

ECCS COURSE ON FIRE DESIGN OF STEEL STRUCTURES

Reference book : Fire Design of Steel Structures, 2nd Edition
ECCS Eurocode Design Manuals, Ernst & Sohn a Wiley Brand, 2015.

Speakers: Prof. Jean-Marc Franssen, University of Liege, Belgium
Prof. Paulo Vila Real, University of Aveiro, Portugal

PROGRAM

27 MAY 2019

- 08.30 Welcome coffee
- 09.00 INTRODUCTION AND BASIC CONCEPTS (Paulo Vila Real)
- 09.30 THERMAL ACTIONS ACCORDING PART 1-2 OF EUROCODE 1 (Paulo Vila Real)
- 11.00 Coffee break
- 11.15 THERMAL ANALYSIS ACCORDING TO SIMPLE MODELS OF EN 1993-1-2 (Paulo Vila Real)
- 12.45 Lunch
- 13.30 MAIN CONCEPTS OF THERMAL ANALYSIS ACCORDING TO ADVANCED MODELS (Jean-Marc Franssen)
- 15.30 Coffee break
- 15.45 EXAMPLES OF THERMAL ANALYSIS WITH THE FINITE ELEMENT SOFTWARE SAFIR® (Jean-Marc Franssen)
- 17.00 End

28 MAY 2019

- 08.30 Welcome coffee
- 09.00 MECHANICAL ACTIONS (Paulo Vila Real)
- 09.30 MECHANICAL ANALYSIS ACCORDING TO SIMPLE MODELS OF EN 1993-1-2 (Paulo Vila Real)
- 11.00 Coffee break
- 11.15 CASE STUDY
- 12.45 Lunch
- 13.30 MAIN CONCEPTS OF MECHANICAL ANALYSIS ACCORDING TO ADVANCED MODELS (Jean-Marc Franssen)
- 15.30 Coffee break
- 15.45 EXAMPLES OF MECHANICAL ANALYSIS WITH THE FINITE ELEMENT SOFTWARE SAFIR® (Jean-Marc Franssen)
- 16.45 Conclusion of the training course
- 17.00 End