

CTR Wilson Meeting on Atmospheric Electricity

University of Bath, 10th November 2017

Sponsored by the Royal Meteorological Society and the Institute of Physics

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

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| 1030-1100 | Welcome Coffee |
| 1100-1120 | Serge Soula - Characteristics of Lightning flashes generating sprites |
| 1120-1140 | Simon Ghilain - On the relationship between lightning and precipitation |
| 1140-1200 | Jonathan Fairman - Proximity soundings for convective storms producing cloud-to-ground lightning |
| 1200-1220 | Graeme Marlton - Using UK Met Office ATDnet lightning data to explore daily variations in Gravity Waves over the Ivory Coast |
| 1220-1240 | Edith Liliana Macotella Cruz – Wavelet analysis of long-term VLF amplitude |
| 1300-1430 | Lunch break – Wessex Restaurant |
| 1430-1450 | Dominic Clarke – Electrical interactions between bees and flowers |
| 1450-1510 | Derek Lane-Smith – Atmospheric electricity in Sierra Leone |
| 1510-1530 | Michael Rycroft – On the validity of the Earth-ionosphere capacitor concept |
| 1530-1550 | Keri Nicoll – Charge measurements at Stromboli volcano |
| 1550-1600 | Martin Fullekrug – CTR Wilson Institute for Atmospheric Electricity |
| 1600-1700 | Posters and Tea |
- **James Gilmore – Electric field measurements during convective clouds at Chilbolton**
 - **Giles Harrison – Detection of charge in the base of layer clouds**
 - **Henry Etheridge - The rate of electrical discharge across a micro-scale junction**
 - **Karmen Murphy and Euan Davies – Investigating correlations between lightning strikes and cosmic rays**
 - **Matthew Stedman – Laboratory investigations of the infra-red absorption of atmospheric ions**
 - **Michael Kosch – Sprite Observations from South Africa**
 - **Martin Fullekrug – Detection of low-frequency continuum radiation**
 - **Clara Montgomery – The effect of atmospheric electric fields on bumblebee behaviour and charge**
 - **Erica Morley – Electric flight in spiders?**

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

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

Parking permit: <https://www.ctrwiae.org/pp> - use 'sprite' for access, without quotes of course

Registration: <https://www.ctrwiae.org/registration>