

# 2026 Transportation Research Lab Summer School

Environment and climate impact  
in air transport

 23 – 25 June 2026

 University of Westminster

How aviation impacts climate change and mitigation strategies:  
new vehicles and fuels, policies, strategic planning of operations,  
flight planning and real time trajectories adjustment



Lectures



Hands-on Modelling |  Networking Opportunities

With the participation of



And the support of



## Registration

[2026 TRL Summer School – Fill in form](#)



**Transportation Research Laboratory**  
**2026 Summer School on Environmental and**  
**Climate impact of Aviation**

Room TBD, Marylebone Building, 35 Marylebone Rd, London NW1 5LS

**23/06/2026**

<b>Time</b>	<b>Speaker</b>	<b>Activity</b>
9:00-9:30		Arrival
9:30-10:00	Luis Delgado University of Westminster	Introduction to the Summer School
10:00-10:30	Gerald Gurtner University of Westminster	Impact of aviation on climate beyond CO <sub>2</sub> emissions
10:30-12:00	Paul Williams University of Reading	Effect of climate change on aviation
12:00-13:30		Lunch
13:30-15:30	Safe Landing	Towards UK Jet Net Zero Strategy
15:30-16:00		Coffee break
16:00-17:00	Guy Gratton University of Cranfield	Centre for Doctoral Training in Net Zero Aviation and Electrical vehicles

**24/06/2026**

<b>Time</b>	<b>Speaker</b>	<b>Activity</b>
9:00-9:30		Arrival
9:30-11:00	Andrea Gasparin University of Trieste	Strategic incentivisation of routes to avoid climate hot spots
11:00-12:00	Abolfazl Simorgh UCIII	Flight dispatching with trajectory optimisation to minimise climate impact (I)
12:00-13:30		Lunch
13:30-14:30	Abolfazl Simorgh UCIII	Flight dispatching with trajectory optimisation to minimise climate impact (II)
14:30-15:30	Andrea Gasparin University of Trieste	Multi trajectory flight plans considering climate impact: capacity-demand balancing
15:30-16:00		Coffee break
16:00-17:00	Tatjana Bolic University of Westminster	Beyond trajectory optimisation: economic impact of flight planning considering climate

**25/06/2026**

<b>Time</b>	<b>Speaker</b>	<b>Activity</b>
9:00-9:30		Arrival
9:30-11:00	Antoni Eritja Olivella University of Catalunya	Tactical operational trajectory reoptimisation considering dynamic weather
11:00-12:00	Sian Andrews NATS	Trial activities of trajectory adjustment with a focus on ATM-issues
12:00-13:30		Lunch
13:30-14:00	Michal Weiszer University of Westminster	Policies to reduce aviation: evaluation of short-haul flight ban
14:00-14:30	Luis Delgado University of Westminster	Estimation of emissions at network level
14:30-15:00	Luis Delgado University of Westminster	QHT and Students-as-Co-creators projects
15:30-16:00		Closing remarks
16:00-18:30		QHT UoW partnership celebration (in Zone29 building)