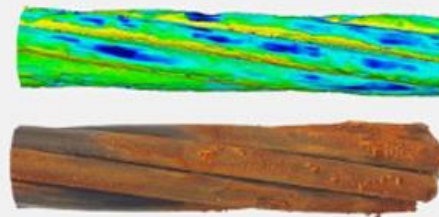


ONLINE

CACRCS DAYS 2021

Capacity Assessment of Corroded Reinforced
Concrete Structures:
from Research to Daily Engineering Evaluation

30 November - 3 December 2021



Organization by
www.cte-eventi.com



1° ANNOUNCEMENT



Collegio dei Tecnici della Industrializzazione Edilizia



Fédération International du Béton

Organize

CACRCS DAYS 2021

Capacity Assessment of Corroded Reinforced Concrete Structures: from Research to Daily Engineering Evaluation

30 november-3 December 2021

Venue: ON LINE

3rd Edition

SUPPORT OF



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TOPIC

CACRCS DAYS 2021 edition will focus on practical engineering applications achieved with consolidated research works on corroded reinforced concrete and prestressed concrete structures.

Two round tables have been organised, the first one on information of pre-normative and normative documents, and the second one dedicated to sharing the experiences and needs of transport infrastructure stakeholders.

Since 2019 the Workshop has seen the participation of experts in the capacity assessment of corroded reinforced concrete structures. The workshop is open to young researchers, experts and practitioners.

In CACRCS DAYS context, professional engineers can find a community of people able to assist in practice problem solving and in making- decision procedures for the maintenance of existing structures.

ORGANIZING COMMITTEE

Coordinators: **Beatrice Belletti (University of Parma)**,
Dario Coronelli (Politecnico di Milano)

Anna Magri (CTE)

David Fernández-Ordóñez (*fib Secretary General*)

Luc Taerwe (*Ghent University, Editor-in-Chief Structural Concrete Journal*)

Isabella Giorgia Colombo, Marta Del Zoppo, Lorenzo Franceschini, Francesca Vecchi (*fib Italy Young Members Group*)

Carmen Andrade (*CIMNE - UPC*), Fabio Bolzoni (*Politecnico di Milano*), Joan Ramon Casas (*UPC*), Airon Chen (*Tongji University*), Zila Rinaldi (*Università di Roma Tor Vergata*), Jesus Rodriguez (*UPM*), Joost Walraven (*Em. TU Delft*), Weiping Zhang (*Tongji University*)

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CALL FOR ABSTRACT

The CACRCS DAYS welcome all contributions related to the behaviour of reinforced concrete, fibre reinforced concrete and prestressed concrete structures damaged by corrosion; with both numerical and experimental approaches.

You can submit abstracts and papers to the website of CACRCS event, that will be available soon.

PAPER SUBMISSION

Authors willing to present their work at the CACRCS DAYS 2021 are invited to kindly submit an abstract in accordance with the sessions of the workshop. The abstract should not exceed 750 characters.

Extended abstracts (4 pages long) will be included in the Proceedings of the Workshop.

The Authors of selected extended abstracts will be invited to submit a full manuscript to a Special Issue in Structural Concrete. The submission of full manuscript will undergo the usual peer-review process of Structural Concrete.

The template for abstracts and extended abstracts is available on the CACRCS website (www.cte-eventi.com/cacracs/ – coming soon).

AWARDS

Awards will be conferred to the most outstanding paper presented by a *fib* young member and to the most excellent paper presented in the workshop.

IMPORTANT DATES

abstract submission	30.05.2021*
abstract acceptance notification	15.06.2021
extended abstract submission	20.09.2021
extended abstract acceptance	15.10.2021
final extended abstract submission	30.10.2021
author's registration	30.10.2021
presentation submission	15.11.2021
full manuscript to a Special Issue in Structural Concrete	28.02.2022

*who is interested to submit an abstract after the deadline, please contact the organizing committee at the following address cacracs@cte-eventi.com.

EVENT ON LINE

As a speaker, you will intervene live in **streaming** on Zoom from anywhere in the world.

The authors will be asked to sign a document authorising the use of the records of their presentations by the organizing committee for the purpose of the event.

The authorization document will be available soon on CACRCS website (www.cte-eventi.com/cacracs/ - coming soon).

SPONSORS

The companies interested in supporting the event can contact us by e-mail to cacracs@cte-eventi.com

PRELIMINARY PROGRAM

Special sessions are organised during the workshop. During the submission process, Authors are invited to kindly select the session where they are willing to present their papers. Each session will include both research and engineering applications focussing on what is needed for the evaluation of corroded structures.

CACRCS DAYS 2021 includes Round tables to promote discussions.

The virtual workshop offers didactic material for engineers, practitioners, scientists, concrete technologists, researchers, and academics to improve the knowledge about corrosion of reinforced concrete structures.

Tuesday 30 November

Welcome and Introduction

B. Belletti, D. Coronelli, Coordinator Event

Claudio Failla, CTE President

David Fernández-Ordóñez, *fib* Secretary General

Luc Taerwe, Editor-in-Chief of Structural Concrete

Round table on pre-normative and normative documents

The participants invited will share their views on normative (codes and standards) and pre-normative (model codes, manuals, guides) documents treating the structural assessment of existing deteriorated concrete structures with special emphasis on corrosion.

A1) Basis of design, safety approach

Key-note Speakers:

Robby Caspeele, Ghent University

Peter Tanner, IETcc-CSIC

Wednesday 1 December

A2) Models of material deterioration for the integration in the structural assessment

Key-note Speakers:

Carmen Andrade, CIMNE - UPC

Federica Lollini, Politecnico di Milano

Giovanni Plizzari, Università degli Studi di Brescia

B1) Structural assessment of corroded members (beams, slabs, columns, walls)

Key-note Speakers:

Joost Walraven, Em. TU Delft

Pieter Desnerck, University of Cambridge

Weiping Zhang, Tongji University

Thursday 2 December

B2) Assessment of corroded structures subjected to seismic or accidental actions

Key-note Speakers

Camillo Nuti, Università degli Studi Roma Tre

Michael Fardis, University of Patras

C1) Prolongation of structural life with proactive or reactive interventions

Key-note Speakers:

Ueda Tamon, Shenzhen University

Benoit Bissonnette, CRIB - Laval University

Friday 3 December

C2) Case studies for the assessment and structural evaluation of corroded existing bridges and infrastructures

Key-note Speakers:

Edoardo Cosenza, Università degli Studi di Napoli

Federico II

Akio Kasuga, Sumitomo Mitsui Construction

Marco di Prisco, Politecnico di Milano

Round table on bridges with transport infrastructure

Invited transport infrastructure stakeholders, responsible for the maintenance and exploitation of transport infrastructures, with direct vision of the situation of bridges in the road networks, highways and railways, will share their experiences on corroded concrete bridges.

REGISTRATION FEES

are VAT exempted and include participation in the virtual workshop and proceedings in electronic format.

Standard fee €250,00
(including CTE membership)

Reduced fee €150,00
(for CTE, *fib*, aicap Member 2021)

REGISTRATION FORM

You will **register** directly from the **CACRCS website** (www.cte-eventi.com/cacrcs/) and make the payment by credit card or bank transfer to CTE. The registration form will be available soon.

For Bank Transfer please indicate
Name Surname – CACRCS 2021

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CONTACTS

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Secretary of the event
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For more information about the event, please visit the internet website
www.cte-eventi.com/cacrcs/
www.cte-it.org