



**TRAINING SESSION**  
**COLD-FORMED STEEL STRUCTURES**  
**7-8 December 2017, Brussels**

**(Venue to be confirmed)**

**PROGRAMME**

Thursday, 7 December

08.30: Registration and coffee

09.00: Introduction and Basic Principles

Cold -formed steel materials, peculiarities of behavior of cold-forming and impact in design philosophy, basis of design, codes and area of applications (Professor Dan Dubina)

10.30: Coffee-break

10.50: Strength of sections

Effective width, effective thickness, flange curling, web crippling and design checking (Professor Viorel Ungureanu)

12.20: Lunch

13.20: Strength of members

Instability modes, mode interaction, methods and design checking (Professor Viorel Ungureanu)

14.50: Coffee-break

16.10: Connection technology and design (Professor Raffaele Landolfo)

17. 20: End of day



Friday, 8 December

- 09.00: Design of envelopes and diaphragm effect (Professor Raffaele Landolfo)
- 10.30: Coffee-break
- 10.50: Design assisted by testing  
EN 1990 and EN 1993-1-3 framework, examples and study cases (Professor Dan Dubina)
- 12.20: Lunch
- 13.20: Principles for numerical simulation  
Background, software and examples (Professor Raffaele Landolfo)
- 14.50: Coffee-break
- 15.00: Design Case studies (Professor Viorel Ungureanu)
- 16.30 : End of course