



UK Fluids Network  
Special Interest Group on  
Particulate Matter Filtration Flows  
in Automotive and Marine Applications



The University of  
Nottingham



## Particulate Matter filtration flows

Johnson Matthey Technology Centre (Reading), December 17th, 2024

Blount's Court, Sonning Common, Reading RG4 9NH

### PROVISIONAL MEETING PROGRAMME

#### IMPORTANT!

**YOU WILL NEED GOVERNMENT ISSUED PHOTO ID TO ENTER THE SITE (DRIVING LICENCE OR PASSPORT)**

9.30 – 9.50	Arrival and refreshments
09:50 – 10:00	<b>Welcome address</b>
10:00 – 10:30	<b>Emma Hailwood (UCL)</b> <i>"Understanding how low blend ratios of SME biodiesel changes the toxicity of exhaust particulates and impacts lung health"</i>
10:30 – 11:00	<b>Ian Mudway (Imperial College London)</b> <i>"Learning to love your taxi driver"</i>
11:00 – 11:15	Break/discussions
11:15 – 11:45	<b>Reza Ziarati (C4FF)</b> <i>"The Impact of Quarrying Activities on Air Quality and Public Health: A Case Study in Warwickshire"</i>
11:45 – 12:15	<b>Hu Li (University of Leeds)</b> <i>"TBC: particulate emissions from hybrid vehicles using advanced biofuels"</i>
12:15 – 13:15	Lunch break and discussions
13:15 – 13:45	<b>Aldo Lanza (Johnson Matthey)</b> <i>The impact of PM on coated catalytic GPF structures investigated by spatially resolved Mass Spectrometry (SPACI-MS)</i>
13:45 – 14:15	<b>Ryan Mulholland (Cambustion)</b> <i>"Soot Loading, Ash Loading and Regeneration Properties of Particulate Filters with the DPGs"</i>
14:15 – 14:30	Break/discussions
14:30 – 15:00	<b>Nick Molden (Emissions Analytics)</b> <i>"Particle emissions from tyres: a large but uncertain problem, and challenging to solve"</i>
15:00 – 15:30	<b>Jon Andersson (Ricardo)</b> <i>"Particle Emissions From Brake and Tyre Wear – Results from the Phase 1 study for the UK DfT"</i>
15:30 – 15:45	Closing remarks and networking
15:45	<b>Tour (optional)</b>

### Further information and contacts

[Meeting Registration link](#)

[SIG website](#)

[UK Fluids website](#)

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