

supported by

• Visegrad Fund

Advanced structures design – fire safety guidance for V4

Visegrad Grant number: 21920010

Will held 2nd workshop

Advanced structures design

9-10th September 2021

Czech Technical University in Prague, Faculty of Civil Engineering,
Czech Republic



**FACULTY OF CIVIL
ENGINEERING
CTU IN PRAGUE**



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M Ű E G Y E T E M 1 7 8 2

Programme of the 2nd workshop
“Advanced structures design”

Day 1 (9th September 2021)

13:00

Meeting and lunch at restaurant Avantgardino Express (Evropská 2690, 160 00 Prague 6 -Dejvice)

14:30

Registration of workshop participants at Faculty of Civil Engineering, CTU

15:00

Opening session and welcome greetings from the organisers of workshop

- František Wald, Czech Technical University in Prague
- Vladimír Mózer, Czech Technical University in Prague

Block 1: Advanced approaches to structure design – part 1

Chairman: František Wald

15:15

Fire resistance of structures and its evaluation

Speaker: Vladimír Mózer, Czech Technical University in Prague, Czech republic

15:45

Eurocodes approach to fire resistance determination for constructions

Speaker: Wojciech Szymkuc, Poznan University of Technology, Poland

16:15

Coffee break

16:30

Approaches to estimating fire severity – simplified and advanced

Speaker: Vladimír Mózer, Czech Technical University in Prague, Czech republic

18:00

Dinner and social evening

17-18 transport to restaurant *U fleků* (Křemencova 11, 110 00 Nové Město, Prague 1)



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Day 2 Continuation of the workshop (10th September 2021)

Block 2: Advanced approaches to structure design – part 2

Chairman: Vladimír Mózer.

9:00

Fire scenarios and design fires

Speaker: László István Horváth, Budapest University of Technology, Hungary

9:30

Heat transfer – interfacing the fire and structural models

Speaker: Wojciech Szymkuc, Poznan University of Technology, Poland

10:00

Approaches to estimating structural response – simplified and advanced

Speaker: Lucia Figuli, University of Žilina, Slovakia

10:30

Coffee break

10:45

Control, verification and validation, data sources

Speaker: František Wald, Czech Technical University in Prague, Czech republic

11:15

Case studies & lessons learned

Speaker: Jakub Šejna, Lukáš Velebil, CTU in Prague, Czech republic

Lucia Figuli, University of Žilina, Slovakia

László István Horváth, Budapest University of Technology, Hungary

Wojciech Szymkuc, Poznan University of Technology, Poland

Milan Spremić, University of Belgrade, Serbia

12:15

Discussion

12:45

Conclusion of the workshop



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The project is co-financed by the Governments of the Czechia, Hungary, Poland and Slovakia through Visegrad Grants from International Visegrad Fund. The mission of the fund is to advance ideas for sustainable regional cooperation in Central Europe.

Venue address :

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