



# PHYSMOD 2013

International Workshop on

## PHYSICAL MODELLING OF FLOW AND DISPERSION PHENOMENA

University of Surrey

September 16-18, 2013

The aim of the PHYSMOD international workshops is to bring together the community active in the physical modelling of atmospheric flow and dispersion in fluid modelling facilities, such as wind tunnels and water flumes. The biennial conference was re-established in 2001 and attracts a growing number of experts, young scientists and students active in the field. PHYSMOD provides a forum where the most recent advances in fluid modelling, the state-of-the-art in experimental work and new emerging research areas are discussed and assessed in an open-minded and friendly atmosphere. One of the main purposes is to provide a wide platform for information exchange and knowledge transfer between participants. Participating institutions and laboratories are encouraged to bring their students and to have them present their research work, to help incorporate them into the active fluid modelling community.

Key topics of the workshop are

- flow and dispersion in urban areas and the effect of buildings on transport and diffusion
- transient flow and dispersion phenomena in the atmospheric boundary layer
- flow and dispersion within and above idealized surface roughness
- boundary layer modelling for wind technology and wind energy research
- test data and validation of numerical and analytical modelling tools
- quality assurance and improvement of boundary layer modelling techniques

PHYSMOD 2013 is hosted by the Faculty of Engineering and Physical Sciences at the University of Surrey and organized by the EnFlo Laboratory. The University is easily reached from London Heathrow or Gatwick airports, the Eurostar terminus or by train and car.

Contributions are invited as oral or poster presentations. Please submit one page abstracts to Alan Robins at the e-mail address below.

Conference information can be found at [www.DAPPLE.org.uk/Physmod](http://www.DAPPLE.org.uk/Physmod).

Key dates

April 30, 2013

July 31, 2013

deadline for submission of one page abstract

deadline for submission of full papers

**Contact**

**[a.robins@surrey.ac.uk](mailto:a.robins@surrey.ac.uk)**

Please forward this announcement to colleagues active or interested in the field of physical modelling of environmental flow and dispersion phenomena.