



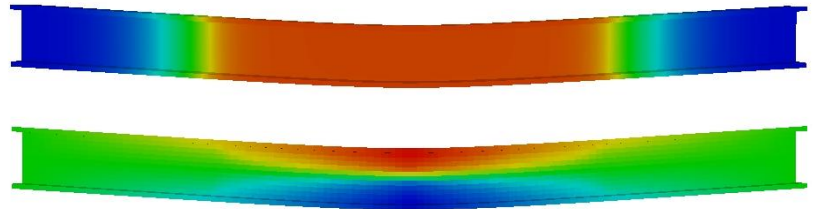
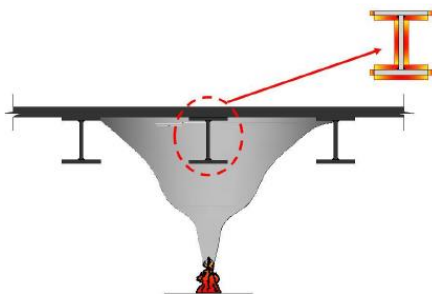
SPLIT SUMMER SCHOOL STSS2023

COURSE: STRUCTURAL FIRE ENGINEERING ANALYSIS

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Main topics:

- Introduction to fire engineering analysis
- Heat transfer modelling
- Structural fire analysis
- Prescriptive based design of structures



Programme structure:

- 5-day course
- Lecture notes for each of the modules will be distributed to the students

Important dates:

Course dates: 04/09/2023 – 08/09/2023
Deadline for application: 25/07/2023
Confirmation of the course: 04/08/2023
Payment due by: 25/08/2023

Price of the course: 300 € (tax included)

Programme plan:

- Day 1
- Introduction to fire engineering analysis (2h)
 - Heat transfer modelling – EN1991-1-2, EN1993-1-2 (2h)
 - Individual work/exercise (2h)
- Day 2
- Structural fire design of steel structures – EN1993-1-2 (2h)
 - Individual work/exercise (4h)
- Day 3
- Structural fire design of concrete structures – EN1992-1-2 (2h)
 - Individual work/exercise/final project (4h)
- Day 4
- FEM modelling of structures exposed to fire (1h)
 - Individual work/exercise/final project (5h)
- Day 5
- Prescriptive vs. performance based engineering (1h)

Programme lecturers:

- Ph. D. Neno Torić M. Civ. Eng,
Associate professor at the University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Metal and Timber Structures, Split, Croatia.
- Ph. D. Ivica Boko M. Civ. Eng,
Professor at the University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Metal and Timber Structures, Split, Croatia.
- Ph. D. Ivana Uzelac Glavinić M. Civ. Eng,
Assistant professor at the University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Metal and Timber Structures, Split, Croatia.
- Marko Goreta M. Civ. Eng.,

- Final project (3h)
- Project presentation (2h)

Teaching/research assistant at the University of Split,
Faculty of Civil Engineering, Architecture and Geodesy,
Department of Metal and Timber Structures, Split,
Croatia.