

Session Program

2-3 Feb 2017

**PhD student seminar on fire simulation,
hosted by HSE**

Presentations of the first day

CERN, 160/1-009

Thursday 2 February

10:45

Presentations of the first day

Session | Location: CERN, 160/1-009

10:45–11:15 **Towards smoke and fire simulation with grid adaptive FEM**

Speaker

Marc Fehling

11:30

14:45

Presentations of the first day

Session | Location: CERN, 160/1-009

15:00–15:15 **Coffee**

15:15–15:45

JuROr — Real-Time Simulation and Prognosis of Smoke Propagation using GPUs: Towards 3D and complex geometries

Speaker

Anne Severt

15:45–16:15

Application of experimentally determined combustion efficiencies in a FDS-Model

Speaker

Christian Kusche

16:15–16:45

Optimization strategies in fire simulation

Speaker

Patrick Lauer

16:45–17:00

Break

17:00–17:30

Material Parameter Optimisation for Cable Fire Simulation

Speaker

Tristan Hehnen

17:30–18:00

Simulation of organic peroxide fireballs using ANSYS CFX

Speaker

Paul Blankenhagel

18:00–18:30

Buoyancy Driven Flow in an Underground Metro Station

Speaker

Matthes Dietrich

18:30