

Chairmen

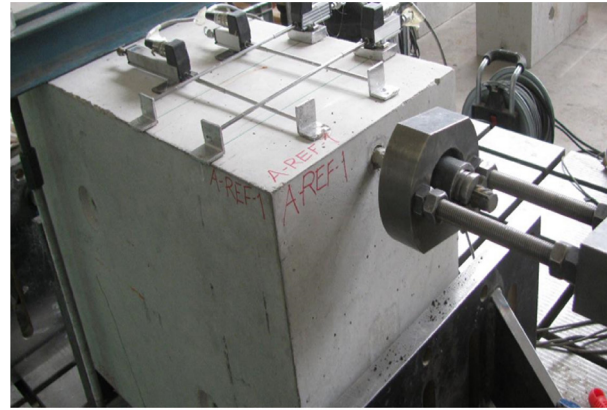
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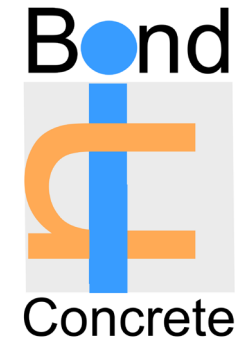
Organized by

Institute of Construction Materials,
University of Stuttgart

Materials Testing Institute
University of Stuttgart



University of Stuttgart
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Bond in Concrete 2022 Bond, Anchorage, Detailing

5th International Conference
Stuttgart, Germany
25th-27th July 2022

Call for papers



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Introduction

Bond is one of the main prerequisites for an efficient stress transfer between reinforcement and concrete. In spite of large amount of research performed so far, further studies are necessary, particularly considering the increasing range of practical applications.

The use of high performance materials combined with the introduction of new design concepts has increased the range of bond relevant problems. On the other side, the growing need for assessment, retrofitting and strengthening of the existing structures requires a better understanding of the various aspects of bond performance.

The focus of the 5th Bond in Concrete conference is to connect researchers and practicing engineers and to act as a platform to discuss the recent advances in various aspects of bond in concrete. This follows the pattern of previous conferences held in Brescia (2012), Budapest (2002), Riga (1992) and Paisley (1982).

A very important aspect of the Bond in Concrete 2022 will be the new Model Code 2020. In particular, various improvements of the design and the new concept for evaluation of the existing structures introduced in Model Code 2020 will be discussed.

Conference Topics

- General aspects of bond
- Modelling
- Assessment of degradation
- Bond under severe loading conditions
- Anchorages and laps
- Transfer and development
- Bond in new types of concrete or reinforcement
- Bond between fibers and concrete
- MC2020 provisions for bond
- Bond of FRPs or overlay materials
- Bonded and headed anchors
- Bond and detailing

Venue

Stuttgart, the host-city of the conference, is located between hills, forests and vine-yards. Situated between Black Forrest and Swabian Jura, Stuttgart is surrounded by an attractive landscape and beautiful nature. The Stuttgart Metropolitan area is one of the biggest areas in Germany and famous for its rich cultural offers. It has also a great building tradition. Structures like the Weißenhof-Estate and the TV Tower of Fritz Leonhard, the first Reinforced Concrete TV Tower of the world, are outstanding structures in architectural and civil engineering history.



Abstract Submission

Authors are invited to submit concise abstracts (150-300 words, in English) following the guidelines provided on the conference website. All papers accepted and presented at the Conference will be published in the Proceedings. Conference attendance by at least one author is required for publication. Please submit your abstract via: www.bondinconcrete.com

Timetable		
15 th July	2021	Abstract submission
30 th September	2021	Preliminary acceptance
15 th January	2022	Full Paper submission
31 st March	2022	Final acceptance

Official Language

The language of the conference is English

Conference Website

Details about the conference will be regularly updated on the conference website: www.bondinconcrete.com

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