



2013 Cambridge Particle Meeting – May 24th

Lecture Theatre 1, Engineering Department, Cambridge University, Trumpington Street

Chairmen: **Adam Boies** and **Jacob Swanson** (University of Cambridge), **Jon Symonds** and **Chis Nickolaus** (Cambustion)

8:30	Arrival with tea and coffee		Session I chair: Adam Boies
9:15	Steven Girshick	University of Minnesota, USA	Gas-phase synthesis of magnetic/plasmonic nanoparticles for cancer theranostics
9:35	Jacob Swanson	University of Cambridge, UK	Bipolar neutralization using radioactive, x-ray, and AC corona methods
9:55	Farzan Tavakoli	University of Alberta, Canada	Aerodynamic aerosol classifier
10:15	Dai Liu	University of Birmingham, UK	Characteristics of particulate matter emissions of an automotive diesel engine
10:35	Break with tea and coffee		Session II chair: Jacob Swanson
11:00	Isil Ayranci-Kilinc	University of Cambridge, UK	In-flame soot diagnostics and particle emissions of full-scale aeroengine fuel injectors
11:20	Marc Stettler	University of Cambridge, UK	Quantifying aircraft black carbon emissions
11:40	Prem Lobo	Missouri University of Sci & Tech, USA	Measurement of aircraft nvPM emissions using ARP compliant systems
12:00	John May	AECC, Belgium	Particulate emissions from petrol-engined light-duty vehicles taken from the European fleet
12:20	Buffet lunch served in LR4		Session III chair: Jon Symonds
13:30	Philipp Kattouah	NGK, Europe GmbH	Wall flow filter for particulate emission reduction of petrol engines
13:50	George Biskos	TU Delft, Netherlands	Fabricating solid-state gas sensors by aerosol-based techniques
14:10	Prashant Kumar	University of Surrey, UK	Flow of nanoparticles in and around road vehicles
14:30	Andrea Strzelec	Texas A&M University, USA	Investigation of burning mode for diesel particulate oxidation: contrasting O ₂ and NO ₂
14:50	Break with tea and coffee		Session IV chair: Chris Nickolaus
15:10	Nick Collings	University of Cambridge, UK	Hot condensation particle counter
15:30	Maria Botero	University of Cambridge, UK	Sooting tendency of paraffin surrogates of diesel and gasoline in diffusion flames
15:50	David Kittelson	University of Minnesota, USA	Issues associated with measuring nothing

*some titles shortened to meet space requirements