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 Directors

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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/
CFU recognition for other Ph.D. students is committed to the Academic Board of the Ph.D. course they belong to.

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, aicap - Associazione Italiana Cemento Armato Precompresso and *fib* – International Federation for Structural Concrete

POLITECNICO DI MILANO

SUMMER SCHOOL 2026

Textile reinforced concrete: material design and structural behaviour

Lecco Campus, July 3rd - July 8th,

SUMMER SCHOOL PROGRAMME

FRIDAY, 3rd JULY 2026

09:00 -10:30 Cement based materials properties (F. Silva)

10:30 -11:00 *Coffee break*

11:00 -12:30 Textile material: mortar/fabric interaction (F. Silva)

Lunch

14:30 -16:00 Textile-Reinforced Inorganic Matrix Composites: critical issues & mechanical parameter identification (T. Tysmans)

16:00 -16:30 *Coffee break*

16:30 -18:00 Structural design: mechanical parameter influence (T. Tysmans)

SATURDAY, 4th JULY 2026

09:00 -10:30 Durability of the material (B. Ghiassi)

10:30 -11:00 *Coffee break*

11:00 -12:30 High temperature behaviour of TRC (M. Colombo)

SOCIAL PROGRAMME

SATURDAY, 4th JULY 2026 – 14:00-23:00

Visit to Lake Como Villas

SUNDAY, 5th JULY 2026 – 9:00-15:00

Trip to Grigna Mountain

MONDAY, 6th JULY 2026

09:00 -10:30 FRCM: tests for certification and design guidelines (M. di Prisco)

10:30 -11:00 *Coffee break*

11:00 -12:30 Advanced Hybrid solutions (B. Ghiassi)

Lunch

14:30 -16:00 TRC FE Modelling (T. Tysmans)

16:00 -16:30 *Coffee break*

16:30 -18:00 Alternative & next-gen FRCM (F. Silva)

SUMMER SCHOOL PROGRAMME

TUESDAY, 7th JULY 2026

09:00 -10:30 Multilayer structures for structure and energy retrofitting (M. Colombo)

10:30 -11:00 *Coffee break*

11:00 -12:30 Strengthening and seismic retrofitting of masonry structures with textile composites: behavior and design (B. Ghiassi)

Lunch

14:30 -16:00 TRC for light shell structures (T. Tysmanns)

16:00 -16:30 *Coffee break*

16:30 -18:00 Example of application of TRC (F. Silva)

WEDNESDAY, 8th JULY 2026

09:00 -10:30 Strengthening and seismic retrofitting with textile composites: Examples and case studies (B. Ghiassi)

10:30 -11:00 *Coffee break*

11:00 -12:30 Strengthening and seismic retrofitting of RC structures with textile composites: behavior and design (M. di Prisco)

REGISTRATION

The registration fee for on-site attendance 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. **On-line attendance is also possible, the registration fee is 200,00 Euros.**

To register, please send the registration form and copy of the bank transfer to phdissg-dica@polimi.it (if you are a Ph.D. student) or to info@cte-it.org (if you are a post-graduated engineer).

PH.D. STUDENTS – BANK TRANSFER TO:

Politecnico di Milano – Dipartimento di Ingegneria Civile e Ambientale

IBAN IT75X0538701647000049461679 - BIC code: BPMOIT22XXX

BPER, Via Bonardi 4, Milano

Up to 24 CFP will be recognized to post-graduated Engineers by CTE/AICAP, if the multiple-choice test will be passed.

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 2026 + YOUR NAME AND SURNAME

SUMMER SCHOOL LECTURERS

Matteo Colombo - *Associate Professor of Structural Analysis and Design at Politecnico di Milano.* Main research interests: constitutive modelling of fibre reinforced concrete and advanced cementitious composites; lightweight structures made of advanced cementitious composites; behaviour of advanced cementitious composites in extreme condition like freezing and thawing, fire and blast; theoretical, design and experimental analysis on structural elements in normal and extreme conditions. He is member of different National and International committees related to Textile Reinforced Concrete (fib/RILEM), design of structures in case of blast and Impact (fib/RILEM) and Fibre Reinforced Concrete (fib).

Marco di Prisco - Full Professor of Structural Design 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; r/c, p/c, frc structures, prefabricated structures; structural response at exceptional loads; tunnel and bridge safety. Honorary Editor of the European Journal of Environmental and Civil Engineering, member of fib presidium, coauthor of the MC2010 chapters on FRC and convener of the Commission TC250/SC2/Wg1/Tg2 to introduce FRC in EC2.

Bahman Ghiassi - Associate Professor of Sustainable Infrastructure Materials at the University of Birmingham. Main research interests: advanced cementitious composites; textile reinforced mortars and concretes; repair and strengthening; durability and mechanics of materials under extreme conditions; theoretical, design and experimental mechanics. He is member of different National and International committees related to Textile Reinforced Concrete (fib/RILEM) and strengthening of existing masonry and historical structures (RILEM) and is an editor of Construction and Building Materials Journal.

Flávio de Andrade Silva is an Associate Professor and Head of the Civil and Environmental Engineering Department at the Pontifical Catholic University of Rio de Janeiro (PUC-Rio), Rio de Janeiro, Brazil. He is the Deputy Chair of the RILEM Technical Committee 292 MCC and member of several technical committees in ACI and RILEM. His research interests include high performance fiber reinforced cementitious composites, sustainable materials, cement pastes for oil well applications, durability of cement based materials and integration of advanced construction materials to improve structural performance.

Tine Tysmans – Full Professor at the Department of Mechanics of Materials and Constructions at Vrije Universiteit Brussel. Main research interests: sustainable construction; textile reinforced concrete; analysis and design of resource-efficient structures mainly in cementitious composites, such as shell structures sandwich structures, lightweight floor systems; form finding and structural optimization; mechanical characterisation and modelling of thin-walled cementitious composites, durability and longterm behaviour. She is member FIB and RILEM and active member of different (inter)national committees related to Textile Reinforced Concrete structures.