



Bond in Concrete 2012: Bond, Anchorage, Detailing

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First Announcement and Call for Papers



Bond in Concrete 2012: Bond, Anchorage, Detailing Fourth International Symposium

Brescia, Italy
17th-20th June 2012



INTRODUCTION

Bond and anchorage are the terms used to denote the interaction and transfer of force between reinforcement and concrete. Bond influences behaviour of concrete structures in many ways, no matter whether the reinforcing material is steel, an FRP composite, fibres forming a constituent of the concrete mix, or whether it is embedded or external to the concrete section.

These parameters are highly complex, however, and are technically difficult to measure directly. Results of tests designed to measure the fundamentals of bond behaviour are not always easy to interpret and apply in practice. There are therefore still considerable areas where much better understanding of bond and its mechanisms are required.

The principal aim of the 4th Bond in Concrete conference is to bring together researchers and practitioners and review the advances in understanding and application of all aspects of bond in concrete achieved over the last decade, and to help identify the challenges and priorities to be addressed in the next. This follows the pattern of previous conferences held in Budapest (2002), Riga (1992) and in Paisley (1982).

In Brescia in 2012 the timing is of particular significance as the Conference will closely follow publication of fib's Model Code 2010, which contains a number of significant innovations and improvements in design guidance related to bond. A major theme in the 2012 Conference will be the intimate links and interaction between detailing practice and bond.

SYMPOSIUM WEBSITE

Details about the conference will be regularly updated on the conference website:
www.bondinconcrete2012.org

CONFERENCE TOPICS

1. General aspects of bond
2. Modelling
3. Assessment of degradation
4. Bond under severe loading conditions
5. Anchorages and laps
6. Transfer and development
7. Bond in new types of concrete or reinforcement
8. Bond between fibers and concrete
9. MC2010 provisions for bond
10. Bond of FRPs or overlay materials
11. Bonded and headed anchors
12. Bond and detailing

VENUE

The symposium will be held at the University of Brescia, located in a dynamic, hardworking city with a rich heritage of history and art which spans from prehistoric times to the present. Visitors will be fascinated by the atmosphere created by its airy piazzas and picturesque lanes, its fountains and aristocratic residences, the intimacy of its cloisters and the art treasures waiting to be discovered in its churches and museums. Places to visit in the pleasant Historic Centre: Piazza della Loggia, with the sixteenth-century Palazzo (on the front page), the porticoes and the Clock Tower, along with the nearby Roman Forum. Not far, you will find the Cidneo Hill with its castle, an imposing medieval fortress with its Arms Museum.

Brescia is located between Lake Garda (in the bottom picture) and Lake Iseo which is close to Franciacorta, where famous wines are produced.



OFFICIAL LANGUAGE

The official language is English.

SUBMISSION OF ABSTRACT

Abstracts of 150-300 words, in English, are welcomed. All papers accepted and presented at the Conference will be refereed and published in the Proceedings.

TIMETABLE

31st August	2011	abstract submission
30th Sept.	2011	preliminary acceptance
31st January	2012	submission of manuscripts
31st March	2012	final acceptance

CONTACTS

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