

PhD Studentships in Geophysical and Astrophysical Fluid Dynamics

The Centre for Geophysical and Astrophysical Fluid Dynamics at Exeter is one of the leading research groups of its kind in the UK. Our research encompasses the Fluid Dynamics of Weather and Climate, Theoretical Fluid Dynamics, Astrophysical Fluid Dynamics, Solar-Terrestrial Plasmas and Space Weather. We invite applications to study for a PhD starting in Sept 2016.

A) Four fully-funded PhD projects are available in the following areas:

- Magnetic Helicity Flow in the Sun and Heliosphere - Supervisors: Prof. Mitchell Berger and Dr Claire Foullon;
- Modelling of Planetary Atmospheres - Supervisor: Professor Geoffrey Vallis;
- High-performance computing for GAFFD - Supervisor: Dr Martin Schreiber;
- Understanding and Improving the Path of the Gulf Stream extension in moderate resolution climate models - Supervisors: Prof. Beth Wingate and Dr. Mike Bell (Met Office);

The deadline for applications is 1 February 2016.

B) One EPSRC-funded PhD studentship is available in the following area:

- Validation of weather and climate models using asymptotic limits - Supervisors: Dr Bob Beare (UoE), Prof. John Thurnburn (UoE), and Prof Mike Cullen (Met Office);

The deadline for applications is 17 January 2016.

C) Three projects in the NERC GW4+ DTP competition are available in the following areas:

- Improving turbulence representation in high-resolution numerical weather prediction - Supervisors: Dr Bob Beare (UoE), Dr Adrian Lock (Met Office) and Prof. John Thurnburn (UoE);
- Statistical post-processing of ensemble forecasts of extreme weather events - Supervisor: Dr Frank Kwasniok;
- NEMO towards Exascale Computing- Supervisors: Dr. Martin Schreiber (UoE), Dr. Tim Graham (Met Office), Dr. Mike Bell (Met Office), Dr. Simon McIntosh-Smith (University of Bristol), Dr. Paul Selwood (Met Office) and Dr. Christopher Maynard (Met Office) ;

The deadline for applications is 8 January 2016.

We encourage interested applicants to browse our webpages for details of our wide-ranging research activities and further details on how to apply:

<http://tiny.cc/gafd-phd> <<http://tiny.cc/gafd-phd>>

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Dr Claire Foullon

Proleptic Senior Lecturer - STFC Advanced Fellow in Heliophysics

EMPS/CGAFD - University of Exeter, UK

C.Foullon@exeter.ac.uk <<mailto:C.Foullon@exeter.ac.uk>> | <http://emps.exeter.ac.uk/staff/cf337>

<<http://emps.exeter.ac.uk/staff/cf337>>