

WS 10 | SECOND GENERATION OF EUROCODE 7 – WORKSHOP WITH DESIGN EXAMPLES FOR PILES, GROUND IMPROVEMENT AND REINFORCED FILL

ORGANIZATION **ERTC10** | Evaluation of Eurocode 7

CEN/TC 250/SC 7 | Eurocode 7: Geotechnical design

ROOM C.1 (Altice Arena) | **SEATING CAPACITY** 50 | **DATE** 25 August 2024 / 14:30 - 18:30

WORKSHOP FEES Delegates ECSMGE: **EUR 65/35**(students) Non-delegates: **EUR 150**

INTRODUCTION

The Second generation of Eurocode 7, which was in preparation over the last decade, brings a stronger integration of different design aspects, improvements to the content of the previous generation, and much awaited extension of the code to the new types of geotechnical structures not fully covered so far. This workshop is prepared jointly between the ISSMGE ERTC10 “Evaluation of Eurocode 7” and CEN TC250/SC7 European standardization committee. The invited presenters are the people who actively participated in the development of the Second-generation Eurocode 7. They will present the main design aspects of:

- Piled foundations;
- Ground improvement;
- Reinforced fill structures;
- Soil nailed structures.

The presentations will be composed of an overview of the most important design aspects for a given subject, followed by design examples to explain those concepts from the practical perspective.

PROGRAMME

14:30 – 14:40	Opening Adriaan van Seters (Fugro; SC7 Chair), Loretta Batali (Technical University of Civil Engineering of Bucharest, TG B2 Leader) & Witold Bogusz (Jacobs, ERTC10 Secretary & TG-D1 Leader)
14:40 – 15:10	Introduction to the Second-generation Eurocode 7 Adriaan van Seters (Fugro, SC7 Chair)
15:10 – 15:35	EN 1997-3 Clause 6: Piled foundations – an overview Christian Moormann (University of Stuttgart; SC7 TG-D Leader)
15:35 – 15:50	Piled foundations – Example 1: Ground model method Presenter TBC
15:50 – 16:05	Piled foundations – Example 2: Model pile method Presenter TBC
16:05 - 16:20	COFFEE BREAK / NETWORKING
16:20 – 16:45	EN 1997-3 Clause 12: Ground improvement – an overview Presenter TBC
16:45 – 17:00	Ground improvement – Example 1: Discrete ground improvement Presenter TBC
17:00 – 17:15	Ground improvement – Example 2: Diffused ground improvement Presenter TBC
17:15 – 17:40	EN 1997-3 Clause 9: Reinforced fill structures – an overview Presenter TBC
17:40 – 17:55	Reinforced fill - example Presenter TBC
17:55 – 18:10	EN 1997-3 Clause 10: Soil nailed structures – an overview Natalia Maca (Titan Polska, TG-D3 member)
18:10 – 18:25	Soil nailed structures - example Natalia Maca (Titan Polska, TG-D3 member)
18:25 – 18:30	Discussion and closure Adriaan van Seters, Loretta Batali & Witold Bogusz