

# 38th International Symposium on Combustion

Title	Lead		Institution	Title of Paper
<b>Prof</b>	Peter	Lindstedt	Imperial College	Fully coupled sectional modelling of soot particle dynamics in a turbulent diffusion flame
<b>Prof</b>	Kai	Luo	UCL	Reactive and Electron Force Field Molecular Dynamics Simulations of Electric Field Assisted Ethanol Oxidation Reactions
<b>Mr</b>	James	Bailey	University of Southampton	DNS analysis of boundary layer flashback in turbulent flow with wall-normal pressure gradient
<b>Prof</b>	Markus	Kraft	University of Cambridge	Surface properties of heterogeneous polycyclic aromatic hydrocarbon clusters  Aromatic penta-linked hydrocarbons in soot nanoparticle formation  Reactive localized pi-radicals on rim-based pentagonal rings: properties and concentration in flames  Kinetic Monte Carlo statistics of curvature integration by HACA growth and bay closure reactions for PAH growth in a counterflow diffusion flame
<b>Dr</b>	Zhi	Chen	Cambridge University	An a-priori assessment of the Partially Stirred Reactor (PaSR) model for MILD combustion  Study of MILD combustion using LES and advanced analysis tools
<b>Dr</b>	Umair	Ahmed	Newcastle University	On the validity of Damköhler's second hypothesis in statistically planar turbulent premixed flames in the thin reaction zones regime.  Flame self-interactions in globally stoichiometric spherically expanding flames propagating into fuel droplet-mists
<b>Dr</b>	Zhiyi	Li	University of Cambridge	Study of MILD combustion using LES and advanced analysis tools
<b>Prof</b>	Nilanjan	Chakraborty	Newcastle University	On the validity of Damköhler's second hypothesis in statistically planar turbulent premixed flames in the thin reaction zones regime  Inertial effects on globally stoichiometric spherically expanding flames propagating in droplet-laden mixtures  Flame self-interactions in globally stoichiometric spherically expanding flames propagating into fuel droplet-mists  A comparison of entrainment velocity and displacement speed statistics in different regimes of turbulent premixed combustion  The localised forced ignition and early stages of flame development in a turbulent planar jet  Effects of the cold wall boundary on the flame structure and flame speed in premixed turbulent combustion
<b>Prof</b>	Jennifer	Wen	University of Warwick	The effect of convective motion within liquid fuel on the mass burning rates of pool fires – a numerical study
<b>Prof</b>	Jennifer	Wen	University of Warwick	The burning characteristics and flame evolution of hydrocarbon and hydrogen flash fires