

# 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 (invoices will be VAT exempted)

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

or

Name and surname: \_\_\_\_\_

Address: \_\_\_\_\_

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 the upcoming courses and for statistical purpose

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

## Ph.D. Programme Coordinator

**Prof. Roberto Paolucci**

roberto.paolucci@polimi.it

## Secretary for post-graduated engineers

Mrs. Anna Magri

CTE – Collegio dei Tecnici della Industrializzazione Edilizia

Via G. Zanella, 36 – 20133 Milano

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## Secretary for Ph.D. students

Dr. Emanuela Zonca

Department of Civil and Environmental Engineering

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5 CFU will be recognized to students of the Ph.D. Programme in Seismic and Geotechnical Engineering at Politecnico di Milano after the discussion of an assigned homework. [www.dica.polimi.it/dottorato/dot-stru/](http://www.dica.polimi.it/dottorato/dot-stru/)

CFU recognition for other Ph.D. students is committed to the Academic Board of the Ph.D. course they belong to. 32 CFP will be recognized to post-graduate engineers after passing a multiple-choice test.

**For additional information, please visit:**  
<http://www.cte-it.org/>

Department of Civil and Environmental  
Engineering Ph.D. programme in Structural,  
Seismic and Geotechnical Engineering

in collaboration with CTE – Collegio dei Tecnici  
della Industrializzazione Edilizia, Ordine degli  
Ingegneri di Lecco and FIB – International  
Federation for Structural Concrete

POLITECNICO DI MILANO



## SUMMER SCHOOL 2016

*Textile reinforced concrete design  
material and structural behaviour*

**Lecco Campus, 1<sup>st</sup> - 6<sup>th</sup> July, 2016**



**FRIDAY, 1<sup>st</sup> JULY 2016**

09:00 -10:30 Textile materials: introduction  
(Prof. Mechtcherine)

10:30 -11:00 *Coffee break*

11:00 -12:30 Cement based materials properties  
(Prof. di Prisco)

*Lunch*

14:30 -16:00 Durability of the material  
(Prof. Mechtcherine)

16:00 -16:30 *Coffee break*

16:30 -18:00 Textile composites: mechanical parameter identification (Prof. Mechtcherine)

**SATURDAY, 2<sup>nd</sup> JULY 2016**

09:00 -10:30 Textile material: main design parameters  
(Prof. di Prisco)

10:30 -11:00 *Coffee break*

11:00 -12:30 Textile material: mortar/fabric interaction  
(Prof. Mechtcherine)

**SOCIAL PROGRAMME**

**SATURDAY, 2<sup>nd</sup> JULY 2016 – 14:00-23:00**

Visit to Villa del Balbianello

**SUNDAY, 3<sup>th</sup> JULY 2016 – 9:00-19:00**

Trip to Grigna Mountain

**MONDAY, 4<sup>th</sup> JULY 2016**

09:00 -10:30 Textile composite designing: regular and extreme conditions (Prof. di Prisco)

10:30 -11:00 *Coffee break*

11:00 -12:30 Designing with TRC composites, sustainability aspects (Prof. Barros)

*Lunch*

14:30 -16:00 TRC modeling (Prof. Barros)

16:00 -16:30 *Coffee break*

16:30 -18:00 Multilayer composites (Prof. di Prisco)

**TUESDAY, 5<sup>th</sup> JULY 2016**

09:00 -10:30 Multilayered structures (Prof. De Felice)

10:30 -11:00 *Coffee break*

11:00 -12:30 Design of TRC structures (Prof. Barros)

*Lunch*

14:30 -16:00 Examples of structural applications  
(Prof. De Felice)

16:00 -16:30 *Coffee break*

16:30 -18:00 Textile material for retrofitting design  
(Prof. Barros)

**WEDNESDAY, 6<sup>th</sup> JULY 2016**

09:00 -10:30 Retrofitting of structures (Prof. De Felice)

10:30 -11:00 *Coffee break*

11:00 -12:30 Examples of retrofitted structures (Prof. De Felice)

**REGISTRATION**

**Only the first 30 Ph.D. students and 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 [phdissg-dica@polimi.it](mailto:phdissg-dica@polimi.it) (if you are a Ph.D. student) and to [info@cte-it.org](mailto:info@cte-it.org) (if you are a post-graduated engineer)

- registration form
- copy of bank transfer

**PH.D. STUDENTS – BANK TRANSFER TO:**

Politecnico di Milano – Dipartimento di Ingegneria Civile e Ambientale  
IBAN IT29G0569601620000001740X15 - SWIFT code: POSOIT22

Banca Popolare di Sondrio, Ag. 21, Via Bonardi, Milano

**POST-GRADUATED ENGINEERS – BANK TRANSFER TO:**

Collegio dei Tecnici della Industrializzazione Edilizia

IBAN IT06G0335901600100000113883 – SWIFT code BCITITMX

Banca Prossima (Intesa San Paolo), Piazza Paolo Ferrari, Milano

**Please always write: DICA SUMMER SCHOOL 2016 + YOUR NAME AND SURNAME**

**Viktor Mechtcherine**

*Full Professor of Construction Materials and Director of the Institute of Construction Materials at the Technical University Dresden.* His research interests include: fibre-reinforced cement-based materials, rheology, concrete technology, fracture mechanics, durability and new additives. Chairman of the RILEM Technical Committee "Application of Super Absorbent Polymers in Concrete Construction", member of the Steering Committee of the fib Commission 8 "Concrete", the Advisory Board of IAFraMCos, the Presidium of the Collaborative Research Centre "Textile Reinforcement for Structural Strengthening and Retrofitting" of DFG, the Expert Board "Construction products made of fibre-reinforced cementitious materials" of DIBt.

**Joaquim António Oliveira de Barros**

*Full Professor at the Department of Civil Engineering, Minho University, and coordinator of the Structural Composites Group.* His research interests include: structural strengthening, composite materials, fiber reinforced concrete, numerical models based on the finite element techniques for material and geometric nonlinear analysis of structures, and the development of constitutive models for the simulation of the behavior of cement based and polymer based materials, and their implementation in software based on the finite element method (FEM). Member of the RILEM-Committee TC162, Voting Member of the ACI Committees 544, 506 and 440; Coordinator of the Laboratory of the Structural Division of the Civil Engineering Department at Minho University.

**Gianmarco De Felice**

*Full Professor of Technical Construction at the Department of Engineering, Università degli Studi Roma Tre.* His research interests include: mechanics of masonry, structural analysis of monuments, evaluation of seismic safety of masonry and reinforced concrete, safety assessment of bridges, testing of historical masonry structures and reinforce technologies, interaction soil-structure, evaluation of the excavation effects on buildings.

Chairman of the Technical Committee TC-Rilem CSM, member of the Management Committee of COST Action "Next Generation Design Guidelines for Composites in Construction", the International Masonry Society and the National Association of Earthquake Engineering.

**Marco di Prisco**

*Full Professor of Structural Design at the Department of Civil and Environmental Engineering, 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, r/c and p/c structural elements,

prefabricated structures, structural response at exceptional loads, tunnel safety. Honorary Editor of the European Journal of Environmental and Civil Engineering, Associate editor of the J. of Cement and Concrete Composites, member of ACI, the DAC of RILEM, the fib presidium, coauthor of the MC2010 chapters on FRC and convener of the Commission TC250/SC2/Wg1/Tg2 to introduce FRC in EC2.