

REGISTRATION FEE

- € 40,00 Research Fellow, PhD, Student
- € 60,00 AICAP, CTE or fib member
- € 100,00 Others

The payment of the fee, in favor of CTE, Via Giacomo Zanella 36, 20133 Milan, can be made by:

- Transfer of account C.T.E. at Intesa San Paolo
IBAN: IT 49 N 03069 01604 100000005511
- Postal account n. 37274206
- Bank draft or bank, slashed, non-transferable

The fee and registration form should be sent to the CTE later than May 29, 2012, via:

- fax to the number +39 02 365 61 563
- e-mail to the address info@cte-it.org
- registered mail, when paying by check

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International Federation for Structural Concrete/
fédération internationale du béton (fib)

Case Postale 88 , CH-1015 Lausanne, Switzerland
www.fib-international.org



course
Model Code 2010:
new concepts and perspectives

The *fib* Model Code 2010 is the continuation of the Model Codes that have been developed and published by fib and its predecessors CEB and FIP over the past three decades. These include the first edition of the CEB Model Code published in 1978, the CEB-FIP Model Code on Seismic Design of Concrete Structures (1985), CEB-FIP Model Code 1990, and *fib* Bulletin 34, "Model Code on Service Limit Design" (2006).

Model Code 2010 influences both regional and national codes. MC2010 is now the most comprehensive code on concrete structures, including their complete life cycle: conceptual design, dimensioning, construction, conservation and dismantlement.

In the course the most innovative concepts are explained concerning construction technology, new materials, existing structures, robustness. A clear vision of the future perspectives in civil engineering is also traced by introducing sustainability approaches.

The Model Code 2010 fib bulletins will be distributed in a digital form to all the participants.

fib bulletins 57 (Shear and punching shear in RC and FRC elements) 58 (Design of anchorages in concrete), 61 (Design examples for strut and tie models) and 63 (Design of precast concrete structures against accidental actions) will be available at special prizes

Lecture presentation notes will be provided by each lecturer.

Every participant will receive a Certificate of attendance at the end of the course.

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COLLEGIO DEI TECNICI
DELLA INDUSTRIALIZZAZIONE
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POLITECNICO DI MILANO



DIPARTIMENTO DI
INGEGNERIA STRUTTURALE



ONE DAY COURSE

The new Model Code for Concrete Structures

Milan, Tuesday - June 5th 2012

Coordinators:
Marco DI PRISCO and Marco MENEGOTTO

Venue

Aula De Donato
Politecnico di Milano
Piazza Leonardo da Vinci, 32
Milano

PRESENTATION

On 29 October 2011 in Lausanne, the General Assembly finally approved the new *fib* Model Code, presented in draft form in 2010 in Washington. The editorial committee chaired by Professor Joost Walraven has developed the most complete code present in the technical literature on the topic of concrete structures. The code considers the whole life cycle of structures, the conceptual design, the dimensioning, the construction, the storage, and the dismantlement.

The Model Code 2010 is a milestone in the construction technique of concrete structures, twenty years after submission of the last Model Code. Work started in 2002 and the first meeting of the editorial SAG5, which edited the work with the collaboration of various technical committees and experts active in the *fib*, was held in September 2003 in Delft.

The objective of the course is to present the main innovations introduced in MC2010 which proposes a new approach to the calculation of the safety of the structures with algorithms such as Finite Element, a new tiered approach to security, a complete redesign of the concrete constitutive laws, rules on the design of new composite materials such as fiber-reinforced composites with polymeric matrix (FRP) or concrete (FRC) and new approaches aimed at ensuring the sustainability of buildings. The coordinators of the work and some of the experts who actively cooperated in the drafting of the document have been invited to give the lectures.

PROGRAMME

- 08:30 *Registration*
- 09:10 *Introduction*
Federico PEROTTI, Politecnico di Milano
- 09:20 *fib International Association*
György L. BALÁZS, *fib* President
- 09:35 *Model Code significance today*
Giovanni PLIZZARI, C.T.E. President
- 09:50 *The new Model Code: novelties and challenges (Sustainability, durability, life cycle: design and management, maintenance)*
Joost WALRAVEN – Convener of *fib* SAG 5
- 10:40 *Break*
- 11:10 *The principles of structural design and experimental tests and numerical*
Giuseppe MANCINI, Politecnico di Torino
- 11:50 *Concrete structural behaviour*
Harald MÜLLER, Karlsruher Institut für Technologie
- 12:30 *Fibre Reinforced Concrete*
Marco DI PRISCO, Politecnico di Milano
- 13:10 *Buffèt*
- 14:30 *Serviceability Limit State checking*
György L. BALÁZS, Budapest Univ. of Technology and Economics
- 15:10 *The multi-level approach in the verification of safety: the shear example*
Aurelio MUTTONI, EPFL Lausanne
- 15:50 *Verification of structural safety (ULS) for non-static loading*
Michael FARDIS, University of Patras
- 16:30 *Break*
- 17:00 *The structural robustness*
Marco MENEGOTTO, AICAP Vicepresident
- 17:40 *Round table coordinated by*
Giandomenico TONIOLO
- 18:40 *Closure*

FORM OF ONE DAY COURSE
THE NEW MODEL CODE
fib Model Code for Concrete Structures – MC 2010

MILAN, JUNE 5th 2012

To send by 29.05.2012 to C.T.E.
by e-mail (info@cte-it.org)
or fax (+39 02 365 61 563)

Please write in block letters

Last Name

First Name

AICAP member C.T.E member
Student Other

The receipt for the One day Course fee (VAT exempt) must be addressed to:

Company name

Address n°

C.A.P. townprov.

tel. fax

mobile phone.....

personal e-mail

The payment of €..... was made through:

bank, which is attached a copy of the payment

c.c.p., which attach copy of deposit slip

.....

Authorization under the Act 196/2003

Signature..... Date.....