



Cambridge Particle Meeting 2022

BST	Presenter	Affiliation		Title
9:30	<i>Welcome</i>			
09:35	Una Trivanovic	ETH	In person	High-throughput generation of aircraft-like soot
09:55	Laura Pascazio	Cambridge CARES	Virtual	Localized π -radical soot precursors in flames
10:15	Kazuhiro Yamamoto	Nagoya University	Virtual	Simulation of soot oxidation in catalyzed Diesel Particulate Filter (cDPF)
10:35	Adam Boies	University of Cambridge	In person	Scaling Methane Pyrolysis with Value Added Carbons: Challenges and Opportunities
10:55	<i>Poster Session Coffee and Tea Break</i>			
11:15	David Kittelson	University of Minnesota	In person	Brief history of engine exhaust particle size measurements
11:35	Liza Selly	University of Cambridge	In Person	Characterising the impacts of brake dust exposure on susceptibility to airway infections
11:55	Emma C Braysher	National Physical Laboratory	In person	Fingerprinting Tyre Emissions: Characterising their Chemical Composition
12:15	William Hicks	Imperial College London	In person	The impact of powertrain electrification on brake wear particulate matter emissions
12:35	Lunch – provided by Cambustion			
14:00	Joel Corbin	National Research Council Canada	Virtual	Mechanisms of soot aggregate restructuring and compaction
14:20	Randy Vander Wal	Pennsylvania State University	Virtual	Emission Source Identification by Laser Derivatized Soot Nanostructure
14:40	Markus Knoll	Graz University of Technology	In person	Insights into Point Sampling of Particulates as Remote Emission Screening Technique for in-use Vehicles
15:00	<i>Poster Session Coffee and Tea Break</i>			
15:20	Martin Irwin	Catalytic Instruments	In person	Characterising the Silver Particle Generator: a pathway towards standardising aerosol generation
15:40	Felix Stollberger	Graz University of Technology	In person	Photothermal Single Particle Interferometry
16:00	José Morán	Normandie Universite	Virtual	Approximating the van der Waals Interaction Potentials between Agglomerates and their Coagulation Enhancement Effect
16:20	Georgios Kelesidis	ETH	In person	Porosity and crystallinity dynamics of carbon black during internal and surface oxidation
16:40	<i>End of Cambridge Particle Meeting 2022</i>			



Poster Session

Presenter	Affiliation	Title
Colin Jenkins	Topas	Field Calibration System
Cyprian Jourdain	University of Cambridge	Modelling the impact of soot fractal aggregate structures on the aerodynamic and mobility diameters of particles in the transition regime
David O'Loughlin	University of Cambridge	An ICH Q2 validated method for the analysis of tyre samples by ICP-MS
Fergus Lidstone-Lane	University of Manchester	Analysis of the Broadening Effect Produced from SMPS Size Distributions when Decreasing the Sample Scan Time
Helmut Krasa	Graz University of Technology	Investigation of non-linear counting efficiencies for 23-nm automotive CPCs with atomized salt aerosol
Jacob Thottathil Varghese	Kerala State	Terrain Dependent Vehicular Emission and Projected Removal of Soot and Black Carbon by Sustainable Green Drapes: A Theoretical Case Study of a Prominent Road Route to Saintgits Campus
Liu Haoye	University of Birmingham	Update of particle evolutions in the engine exhaust system.
Malamus Tsagkaridis	Imperial College London	CFD-PBE Modelling of aerosol synthesis of silica nanoparticles in laminar and turbulent flames
Ralan Qiao	University of Cambridge	UV-assisted aerosol synthesis of iron nanoparticles at room temperature for catalysis of single-walled carbon nanotube growth
Shaamrit Balendra	University of Cambridge	Fundamental size limits of a CPC – How small can a CPC go?

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