

Agenda PhD Fire Seminar 2021

Tuesday 23rd November, 2021

- 13:00 (virtual) room will be opened
- 13:30 **Introduction**
- 13:50 **Ondřej Dupal**
Bulk density of wooden materials char determined by photogrammetry
- 14:40 **Vojtěch Šálek**
Heat capacity measurements of wooden materials
- 15:00 **20 minutes break**
- 15:50 **Johannes Seiler**
Angular Adaptivity for Radiation Transport Equation using the Finite Volume Method
- 16:40 **Christian Riitamaa**
Development of a coupled 1D heat-mass transfer solver for porous solid materials for FDS

Wednesday 24th November, 2021

- 08:30 (virtual) room will be opened
- 09:00 **Iffah Umairah Zulmajdi**
Probabilistic simulation of compartment fire using zone models and CFD models
- 09:50 **Riyanny Pratiwi**
Risk Management in Peatland: Mitigation Of Asphalt Pavement Condition on Peat Fires in Kalimantan, Indonesia
- 10:40 **20 minutes break**
- 11:00 **Wojciech Kowalski**
Framework for stochastic FEM analysis of structures in fire
- 11:50 **Tassia Lins da Silva Quaresma**
Sensitivity analysis of input parameters in flame spread simulation
- 12:40 **Lunch**
- 13:50 **Andrzej Krause**
Analysis of the temperature impact on building elements under fire conditions, using experimental methods and computer models
- 14:40 **Aleš Palkovič**
CFD fire simulations
- 15:00 **20 minutes break**
- 15:50 **Kristian Börger**
Photometric measurement of visibility in case of fire
- 16:40 **Tenteng Li**
Study on Smoke and Fire Spread in Tunnel Fires

Thursday 25th November, 2021

08:30 (virtual) room will be opened

09:00 **Wenqian Liu**

Hydrogen vehicles fire analysis in the car park

09:50 **Patrick Lauer**

Inverse modelling pyrolyzation kinetics with ensemble learning methods

10:40 **20 minutes break**

11:00 **Karen De Lannoye**

Cone calorimeter experiments with pmma

11:50 **My Linh Würzburger**

ARTSS - Current Problems

12:40 **Lunch**