



50 years of  
University  
of Split

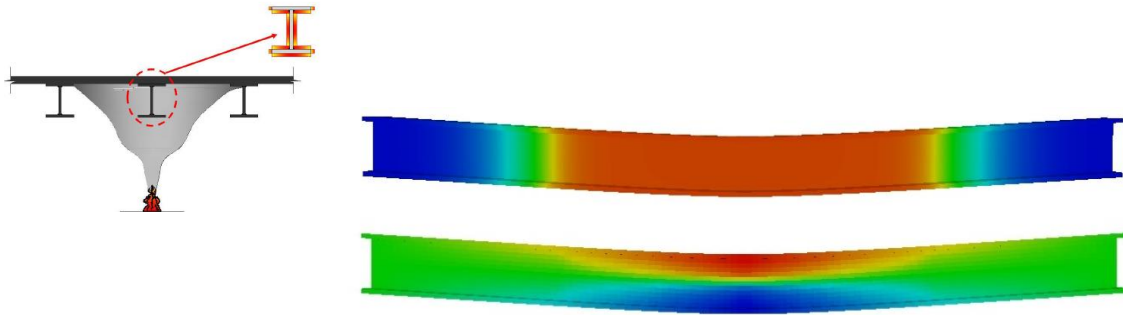
## INTERNATIONAL SPLIT SUMMER SCHOOL 2024

### 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: 02/09/2024 – 06/09/2024

Deadline for application: 08/07/2024

Confirmation of the course: 10/07/2024

Payment due by: 18/08/2024

**Price of the course:** 300 €

#### Program plan

##### Day 1

- Introduction to fire engineering analysis (2h)
- Heat transfer modelling – EN1991-1-2, EN1993-1-2 (2h)
- Individual work/exercise (2h)

#### Lectures

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

Ph. D. Marko Goreta M. Civ. Eng.,

**Day 2**

- Structural fire design of steel structures – EN1993-1-2 (2h)
- Individual work/exercise (4h)

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

**Day 3**

- Structural fire design of concrete structures – EN1992-1-2 (2h)
- Individual work/exercise/final project (4h)

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

**Day 4**

- FEM modelling of structures exposed to fire (1h)
- Individual work/exercise/final project (5h)

**Day 5**

- Prescriptive vs. performance based engineering (1h)
- Final project (3h)
- Project presentation (2h)