



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



Particulate Matter filtration flows

University College London, December 15th, 2025

MEETING PROGRAMME

9.30 – 9.50	Arrival and refreshments
09:50 – 10:00	Welcome address
10:00 – 10:30	Amber Yeoman (University of York) <i>"The changing trends of consumer product volatile organic compound (VOC) emissions"</i>
10:30 – 11:00	Emma Hailwood, Paul Hellier, Nicos Ladommatos (UCL); Martin Leonard (UK Health Security Agency) <i>"Speciation and toxicological response of particulate phase-PAH produced from biodiesel blends in a light duty engine."</i>
11:00 – 11:15	Break/discussions
11:15 – 11:45	Mohammad Almorat, Paul Hellier, Nicos Ladommatos, University College London <i>"Effects of temperature and residence time on the pyrolysis of acetone and methyl acetate in a flow reactor."</i>
11:45 – 12:15	Humberto Medina (University of Nottingham) <i>"Effect of the flow entry angle on the flow regime and pressure losses in catalysts and filters"</i>
12:15 – 13:15	Lunch break and discussions
13:15 – 13:45	Reza Ziarati (C4FF) <i>"Air Quality Measurement vs. Modelling and Simulation – Key Factors in Modelling Air Quality in Establishing a Quarry in Warwickshire"</i>
13:45 – 14:15	Vasileios Matthaios (University of Liverpool) <i>"Air pollution exposure inside vehicle cabins, influencing factors and mitigation strategies"</i>
14:15 – 14:30	Break/discussions
14:30 – 15:00	Jon Andersson (Ricardo) <i>"Brake and tyre wear particle emissions results from Phase 2 of the DfT Brake & Tyre Emissions Project"</i>
15:00 – 15:30	Jerry Hall (Cambustion) TBC
15:30 – 15:45	Concluding remarks, networking
15:45	Tour (optional)

Further information and contacts

Information about the meeting and the venue: [Meeting 11 webpage](#)

[Meeting Registration link](#)

[SIG website](#)

[UK Fluids website](#)

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