

**VIRTUAL!**

# **AEROSOL MEASUREMENT FORUM**

**Bristol**

**Thursday 29th April 2021**

**CDT in Aerosol Science**



University of  
**BRISTOL**

# Welcome



Prof Jonathan Reid,  
CDT Director

In my capacity as director of the EPSRC Centre for Doctoral Training in Aerosol Science, it is a great pleasure to welcome you to our first **Aerosol Measurements Forum** in the afternoon of **Thursday 29th April 2021**.

This event will be open (free admission) to all CDT students, academics, Aerosol Society members and CDT tier 2 and 3 partners. Topics will include:

- The latest developments in analytical instruments for aerosol measurements and aerosol metrology;
- Reviews of existing measurement techniques and their applications;
- Priority areas for new instrument development;
- A virtual exhibition to meet with representatives of instrument manufacturers and hear about their latest products.

We hope this will be an informative event for our students as well as providing opportunities for networking and hearing about the latest developments in analytical instruments for aerosol measurements and to discuss the latest challenges.

Some of our partners will contribute in presenting topics within the areas of analytical/instrumentation development and research and will be part of the virtual exhibition to take any of your questions, to make connections and to showcase some of their instrument measurements.

# Online platform:



Please make sure your Zoom account has the most updated version.

The format of the event will be organised in the following way:

- **Presentations** from guest speakers (webinar mode)
- **Exhibition rooms:** these will be set up as breakout rooms. Attendees will be able to move from one room to another according to their interest.
- **Informal networking rooms:** these will be set up as breakout rooms named "networking room 1", "networking room 2" and so on. We encourage everyone to use these rooms to network and chat with anyone. Please use the chat box to find and connect with the person of your choice and arrange to move to a networking room.
- **CDT in Aerosol Science room:** we would be delighted to meet you and answer any of your queries with regards to our CDT.

Please visit our [Code of Conduct here](#).

# Programme

TIME	EVENT	LENGTH
13:00	Welcome and Introduction by Aerosol Science CDT Director Prof Jonathan Reid	5 min
13:05	Presentations: Aerosol Measurements— new techniques and latest developments	1h 15 min
14:20	Break & Q&A	10 min
14:30	Exhibition session	55 min
15:25	Break	10 min
15:35	Presentations: Aerosol Analysis - applica- tions and emerging priorities	65 min
16:40	Closing remarks	5 min
16:45	Exhibition rooms remain open for you to meet with exhibitors	

## Presentations:



**CAMBUSTION**



**Swisens**



## Exhibitions:



**CAMBUSTION**



**Swisens**



## Other breakout rooms:

- ♦ Aerosol Science CDT
- ♦ 5 Networking rooms
- ♦ Q&A room

# Presentations

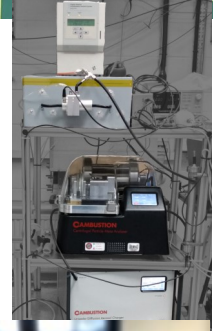
## 01. Alphasense

"Recent developments on the OPC-N3 and the new OPC-R2" presented by Mark Giles



## 02. Cambustion

"The M2AS : Simultaneous Aerosol Mass and Mobility Measurements with the CPMA" presented by Kingsley Reavell



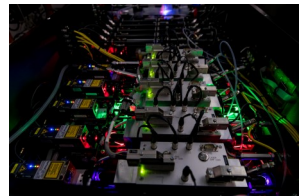
## 03. TSI

"Precise and accurate sizing and counting – from "stones" to ultrafine particles" presented by Sebastian Schmitt



## 04. Met Office

"New instrumentation for spectroscopic measurements of atmospheric aerosol optical properties" presented by Kate Szpek and Justin Langridge



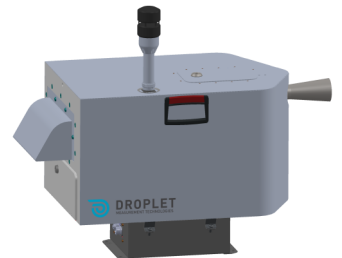
## 05. Malvern Panalytical

"Overview of the Malvern Panalytical Spraytec" presented by Dr John Ddungu



## 06. Droplet Measurement Technologies

"Groundbased Fog & Aerosol Spectrometer (GFAS) Overview" presented by Dr. Darrel Baumgardner



## 07. Swisens

"New ways of measuring and monitoring airborne particles with Swisens" presented by Erny Niederberger



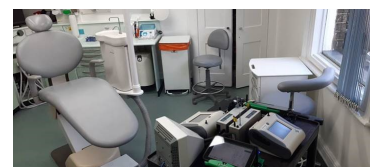
## 08. NPL

"Long-term changes in mass absorption cross-section derived from black carbon and elemental carbon measurements in London" presented by Krzysztof Ciupek



## 09. NPL

"Real-time measurements of airborne particle number concentration in dental surgeries to define Covid-safe working practices" presented by Jordan Tompkins





# Special Thanks

The Aerosol Science CDT team would like to thank our speakers for sharing their latest measurement techniques and all of our attendees for participating. Thank you and we look forward to continuing engaging with you and to seeing you in Bristol soon.

## EPSRC Centre for Doctoral Training in Aerosol Science

### Key contacts:

Prof Jonathan Reid - CDT Director

Dr Rachael Miles - CDT Course Manager

Kate Lucas - CDT Administrator

Yaelle Hartley - CDT Partnerships Administrator



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