39th International Symposium on Combustion - 2022

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| **Title** | **Lead** | **Institution** | **Title of Paper** |
| Professor | Peter Linstedt | Imperial College London | Transported JPDF modelling and measurements of soot at elevated pressures.  |
|  | Han Wang | University of Edinburgh | Numerical investigation of boundary layer flashback of CH4/H2/air swirl flames under different thermal boundary conditions in a bluff-body swirl burner |
| Dr. | Umair Ahmed | Newcastle University | "1) Turbulent kinetic energy evolution in turbulent boundary layers during head-on interaction of premixed flames with inert walls for different thermal boundary conditions2)Effects of body force on the statistical behaviour and modelling of scalar variance in turbulent premixed flames" |
| Professor | NedunchezhianSwaminathan | University of Cambridge | Large eddy simulation of multi-regime combustion with a two-progress variable approach for carbon monoxide (WP1) |
|  | Andrea Giusti | Imperial College London | Investigation of the effect of iron nanoparticles on n-dodecane combustion under external electrostatic fields |
| Professor | Epaminondas Mastorakos | University of Cambridge | Stochastic low-order modelling of hydrogen autoignition in a turbulent non-premixed flow. |
| Professor | NilanjanChakraborty | Newcastle University | "Inertial effects on the interaction of water droplets with turbulent premixed flames: A Direct Numerical Simulation analysis Effects of body force on the statistical behaviour and modelling of scalar variance in turbulent premixed flamesTurbulent kinetic energy evolution in turbulent boundary layers during head-on interaction of premixed flames with inert walls for different thermal boundary conditions" |