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