



A V V I S O D I S E M I N A R I O

**Technology transfer: translating research into normative documents.
The second generation structural Eurocodes**



Paolo FRANCHIN - Professor at Sapienza University of Rome

Wednesday, **December 4, 2024** at **11.30 a.m.**

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Available online at: https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjkyZmFiY2ltMzk5ZS00MDc5LTljYTYtMjA5OTYwZTdjNTA3%40thread.v2/0?context=%7b%22Tid%22%3a%22c7456b31-a220-47f5-be52-473828670aa1%22%2c%22Oid%22%3a%228be46af7-7e5d-4478-a0fd-10f6dd827dd0%22%7d

Abstract

The second generation of the Structural Eurocodes is set to be released two decades after the first iteration. This talk will focus on changes in seismic design and assessment, emphasizing a further step towards displacement-based methods, the increasing use of nonlinear models and analysis, and the thoroughly revised approach to safety. Some critical insight will also be provided on the code-making process, that involved hundreds of actors over several years with the mandate to update one of the fundamental components of the EU single market. In particular, it will be highlighted how code-making is a powerful means of technology transfer in civil structural engineering: since codes affect operators in a multi-billion euros market every choice is bound to be quite consequential. Examples include the revision of the partial safety factors.

Organization and Contact details

*Seminar organised in the context of the initiatives promoted by the PhD course:
Dottorato in Analisi e Controllo di Strutture e Opere d'arte Infrastrutturali.*

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(Prof. Ing. Walter Salvatore)