

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

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roberto.paolucci@polimi.it

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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/

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, 1st - 6th July, 2016



FRIDAY, 1st 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, 2nd 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, 2nd JULY 2016 – 14:00-23:00

Visit to Villa del Balbianello

SUNDAY, 3rd JULY 2016 – 9:00-19:00

Trip to Grigna Mountain

MONDAY, 4th 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, 5th 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, 6th 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 (if you are a Ph.D. student) and to 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 IT29G056960162000001740X15 - 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.