



CONSIGLIO NAZIONALE  
DEGLI INGEGNERI



In collaboration with:

CONCRETO  
ACADEMY



Co-funded by  
the European Union

ON LINE CONFERENCE IN ENGLISH | MONDAY, OCTOBER 20<sup>th</sup> 16.00 - 18.00

# Assessment and Monitoring of Concrete Structures: Guiding Effective Strategies for Intervention and Preservation

## SHORT ABSTRACT

The seminar explores the role of **assessment and monitoring of historic and existing concrete structures**, focusing on methodologies that support both engineering practice and heritage preservation. Participants will gain insight into diagnostic techniques, non-destructive evaluation, and long-term monitoring strategies, highlighting how these tools can guide effective intervention strategies, and repair program. Through case studies and practical examples, the seminar will illustrate how thoughtful assessment contributes to extending the life and value of concrete structures.

## SEMINAR SERIE

This event marks the second episode of a series of online seminars organized in collaboration with CONCRETO Academy, an Erasmus+ training initiative promoted by the Pier Luigi Nervi Foundation. Professionals operating in technical areas interested in the topics of restoration and rehabilitation of concrete structures are encouraged to take part in the online conference.

## PROGRAMME

- Diagnostic and Assessment Techniques for reinforced concrete structures
- The importance of monitoring in particular for infrastructure
- The importance of data interpretation to guide compatible repair program
- The Role of Non-Destructive Evaluation in the Engineering and Preservation of Concrete Structures
- Bridge Watch: assessment and monitoring of existing infrastructures

## INTRODUCTION

**Arch. Irene Matteini** Scientific Director CONCRETO Academy

**Eng. Sandro Catta** Consiglio Nazionale degli Ingegneri, Italia

## DISCUSSANTS

**Prof. Thomas Schumacher** Civil & Environmental Engineering Portland State University, Portland USA

**Eng. Giulio Zani** PhD, PE, Assistant Professor at Politecnico di Milano, Italy

On line registration/Link iscrizioni: <https://www.formazioneconi.it/eventi/25c85587>

The online conference is organized pursuant to art. 4.5.5. of the TU Guidelines for updating the professional competence of the CNI, with accumulation of vocational training certificates valid for a maximum of 9 vocational training courses/year. Engineers regularly registered in the Italian professional register who participate for the entire duration of the event will be awarded 2 CFP.

*Il Convegno on line è organizzato ai sensi dell'art 4.5.5. del TU Linee di indirizzo per l'aggiornamento della competenza professionale del CNI, con accumulo di cfp validi per un massimo di 9 cfp/anno. Agli ingegneri regolarmente iscritti all'Albo professionale italiano che parteciperanno all'intera durata dell'evento verranno riconosciuti 2 CFP.*

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