

CTR Wilson Meeting on Atmospheric Electricity

University of Bath, 16th November 2023

Celebrating one decade of electrifying enjoyment since 2013

Sponsored by the Institute of Physics (D&E) and supported by the Royal Meteorological Society and URSI

Room 2E3.4 in the Department of Electrical and Electronic Engineering at the University of Bath

- 0930-1000 Welcome Coffee
- 1000-1020 **Tamás Bozóki – On the perspectives of analyzing SR-transients from an unprecedented number of stations from around the world**
- 1020-1040 **Yoav Yair – Lightning superbolts follow ship tracks in Eastern Mediterranean winter thunderstorms**
- 1040-1100 **Graeme Marlton – Using LOFAR to map out lightning processes detected by the Met Office’s lightning detection system, LEELA**
- 1100-1130 Refreshments
- 1130-1150 **Abdullah Kahraman – Future changes in lightning across Europe (and the UK) under RCP8.5, based on convection-permitting simulations**
- 1150-1210 **Masashi Kamogawa – Long-term variation of thunder days for winter lightning in Japan**
- 1210-1230 **Isabel Smith – Meteorological factors influencing observed lightning discharge currentcurrent**
- 1230-1400 Lunch break – Claverton Rooms
- 1400-1420 **Giles Harrison – Newly available datasets of surface atmospheric electricity**
- 1420-1440 **Blair McGinness – Evaluation of a point discharge Sensor as an atmospheric electricity instrument**
- 1440-1500 **Caleb Miller – Evaluating atmospheric electricity changes as an indicator of fog formation**
- 1500-1530 Refreshments
- 1530-1550 **David Reid – Modelling the formation of electric and magnetic fields of dust devils**
- 1550-1610 **Justin Tabbett – Development of a balloon-borne radioactivity detector for space weather measurements**
- 1610-1630 **Ronald Holle and Daile Zhang – Flashes of brilliance: The science and wonder of Arizona lightning**
- 1610-1700 Posters and Tea
- **Gayane Karapetyan – Climatology of lightning over a mountainous region – spatial and seasonal variability**
 - **Hripsime Mkrtchyan – Using reanalysis to identify fair weather for atmospheric electricity**
 - **Keri Nicoll – A charge emitter for use in evaluating aircraft rainfall enhancement**
 - **Gregory Marsden – Analysis of ash for near-vent volcanic lightning**

Internet Access: eduroam

Registration: <https://www.ctrwiae.org/events/ctr-wilson-meeting-for-atmospheric-electricity-4>

How to get to Bath: <https://www.ctrwiae.org/howtogettobath>

How to get to the University of Bath: <https://www.ctrwiae.org/howtogettobathuniversity>

Parking permit: Email Emma Davies at emd57@bath.ac.uk

Accommodation in Bath: <https://www.ctrwiae.org/accommodationinbath>