

Department of Physics

Atmospheric, Oceanic and Planetary Physics

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The Dynamics of Rotating Fluids *with the UK Fluids Network* SIG: *Multi-scale Processes in Geophysical Fluid Dynamics* Friday 21 September 2018

A meeting of the Special Interest Group on the above theme will be held on Friday 21 September 2018 in the **Lindemann Lecture Theatre (1st Floor of the Clarendon Laboratory building on the Oxford Science Area – note change of venue)**. The programme is as follows:

11.30am Sean Jamshidi (UCL)

Coastal outflows into a buoyant layer of arbitrary depth

11.55am Daria Frank (Cambridge)

Experiments on single- and multi-phase plumes in a rotating environment

12.20pm Djoko Wirosoetisno (Durham)

On the rotating 2D Navier-Stokes equations

12.45pm LUNCH

2.00 Steffen Hien (Frankfurt)

Spontaneous inertia-gravity wave emission in the differentially heated rotating annulus experiment

2.25pm John Methven (Reading)

Circulation in warm conveyor belt outflow and effects on jet stream ridges

2.50pm Marton Mester (UCL)

Noise-induced split-type stratospheric sudden warmings

3.15pm Greg Colyer (Exeter)

Zonal-mean atmospheric dynamics of slowly-rotating terrestrial planets

3.40pm Tea/Coffee

4.10pm Peter Davidson (Cambridge)

A model of a dry tropical cyclone

4.35pm Vassilios Dallas (Oxford)

Toward rotating dynamos in small-scale laboratories

5.00 pm Yue-Kin Tsang (Leeds)

What does the magnetic power spectrum tell us about Jupiter's dynamo radius?

5.25pm Close

Maps of the Oxford Science Area and surrounding area can be found at

<http://www2.physics.ox.ac.uk/contacts/how-to-find-us> and

<http://www.physics.ox.ac.uk/contact/Physicsmap.pdf>

All are welcome. Further details can be obtained by e-mailing Peter Read:

peter.read@physics.ox.ac.uk or Paul Dellar: dellar@maths.ox.ac.uk.

Please feel free to forward this to anyone who may be interested.

Tea and coffee will be provided outside the lecture theatre before the meeting at 11am and during the afternoon break. For lunch, various options are available. Departmental cafeterias serving sandwiches and light lunches are open in Biochemistry (next to AOPP) and in the Clarendon Laboratory. Popular nearby pubs that serve food include the Lamb & Flag and Eagle & Child on St Giles, Kings Arms on Parks Road and Royal Oak on Woodstock Road. Various sandwich shops and restaurants can be found on St Giles or Little Clarendon Street.