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13th International Conference on Electrostatics **ELECTROSTATICS 2011**

10–14 April 2011

Bangor University, Wales, UK

www.electrostatics2011.org

Organised by the IOP Electrostatics Group



ELECTROSTATICS 2011

The 13th International Conference on Electrostatics continues the quadrennial series organised by the Institute of Physics Electrostatics Group. The conference will bring together experts from academia, research laboratories and industry to discuss the many facets that make up the study of electrostatics.

In the preface to the proceedings of the first conference held in 1967, Dr. P. S. H. Henry, Chairman of the Static Electrification Group, wrote "Industry has been forced to study 'static' by its nuisance value". The nuisance and hazards created by static electricity remain an important area of study, but today electrostatics has grown to encompass a broad range of subject areas and has many interdisciplinary associations. Bio-electrostatics, atmospheric electrostatics and environmental electrostatics cover issues that are relevant to our everyday lives and our future. Looking beyond our own world, planetary electrostatics plays an important role in the understanding of Lunar and Martian environments that will be necessary for future exploration. Electrostatics is also important in the development of new materials, processes and micro- and nano-scale engineering. Electrostatics 2011 is the perfect forum to learn about and discuss the latest advances in these and other subjects.

Venue

Bangor University is the host venue for Electrostatics 2011. Bangor is an ancient, historic city with unique character and landscape, located on the North Wales coast between the Snowdonia National Park and the isle of Anglesey. With its long tradition of electrostatics research and teaching, Bangor University is sure to provide a warm welcome to Electrostatics 2011.

The Bill Bright Memorial Lecture

Prof. R. G. Harrison

(University of Reading, UK)

Topic: Atmospheric Electrostatics

Invited Speakers

Prof. I. Berta

(Budapest University of Technology and Economics, Hungary)

Topic: Lightning Protection

Dr. C. I. Calle

(NASA, Kennedy Space Center, USA)

Topic: Planetary Electrostatics

Prof. A. Ramos Reyes

(Universidad de Sevilla, Spain)

Topic: Electrohydrodynamics & Electrokinetics of Colloids

Dr. A. Ohsawa

(National Institute of Industrial Safety, Japan)

Topic: Accident Analysis of Explosions caused by Static Electricity

Details at www.electrostatics2011.org



ELECTROSTATICS 2011

Abstract Submission

The conference format will be a mixture of invited lectures from distinguished national and international scientists and engineers on a range of topics of current interest.

Key Dates

Abstract Submission deadline: **5 November 2010**

Notify authors of acceptance: **10 December 2010**

Proceedings submission deadline: **11 February 2011**

Abstract Requirement

Your abstract should be:

- 1 A4 page in PDF or MS Word format
- maximum of 1 figure and 3 references allowed

You will need to select a topic from the Subject Areas which will apply to your abstract submission.

To obtain guidelines and abstract templates visit the conference web page.

Subject Areas

- atmospheric electricity
- bioelectrostatics
- biological applications
- electrohydrodynamics
- ESD
- electrostatics in combustion
- electrostatic effects in drug delivery
- electrostatic microencapsulation
- electrospinning
- environmental electrostatics
- health effects
- history of electrostatics
- ionisation and charge control
- liquids
- measurements
- MEMS
- nanoelectrostatics
- nanoelectrospray
- nanofibres
- numerical modelling
- nonthermal plasmas
- particle control and transport
- powders
- safety and hazards
- standards
- textiles
- triboelectrification

Abstracts on other topics may be considered provided they come under the general heading of Electrostatics.

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Journal of Electrostatics



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Electrostatics Committee of Chinese Physical Society



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