforced Concrete Structural Elements (Prof. Walraven)

## SUMMER SCHOOL PROGRAMME

### TUESDAY, 8<sup>TH</sup> JULY 2014

- 9:00-10:30 Properties of Ultra High Performance Concrete and Their Characterisation (Prof. Walraven)
- 10:30-11:00 *Coffee break*
- 11:00-12:30 Structural Applications and Sustainability (Prof. Walraven)
- Lunch*
- 14:30-16:00 SFRC Advantages in Design of Structural Elements Interacting With Soil (Prof. Falkner)
- 16:00-16:30 *Coffee break*
- 16:30-18:00 SLS Behaviour of Fibre Reinforced Concrete structures (Prof. Falkner)

### WEDNESDAY, 9<sup>TH</sup> JULY 2014

- 9:00-10:30 A Deep View of Reference Design Applications (Prof. Falkner)
- 10:30-11:00 *Coffee break*
- 11:00-12:30 Advanced Applications of SFRC

## REGISTRATION

Only the first 30 post-graduated engineers will be accepted.

The registration fee is **400,00 Euros per person** (VAT exempted, following the Italian Law DPR 633/1972, art. 10 and subsequent amendments), covering course attendance and social events.

To register, please send to [info@cte-it.org](mailto:info@cte-it.org) (if you are a post-graduated engineer)

- registration form
- copy of bank transfer

### POST-GRADUATED ENGINEERS – BANK TRANSFER TO

Collegio dei Tecnici della Industrializzazione Edilizia

IBAN IT49N0306901604100000005511 – SWIFT code BCITITMM

Banca Intesa San Paolo, Filiale n. 4, Viale Piceno, Milano

**Please always specify: FRC DICA SUMMER SCHOOL 2014+YOUR NAME AND SURNAME**

## SUMMER SCHOOL LECTURERS



### Nemkumar Banthia

*Professor, Distinguished University Scholar and Senior Canada Research Chair in Infrastructure Rehabilitation at the University of British Columbia, Canada.* He serves on editorial boards of eight international journals and is the Editor-in-Chief of the J. of Cement and Concrete Composites. Currently he is leading the Canada-India Research Center of Excellence (IC-IMPACTS.com) as its Scientific Director and CEO. His awards include ACI's Wason Medal, Solutions Through Research Award of the BC Innovation Council, Wolfson Merit Award of the Royal Society of the UK, Killam Research Prize, Horst Leipholtz Medal of the Canadian Society for Civil Engineering and the Aftab Mufti Medal of the International Society for Health Monitoring of Infrastructure (ISHMII). He is the fellow of the American Concrete Institute, Canadian Society for Civil Engineering, Indian Concrete Institute, Canadian Academy of Engineering and the Royal Society of Canada.



### Marco di Prisco

*Professor of Structural Design and Precast Structures, Department of Civil and Environmental Engineering at Politecnico di Milano.* Main research interests: constitutive modeling of plain and fibre reinforced concrete, fracture mechanics, composite materials, theoretical and experimental analysis on reinforcement-concrete interaction basic mechanisms and r/c and p/c structural elements, prefabricated structures, structural response at exceptional loads. Editor in Chief of the European Journal of Environmental and Civil Engineering, Associate editor of the J. of Cement and Concrete Composites, member of ACI, RILEM and fib, coauthor of the MC2010 chapters on FRC, he is currently convener of the Commission TC250/SC2/Wg1/Tg2 to introduce FRC in EC2.



### Horst Falkner

*Prof. Dr. Dr. Em. of concrete and concrete Structures, at the University of Braunschweig, 1987–2008.* Designer of all types of concrete structures together with Prof. Leonhardt, Stuttgart. Prof. Leonhardt was also his doctoral father with the thesis: Temperature effects on cracking and the requirement of r.c. reinforcement for crack control. Main research topics: Serviceability conditions for r.c., pc. and frc. structures. „Father“ of water tied concrete structures, such as basements in groundwater, or swimming pools. Designer of bridges, towers and Europe largest project at the end of 20th. Century, The Potsdamer Platz in Berlin. President of VMPA, association of European Laboratories from 1993–2000. Since 1988 up to now Prof. Falkner runs the engineering office IBF in Stuttgart.



### Joost Walraven

*Prof. Em. of Concrete and Concrete Structures, Department of Structural Engineering, Delft University of Technology, The Netherlands* Main research interests: high performance concrete types and their applications, like self-compacting concrete, ultra high performance fibre concrete and ecoconcrete, design of precast concrete structures, shear and punching resistance of concrete structures, residual bearing capacity of existing concrete structures. Convener of Project Team for Eurocode 2 "Concrete Structures" 2000-2004, Convener of fib Special Activity Group 5 "New Model Code for Concrete Structures 2010", Convener of fib Task Group TG 8.6 "Ultra High Performance Fibre Concrete", Convener of Working Group SAG7-B "Assessment of existing structures", President of fib 2000-2002.