

# CTR Wilson Meeting on Atmospheric Electricity

**University of Bath, 11<sup>th</sup> November 2016**

*Sponsored by Metrol and the IOP Electrostatics Group*

*Supported by the Royal Meteorological Society, the Institute of Physics and the International Union of Radio Science*

Room 2E3.4 in Department of Electrical and Electronic Engineering

- |           |  |
|-----------|--|
| 1030-1100 | Welcome Coffee   |
| 1100-1120 | <b>Jonathon Wilkinson - Verification of NWP model forecasts of lightning using observations</b>                                    |
| 1120-1140 | <b>Sven-Erik Enno - Evaluating ATDnet performance relative to TRMM LIS</b>   |
| 1140-1200 | <b>Matthew Owens - Long-term variation in UK thunder days</b>  |
| 1200-1220 | <b>Graeme Marlton - A study of thunderstorm induced gravity waves over the Ivory Coast</b>   |
| 1220-1240 | <b>Mike Kosch - First sprites in South Africa</b>  |
| 1300-1430 | Lunch break – Wessex Restaurant  |
| 1430-1450 | <b>Steve Hudson – Schumann resonance observations in Papua New Guinea</b>  |
| 1450-1510 | <b>Daniel Mitchard - The Generation and Study of Lightning and Lightning Interactions at the Morgan-Botti Lightning Laboratory</b> |
| 1510-1530 | <b>Dominic Clarke – Possible Adverse Effects of Anthropogenic Electric Fields on Bees</b>  |
| 1530-1550 | <b>Gaby Hodosan – Radio emission of lightning on exoplanets and brown dwarfs: the case study of hat-p-11b</b>                      |
| 1550-1610 | <b>Michael Rycroft – A suggestion for an internationally collaborative research programme in atmospheric electricity</b>           |
| 1610-1620 | <b>Open Discussion – CTR Wilson Institute for Atmospheric Electricity</b>  |
| 1620-1745 | Posters and Tea  |
- Clara Montgomery - Do flowers dream of electric bees?**
- James Matthews - Comparison of Urban and Rural Potential Gradient Measurements**
- Martin Airey - VolcLab: A balloon-borne instrument package to measure ash, gas, and electrical properties of volcanic plumes**
- James Gilmore - The Effect of Precipitation on the Local Atmospheric Electric Field**
- Alec Bennett - Single-site thunderstorm detection using a combined electrostatic and radio direction finding technique**
- Christiane Helling – Plasma processes in Brown Dwarf atmospheres**
- Martin Fullekrug - Lightning detection with mini array**
- Zhongjian Liu - Lightning location with complex waveform tables**
- Kuang Koh - Impact of ionospheric variability on VLF communications**

Access to campus: <http://www.bath.ac.uk/about/gettinghere/maps>

Parking permit: Send email to Martin Fullekrug at [eesmf@bath.ac.uk](mailto:eesmf@bath.ac.uk)

Registration: <https://form.jotformeu.com/52815206767359>