

Locations [Google, 3rd Floor, 123 Buckingham Palace Road, London SW1W 9SH](#)

Virtual [To be added]

Agenda All times BST / UTC+1

Wednesday, June 19, 2024

Start	End	Research Presentations & Discussion
8:30	9:00	Arrival + breakfast
9:00	9:10	Goals, schedule, housekeeping
9:10	9:30	Introduction: Steven Barrett (UCambridge), Vincent Meijer (TUDelft)
9:30	10:30	Presentations: Observations of contrail formation
9:30	9:50	Phillippe Very (Eurocontrol)
9:50	10:10	Olivier Liandrat (Reuniwatt): <i>Observation of clouds and contrails using sky imagers</i>
10:10	10:30	Aaron Sarna (Google): <i>Contrail Attribution in Geostationary Satellite Imagery</i>
10:30	10:45	Break
10:45	12:00	Presentations: Observations of contrail formation
10:45	11:05	Luc Busquin (Alaska Airlines): <i>Using Global Meteor Network Cameras for Contrail Observation</i>
11:05	11:25	Wouter Vandenneuker (MUAC): <i>Prototyping a Contrail Camera Network: From Concept to Reality</i>
11:25	11:45	Remi Chevallier (Airbus/ENAC): <i>A Simple and Cost-Effective Method for Contrails Ground Observation: Application in Concept of Operations Feasibility Studies</i>
11:45	12:00	Peter DeBock (ARPA-E), Miad Yazdani (RTX), Saikat Majumder (GE), Eric Klobas (Northrup): <i>ARPA-E PRE-TRAILS Update</i>
12:00	13:00	Lunch + Networking
13:00	14:20	Presentations: Evaluating forecasts
13:00	13:20	Vincent Meijer (TUDelft): <i>Contrail forecast evaluation using satellite data</i>
13:20	13:40	Scott Geraedts (Google): <i>ContrailBench: datasets for forecast evaluation</i>
13:40	14:00	Greg Thompson (Satavia)
14:00	14:20	Seb Eastham (Imperial): <i>Using LIDAR to analyze and evaluate contrail models</i>
14:20	14:40	Break
14:40	16:00	Presentations: Operational evaluation
14:40	15:00	Christiane Voigt (DLR)
15:00	15:20	Aarón Sonabend (Google), Tom Dean (BE): <i>Evaluating preliminary avoidance trials</i>

15:20	15:40	Louis Robion, Prashanth Prakash (MIT): <i>Leveraging contrail observations and measurements from flight campaigns</i>
15:40	16:00	Dennis Piontek, Kai Widmaier (DLR): <i>First results for the AKKL 100-flights-trial & CONCERTO</i>
16:00	17:00	Discussion: Reflecting on Day 1's learnings
16:00	16:30	Breakout groups - small group discussion w/ guided questions
16:30	16:50	Review and discuss breakout group findings
16:50	17:00	Wrap-up Day 1
17:00		End of Day 1
18:00		Informal happy-hour gathering at the Market Hall, Victoria 191 Victoria St, SW1E 5NE

Thursday, June 20, 2024

Start	End	Research Presentations & Tutorials
8:30	9:00	Arrival + breakfast
9:00	10:20	Presentations: New forecast and planning approaches
9:00	9:20	Axel Seifert (DWD): <i>A two-moment cloud ice scheme in the ICON model for predicting ice supersaturation</i>
9:20	9:40	Zane Dedekind (Environment Canada)
9:40	10:00	Zeb Engberg (BE), Tharun Sankar (Google): <i>A hybrid contrail forecast model</i>
10:00	10:20	Alejandra Frias-Martin (Flightkeys)
10:20	11:00	Break + Demos
11:00	12:00	Presentations: Observations of Climate Forcing
11:00	11:20	Ollie Driver (Imperial): <i>Factors influencing contrail observability in satellite images</i>
11:20	11:40	Xinyue Wang (Climaviation): <i>Estimating the radiative effect of contrail outbreaks by using geostationary satellite observations</i>
11:40	12:00	Kevin McCloskey, Aarón Sonabend (Google): <i>12hr satellite-driven contrail flux via causal inference</i>
12:00	13:00	Lunch + Networking
13:00	14:00	Lab 1a: Scott Geraedts (Google): <i>Using ContrailBench</i>
14:00	15:00	Lab 2a: Nick Masson, Tom Dean (BE): <i>Contrails Observer app hackathon</i>
		Lab 2b: Seb Eastham (Imperial), Tristan Abbott (BE): <i>Getting set up with APCEMM</i>
15:00	16:00	Lab 3a: Nick Masson (BE), Shelagh McLellan (Google): <i>Contrail Data: Defining user stories and APIs</i>
		Lab 3b: Zeb Engberg, Tristan Abbott (BE): <i>Finding flights in Landsat and Sentinel</i>
16:00	16:30	Co-working session

16:30	17:00	Wrap-up, feedback, how to stay in contact and contribute
17:00		End of Day 2

Friday, June 21, 2024

Start	End	Co-working session
8:30	9:00	Arrival
9:00	15:00	Co-working session
15:00		Wrap-up, feedback, how to stay in contact and contribute
		End of Workshop