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Registration fee

The registration costs include a copy of the proceedings, lunches, refreshments at breaks, and banquet dinner for the full registrants.

Student registration and one-day registration do not include the banquet dinner.

Registration type

Registration: 550 €
Early registration (payment due on 15/05/2018): 450 €
Student registration (payment due on 15/05/2018): 300 €
One-day registration (payment due on 15/06/2018): 300 €
Banquet Dinner (only where applicable): 80 €
Note that any bank transfer fee (not applicable for PayPal payment) should be in charge to the participant. VAT, where applicable, is not included.

Venue

On the southern banks of the Lake Garda, Desenzano is a charming village and a popular summer resort. An excellent point for trips and excursions, Desenzano presents a noteworthy artistic, historic and archaeological heritage, starting from the Roman era.

Desenzano has also become the Garda destination best known for its entertainment opportunities, above all its nightlife. Desenzano also offers a variety of water sports.

Desenzano can be easily reached by train (it is on the high-speed train line connecting Milano, Brescia, Verona, Bologna, Venice...) and by car (on the main highway A4, exit Desenzano)

Further info at: http://visitgarda.com/en/garda_lake/

Visit our website at <http://frc2018.unibs.it>



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DICATAM - Department of Civil, Environmental,
Architectural Engineering and Mathematics

**3rd FRC International Workshop
Fibre Reinforced Concrete:
from Design to Structural Applications**

ACI-fib-RILEM Joint Workshop

<http://frc2018.unibs.it>

Third announcement

Desenzano, Lake Garda, Italy

June 28-30, 2018



With the support of



Aim and scope

After more than fifty years of research dedicated to the unique material properties, the last two decades have focused on introducing Fiber Reinforced Concrete (FRC) to several building codes as a structural material; this has allowed an increasing use of this material among practitioners. FRC is now widely used in tunnel linings, elevated slabs, precast elements and other structures, and used as the primary reinforcement, or in a hybrid manner with additional rebars or welded mesh in many cases.

FRC with enhanced mechanical properties has also demonstrated to be a suitable solution for strengthening existing structures, thus extending the service life of structures.

Fourteen years after the workshop held in Bergamo (Italy), and four years after the second workshop in Montreal (Canada), the aim of this workshop is to provide the State-of-the-Art on the recent worldwide developments in structural applications of FRC.

Presentations of case studies will focus both on structural design and on the description of applications such as beams, elevated floors, tunnel linings, slabs, precast elements, bridges and other applications. Special attention will be also devoted to the developments of structural codes as well as to durability of FRC structures by considering the significant reduction of crack opening provided by fiber reinforcement.

This workshop will attempt to bring various sectors of research community and industry together so that significant cross-fertilization of ideas can occur, new concepts can be developed and new structural applications of FRC explored.

Important dates

Paper submission: by **February 28th, 2018**

Papers reviewed and returned to the authors, notification of acceptance: **April 30th, 2018**

Final papers submitted for final review: by **May 15th, 2018**

Main topics

Design specifications for structural applications:

- *fib* Model Code 2010
- International Recommendations
- International Codes and Standards

Structural applications:

- Buildings (elevated slabs...)
- Bridges and Footbridges
- Precast construction
- Seismic design

Special structures

- Hydroelectric power plants,
- Nuclear containment buildings,
- Harbor construction

Durability and life cycle assessment

Retrofitting and strengthening of existing structures

Foundation and underground applications:

- Tunnel linings
- Structures on ground

Other design considerations

- Nonstructural element design
- Design for fire resistance

Publications

Papers will be peer reviewed. Proceedings will be published jointly by ACI in the form of SP publication in CD format and also as *fib* bulletin in print. Accepted papers will be covered by main indexed databases (Scopus & others)

Workshop format

The two-day workshop will be probably divided in four main sessions. The formal presentations will be mixed with time for discussion between participants and speakers.

Preliminary Program

Wednesday June 27, 2018

19.00 Ice breaking party

Thursday June 28, 2018

08.45 Opening Ceremony

SESSION I:

9.00-12.30 (coffee break 10.30)

13.00 Lunch

SESSION II:

14.30-18.30 (coffee break at 16.30)

Friday June 29, 2018

SESSION III:

9.00-12.30 (coffee break 10.30)

13.00 Lunch

SESSION IV:

14.30-18.30 (coffee break at 16.30)

18.30 Conclusions and Closing Ceremony

20.00 Banquet dinner

Saturday June 30, 2018

9.00-12.30:

Visit/social program