CTR Wilson Meeting on Atmospheric Electricity

University of Bath, 6th November 2015

Sponsored by the IOP Electrostatics Group and the IOP Environmental Physics 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	**Michael Rycroft – What can happen above tall thunderclouds?**
1120-1140	**Elin McCormack – Application of Stark spectroscopy in remote sensing (invited)**
1140-1200	**Kuang Koh – Experimental investigation of thunderstorms in Southern Europe**
1200-1220	**Zhongjian Liu – Wave propagation velocity for lightning location system**
1220-1240	**Sven-Erik Enno – Analysis of the ATDnet detection efficiency using HyMeX Lightning Mapping Array dataset**
1240-1300	**Matthew Owens – Lightning variations associated with the heliospheric current sheet**
1300-1430	Lunch break – Wessex Restaurant
1430-1450	**Steve Hudson – Quasi-static based data communication in oil and gas wells: What are our options for modelling atmospheric electrical noise entering the system and what options do we have to mitigate this?**
1450-1510	**Hugo Jenks – A non-mechanical field mill**
1510-1530	**Dominic Clarke – Mechanisms of Electric Field Detection by Bumble Bees (invited)**
1530-1550	**Matthew Wright - Relationships between aerosol size and number concentration and potential gradient in an urban area**
1550-1610	**Alec Bennett – Measurement and applications of raindrop charge**
1610-1630	**Keri Nicoll – Measuring atmospheric electricity in Antarctica**
1630-1640	**Open Discussion – SPA/HTI on Atmospheric Electricity**
1640-1700	Farewell Tea

* The “Getting here” web page http://www.bath.ac.uk/about/gettinghere/maps describes how to gain access to campus. If anybody needs parking please contact Martin Fullekrug (eesmf@bath.ac.uk).

Please register at http://www.jotformeu.com/form/52222718339354 if you are planning to attend.