

Programme

9:00 AM - 10:00 AM	Registration and Refreshments
10:00 AM - 10:15 AM	Welcome from the IOP Combustion Physics Group Room: WPT.0.03 (ground floor)
10:15 AM - 12:20 PM	Oral Presentation Session 1 Room: WPT.0.03 (ground floor) Hassan Ahmed (10:15AM - 10:40AM): Flame Surface Evolution and Machine-Learning Classification of Topology in Turbulent Premixed Flames Atanu Dolai (10:40AM - 11:05AM): Assessment of combustion dynamics of co/counter-swirl flames at varied momentum ratios and oxygen concentrations James Harman-Thomas (11:05AM - 11:30AM): Autoignition Study of Methane and Methane/Hydrogen Blends in CO ₂ Qichi He (11:30AM - 11:55AM): Simultaneous two-plane flame front detection using defocusing based PIV Aanantha Balaji Murugavel (11:55AM - 12:20PM): The effect of pressure on the mixing and combustion characteristics of Jet in Crossflow
12:20 PM - 1:30 PM	Lunch and Posters
1:30 PM - 2:45 PM	Oral Presentation Session 2 Room: WPT.0.03 (ground floor) Tarek Rashwan (1:30PM - 1:55PM): Elucidating the impacts of heat losses on applied smouldering combustion systems Maxwell Williams (1:55PM - 2:20PM): Laser Imaging Turbine Engine Combustion Species (LITECS): An Overview Thomas Howarth (2:20PM - 2:45PM): Flame structure and stabilisation mechanism of a high-pressure hydrogen micromix combustor
2:45 PM - 3:30 PM	2023 'Huw Edwards Award' Lecture: Professor Paul Ewart Room: WPT.0.03 (ground floor)
3:30 PM - 4:15 PM	Afternoon Break and Posters
4:15 PM - 4:30 PM	Presentation of Prizes and Close Room: WPT.0.03 (ground floor)
6:00 PM - 10:00 PM	Dinner at Caravelli To celebrate the presentation of the Huw Edwards prize for services to combustion, a dinner will be held in Paul Ewart's honour. Pre-booking was required prior to the conference. Make your own way to the restaurant, located in the centre of town. The Old Manor, 11 Sparrow Hill, Loughborough, LE11 1BT.