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 my personal data to be processed according to D.Lgs. 196/03.
I agree my personal data being processed to receive information about upcoming courses and for statistical purposes.
Pursuant to D. Lgs. 196/03 I will be able to access my data, request their modification or cancellation at any time.

Signature _____

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5 CFU will be recognized to students of the Ph.D. programme in Structural, Seismic and Geotechnical Engineering (Politecnico di Milano).
CFU recognition for other Ph.D. students is committed to the Academic Board of the Ph.D. course they belong to.

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

Ph.D. Programme in Structural, Seismic and Geotechnical Engineering

POLITECNICO MILANO 1863
DIPARTIMENTO DI INGEGNERIA CIVILE E AMBIENTALE

In collaboration with

Collegio dei Tecnici della Industrializzazione Edilizia

International Federation National for Structural Concrete

SUMMER SCHOOL 2021

Fibre reinforced concrete. Material characterization and structure design.

Lecco Campus, July 2nd – 7th 2021
room B0.2

SUMMER SCHOOL PROGRAMME

FRIDAY, 2nd JULY 2020

9:00-10:30 Fibre reinforced concrete materials: introduction (**Prof. Walraven**)

10:30-11:00 *Coffee break*

11:00-12:30 Fibre reinforced concrete properties at fresh and hardened states (**Prof. Mobasher**)

Lunch

14:30-16:00 Mechanical characterization and classification of fibre reinforced materials (**Prof. Kanstad**)

16:00-16:30 *Coffee break*

16:30-18:00 Constitutive models for design (**Prof. di Prisco**)

SATURDAY, 3rd JULY 2020

9:00-10:30 Creep and shrinkage **(Prof. Mobasher)**

10:30-11:00 *Coffee break*

11:00-12:30 UHPFRC for architectural design (**Prof. Walraven**)

SOCIAL PROGRAMME TO BE DEFINED

SATURDAY 3Trd

JULY 2020 – 14:00-23:00

MONDAY, 5th JULY 2020

9:00-10:30 Structure design approach according to Eurocode 2010 (**Prof. Kanstad**)

10:30-11:00 *Coffee break*

11:00-12:30 Case studies: reliability of predictive models (**Prof. di Prisco**)

Lunch

14:30-16:00 FRC as a sustainable material (**Prof. Mobasher**)

16:00-16:30 *Coffee break*

16:30-18:00 Structural applications in Civil Engineering (**Prof. Walraven**)

SUMMER SCHOOL PROGRAMME

TUESDAY, 6th JULY 2020

9:00-10:30 Properties of Ultra High Performance concrete and their characterization (**Prof. Kanstad**)

10:30-11:00 *Coffee break*

11:00-12:30 Modeling and reliability (**Prof. di Prisco**)

Lunch

14:30-16:00 SFRC models for design of structural elements (**Prof. Mobasher**)

16:00-16:30 *Coffee break*

16:30-18:00 Use of fibre reinforced concrete in soil structure interactions (**Prof. Walraven**)

WEDNESDAY, 7thJULY 2020

9:00-10:30 Design of advanced applications (**Prof. Kanstad**)

10:30-11:00 *Coffee break*

11:00-12:30 Design of FRC in Italy (**Prof. di Prisco**)

REGISTRATION

Only the first 30 Ph.D. students and 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. For PhD students of Politecnico di Milano no registration fee will be required.

To register, please send to phdissg-dica@polimi.it (if you are a Ph.D. student) and to info@cte-it.org (for post- graduate engineer)

- registration form
- copy of bank transfer

PH.D. STUDENTS – BANK TRANSFER TO

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Please always write: FRC DICA SUMMER SCHOOL 2020+YOUR NAME AND SURNAME

SUMMER SCHOOL LECTURERS

Marco di Prisco (Politecnico di Milano). 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, Co- author of the MC2010 chapters on FRC, he is currently convener of the Commission TC250/SC2/Wg1/Tg2 to introduce FRC in EC2.

Terje Kanstad is professor at the Department of Structural Engineering at NTNU, Trondheim University. His research and teaching -concerns structural design of buildings and bridges (incl post graduate lecturing and standardization work), Fibre reinforced concrete, Early age concrete crack assessment, Finite element analysis with focus on time-dependent structural systems and material behavior. Deteriorated structures and related design methods. He is member of Fib TG 8.3 Fibre reinforced concrete, Fib TG 8.8: Structural properties of flowable concrete, CEN/TC 250/SC 2/WG 1/ (Revision of Eurocode 2) , TG 7 Timedependent effects, CEN/TC 250/SC 2/WG 1/ (Revision of Eurocode 2), TG 2 Fibre reinforced concrete, Norwegian Concrete Association committee for fibre concrete (chairman).

Barzin Mobasher
Professor of Civil and Environmental Engineering,, Ira A. Fulton School of Engineering, Arizona State University.
Main research interests: Constitutive modeling of materials, fracture mechanics, non-destructive testing techniques, experimental stress analysis, biomechanics, composite materials, chemical and mechanical properties of concrete. His research deals with new and improved systems which are environmentally, and economically superior, passing through processing, characterization, modeling, and performance of structural materials. He is member of American Concrete Institute, and in particular of Committees 446 - Fracture Mechanics, Secretary, 544 - Fiber reinforced Concrete, 549 - Thin section products, 440 - Fiber reinforced plastic Reinforcement.

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. Convenor of Project Team for Eurocode 2 “Concrete Structures” 2000-2004, Convenor of fib Special Activity Group 5 “New Model Code for Concrete Structures 2010”, Convenor of fib Task Group TG 8.6 “Ultra High Performance Fibre Concrete”, Convenor of Working Group SAG7-B “Assessment of existing structures”, President of fib 2000-2002.