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 conditions  2)Effects of body force on the statistical behaviour and modelling of scalar variance in turbulent  premixed flames" |
| Professor | Nedunchezhian  Swaminathan | 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 | Nilanjan  Chakraborty | 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 flames  Turbulent kinetic energy evolution in turbulent boundary layers during head-on interaction of premixed flames with inert walls for different thermal boundary conditions" |