

Fired Up 2024

The University of Edinburgh

Conference Programme



Venue: Hudson Beare Lecture Theatre , Hudson Beare Building, Kings Buildings

Day 1 – Thursday the 11th of July

09:00 – 10:00	Registration and Pastries
10:00 – 10:20	Welcome to Fired Up!
10:20 – 10:40	Harry Mitchell – Imperial College London <i>Flame spread in large compartment experiments: comparison of Obora and CodeRed</i>
10:40 – 11:00	Laura Schmidt – The University of Edinburgh <i>Char oxidation in solid timber</i>
11:00 – 11:20	Break
11:20 – 11:40	James Greer – The University of Edinburgh <i>Fuel on the Ceiling: Why combustible ceilings matter</i>
11:40 – 12:00	Alexander Castagna – Imperial College London <i>Computational modelling of wood burning at the meso-scale: a review of the state of the art</i>
12:00 – 13:00	Lunch
13:00 – 13:20	Chang Liu – The University of Edinburgh <i>CFD Predictions of Fire Spread over Wood Cribs in Large Open-Plan Compartments: New Insights</i>
13:20 – 13:40	Enya Zhang – The University of Central Lancashire <i>Modelling of wildland surface fire using boundary fuel and level set model in FDS (version 6.8.1)</i>
13:40 – 14:00	Break
14:00 – 14:20	Imogen Richards – King's College London <i>Thermogravimetric analysis in UK wildland fuels</i>
14:20 – 14:40	David Morrisset – The University of Edinburgh <i>The use of laser diagnostics to quantify the controlling mechanisms of opposed flow flame spread</i>
14:40 – 15:50	Poster Session
15:50 – 16:00	Send Off
18:00	Dinner @ Vittoria on the bridge

Day 2 – Friday the 12th of July

10:00 – 10:20	Welcome Back to Day 2! And Pastries
10:20 – 10:40	Cameron MacLeod – The University of Edinburgh <i>Investigating the flammability of metal composite panels</i>
10:40 – 11:00	Jonny Reep – The University of Edinburgh <i>The Evaluation of Smoke Composition During the Combustion of Building Materials</i>
11:00 – 11:20	Break
11:20 – 11:40	Francesca Lugaesi – King's College London <i>Challenges of modelling battery fires</i>
11:40 – 12:00	Mahadev Rokade – The University of Edinburgh <i>Experimental investigation on low-cement concrete at elevated temperature with preloaded conditions</i>
12:00 – 13:00	Lunch
13:00 – 13:20	Hongxin Zhuang – The University of Liverpool <i>A methodology to develop a systematic review focused on the identification and assessment of fire financial losses in buildings</i>
13:20 – 13:40	Nikolaos Kalogeropoulos – Imperial College London <i>Analyzing the chances of evacuation in the 2018 Mati Fire</i>
13:40 – 14:00	Jakub Bielawski - Building Research Institute, Poland (ITB) <i>Linear heat detection in tunnel fire simulations</i>
14:00 – 14:20	Break
14:20 – 14:40	Fired Up Handover Discussion
14:40 – 15:40	Fire Lab Tours
15:40 – 16:00	Send Off