



# Cambridge Particle Meeting

15<sup>th</sup> June 2018  
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09:00	<b>REGISTRATION</b>		
	<b>Session I (Chair: Jonathan Symonds)</b>		
09:30			Welcome
09:40	Roy Harrison	University of Birmingham	Studies of Nanoparticles in Diesel Exhaust and Ambient Air
10:00	David Booker	Sensors Inc.	Performance and Operational Demands for low-cost Particle Number Measurements for Periodic Technical Inspection
10:20	Douglas Booker	NAQTS	Integrating a CPC into a “low cost” air quality monitoring device: challenges & opportunities
10:40	Siddharth Gumber	Vellore Institute of Technology	Turbulent mixing and generation of short lived climate forcers from an Asian Mega City: The Soot and Black Carbon Conundrum
11:00	<b>BREAK</b>		
	<b>Session II (Chair: Adam Boies)</b>		
11:30	Paul Quincey	National Physics Laboratory	Bringing metrology to measurements of aerosol particle light absorption: the EMPIR Black Carbon Project
11:50	Roger Teoh	Imperial College London	Methodology to Relate Black Carbon Particle Number and Mass Emissions
12:10	Dumitru Duca	Université de Lille	Determining the adsorption energy of aromatic compounds onto carbonaceous surfaces from the signal decay in two-step laser mass spectrometry
12:30	Martin Irwin	Paul Scherrer Institut	Towards accurate aerosol absorption measurements using particles with truly monodisperse size distributions
12:50	<b>LUNCH &amp; POSTER SESSION</b>		
	<b>Session III (Chair: Simon Payne)</b>		
13:50	David Kittelson	University of Minnesota	Does the trimodal size distribution adequately describe aerosols from modern engines?
14:10	Caro Hosier	Ford	Activities of the UN PMP (particle measurement procedure) group – exhaust and non-exhaust particle emissions
14:30	Chung Ting Lao	University of Cambridge	Modelling Particulate Emissions during the Active Regeneration of Diesel Particulate Filters
14:50	Hongming Xu	University of Birmingham	Soot formation and particulate characteristics in the cylinder of a Gasoline Direct Injection (GDI) engine
15:10	<b>BREAK</b>		
	<b>Session IV (Chair: Brian Graves )</b>		
15:40	Philip Whitefield	Missouri University of Science and Technology	Tandem DMA approach for Real Time Measurements of Deliquescence and Volatility of Plume Processed Jet Engine PM Exhaust
16:00	Lukai Zheng	University of Sheffield	Experimental Investigation on Fuel Properties Impacts on Soot Formation Using a Gas Turbine Combustor
16:20	Tianyi Hu	Imperial College London	Experimental Investigation of Pore Growth in Carbonaceous Nanoparticles during Low Temperature Combustion in O <sub>2</sub>
16:40	Leonid Nichman	Boston College	Optical characterization of neutral dimers of soot and dioctyl sebacate formed by charged coagulation
17:00	<b>END</b>		