



International Federation for Structural Concrete  
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## 15 – 16 OCTOBER 2012 FIB & ACE2012 – CONCRETE BRIDGE WORKSHOP

### 1<sup>st</sup> Announcement

The International Federation for Structural Concrete, *fib*, will be organizing a two day workshop on State of the Art design and construction of various concrete bridges with illustrative case studies prior to ACE2012. ACE2012 will host more than 500 technical papers received from 30 different countries.

#### First Day

09:00 – 09:45	Opening Ceremony
09:45 – 11:00	Conceptual Design of Bridges (Hugo Corres-Peiretti)
11:00 – 11:15	Coffee Break
11:15 – 12:30	General Design Concepts of Concrete Integral Bridges (Murat Dicleli)
12:30 – 14:00	Lunch Break
14:00 – 15:15	Pinerolo bridge: Cast in situ bridge built on classical scaffolding (Giuseppe Mancini)
15:15 – 16:30	Roccaprebalza bridge: Composite box girder bridge built by cantilevering (Giuseppe Mancini)
16:30 – 16:45	Coffee Break
16:45 – 18:00	Seismic design of concrete bridges according to Eurocode 8. (Michael Fardis)



FIB Dinner in the honor of Dr. Erhan Karaesmen: Fee for the dinner is 100 TL (30% discount – 70 TL for TKIC members) and should be deposited to “TKIC Türkiye İş Bankası Yenişehir Şubesi” having IBAN account number TR960006400000142180002809 before the workshop.

#### Second Day

8:30 – 9:45	Bridges built with free cantilever method. Tajuña and Manzanal Bridge. (Hugo Corres-Peiretti)
9:45 – 11:00	Secondino Ventura bridge: Cast in situ launched bridge (Giuseppe Mancini)
11:00 – 11:15	Coffee Break
11:15 – 12:30	Precast concrete Bridges. (Hugo Corres-Peiretti)
12:30 – 14:00	Lunch Break
14:00 – 15:15	Verolengo bridge: precast on site assembled bridge (Giuseppe Mancini)
15:15 – 16:30	Concrete viaducts for High speed railway lines: General concepts and examples using different construction methods. (Hugo Corres-Peiretti)
16:30 – 16:45	Coffee Break
16:45 – 17:30	Ortakoy Bridge, Artvin: LRFD Based Design of Segmental Concrete Bridge Utilizing Balanced Cantilever Construction (Alp Caner)

#### Location

Middle East Technical University Cultural and Convention Center

#### Registrations

TKIC Members who paid 2012 subscription dues (20 TL): Free

Students: Free

Other: 50 TL (“TKIC Türkiye İş Bankası Yenişehir Şubesi” IBAN TR960006400000142180002809)

Please register <http://www.tkic.org.tr/registration.html> before the workshop.

#### Organizing Institutes

FIB: The International Federation for Structural Concrete, <http://www.fib-international.org/>

METU: Middle East Technical University, [www.metu.edu.tr](http://www.metu.edu.tr)

TKIC : Turkish Association of Bridge and Structural Engineering (IABSE Turkish Group), <http://www.tkic.org.tr>



## Speakers



**Michael N. Fardis:** Dr. Fardis holds M.Sc. degrees in Civil Engineering (1977) and Nuclear Engineering (1978) and a Ph.D. in Structural Engineering (1979), all from Massachusetts Institute of Technology, where he taught in Civil Engineering to the rank of Associate Professor. He is Honorary President of the International Federation for Structural Concrete (fib). As chairman of the CEN sub-committee for Eurocode 8: “Design of Structures for Earthquake Resistance” (1999-2005), he led the development of its six parts into European Standards. He is Editorial Board Member of *Earthquake Spectra*, *Earthquake Engineering & Structural Dynamics*, *Structural Concrete*, *Bulletin of Earthquake Engineering*, *Journal of Earthquake Engineering*.

He is the author of “Seismic Design, Assessment & Retrofitting of Concrete Buildings” (Springer 2009), lead author of “Designers’ Guide to EN1998-1 and EN1998-5: Eurocode 8-Seismic actions, buildings, foundations & retaining structures” (T.Telford 2011) and co-author of “Designers’ Guide to EN1998-2: Eurocode 8-Bridges” (ICE Press, 2012) and Editor of three books published by Springer (2010-11). He received the 1993 Wason Medal of ACI for the best paper in materials. He co-ordinated the European Commission research projects “Seismic Performance Assessment & Rehabilitation” (2001-05), “Advanced Centre of Excellence in Structural & Earthquake Engineering” (2008-12), “Seismic Engineering Research Infrastructures for European Synergies” (2009-13). He is currently Professor and Director of Structures Laboratory, Civil Engineering Department, Patras University, Greece.



**Hugo Corres-Peiretti:** Professor of Structural Concrete, Technical University of Madrid, President of the structural design firm FHECOR Consulting Engineers ([www.fhecor.es](http://www.fhecor.es)) in Madrid/ Sevilla/ Barcelona. He was member of the drafting team of EN 1992-1-1:2004 “Eurocode 2: Design of Concrete Structures - General & Buildings”. He is elected member of the *fib* Presidium since 2006.



**Giuseppe Mancini:** Professor of Concrete and Bridge Design at the Politecnico di Torino. As partner and President of the structural design firm Sintecna stl, Torino ([www.sintecna.com](http://www.sintecna.com)), he has designed over 150 bridges. He chaired the drafting team of EN 1992-1-1:2005 “Eurocode 2: Design of Concrete Structures - Bridges” and is now chairing CEN/TC250/SC2, the CEN body in charge of Eurocode 2. He is Honorary President of *fib*, having served as *fib* President in 2005-06.



**Murat Dicleli :** Dr. Dicleli received his Ph.D. degree in structural engineering from the University of Ottawa, in Ottawa, Canada, and his M.Sc. and B.Sc.degrees from the civil engineering department of Middle East Technical University in Ankara, Turkey. He has been involved in research and engineering projects funded by Ontario Ministry of Transportation, National Research Council of Canada, US Federal Highway Administration, EPS Inc of USA as well as several other industrial firms in the US. Dr. Dicleli has considerable industrial experience; he has been involved in the design and rehabilitation of residential and commercial buildings, industrial structures, grain storage silos, power transmission line and communication structures as well as highway and railway bridges.



**Alp Caner:** Dr. Caner is an associate professor who specializes in analysis, design, assessment and retrofit of bridges. Prior to joining to the faculty at the Middle East Technical University, he worked for Parsons Brinckerhoff, New York as senior structural engineer. His designs not only included long-span bridges but also other transportation structures such as tunnels. He is currently a licensed professional engineer (P.E.) in the U.S.A. He received his Ph.D degree in 1996 from the North Carolina State University. He is a member of IABSE, ACI and ASCE.