

## Expertclass 'FSE - Next Generation'

### Benefits of performance based fire safety

In this expert class, the FellowFSE foundation (Eindhoven University of Technology) and the VVBA (Association of Fire Safety Consultants) present new developments, visions and trends in the field of fire safety and fire engineering. This creates a connection between scientific research, fire prevention and fire suppression.

The highlight of the expert class 'FSE - Next Generation' is the announcement of the nominations for the VVBA IFV thesis award 2021. A thesis award for the most innovative, high-profile and relevant master or bachelor thesis on fire safety.

#### When

Thursday, 8 April 2021 - 1:30 PM

#### Where

ONLINE

#### For whom

The FellowFSE Foundation and the VVBA cordially invite all interested parties to attend this expert class free of charge. The expert class is of interest to bachelor and master students in fire safety, researchers, engineers, consultants, suppliers and manufacturers, contractors, fire service and safety regions.

#### More information:

<http://www.fellowfse.nl>

<http://www.vvba.nl>

#### Sign in:

Send an e-mail to: [c.bouwhuis@nieman.nl](mailto:c.bouwhuis@nieman.nl)

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- 13:30 *Ruud van Herpen, Fellow FSE TU/e*  
Welcome and introduction: New risks by shifting boundary conditions – the need for performance based fire engineering
- 13:50 *Lieuwe de Witte, senior researcher Dutch Fire Safety Academy*  
Experimental research on internal smoke propagation: consequences for personal safety
- 14:10 **Break**  
**(online postersession 1)**
- 14:30 *10 minutes pitches of some submitted research projects in the IFV-VVBA thesis contest:*
- Peter Zeilstra: Brandbare gebouwen
  - Stijn Mertens: Modelling pool fire in dike containment of a tank farm
  - Leo Menzemer: Numerical simulations of brand transport in outdoor fires
  - Laura Schmidt: Effect of char fall off on the heat transfer within CLT
  - Chamith Karannagodage: Performance based design of wooden structures
  - Alirezza Tootoonchian: CFD analysis of fire spread underneath solar panels
  - Karim Omar Mohammed: Effect of horizontal openings within informal settlement dwellings
  - Tanja Cernosa: Fire behaviour of selected façade materials
  - Robert Bray: Burning material behaviour in hypoxic environments
- 16:00 **Break**  
**(online postersession 2)**
- 16:15 *David den Boer, VVBA*  
Introduction VVBA  
Announcement of the nominated theses for the IFV-VVBA thesis award
- 16:30 **End**