



## School of Mathematics and Statistics

### Research Fellow in Applied Mathematics

**Salary: £29,704 pa**

A 3 year post funded by the UK Engineering and Physical Sciences Research Council, starting 1 January 2010 or as soon as possible thereafter, is available to work with Drs Jean Reinaud and Richard Scott and Professor David Dritschel. The project will investigate the stability and interactions of vortices, of the type commonly observed in the atmosphere and oceans. In particular, the project will examine the effects of nonlinear fluid motions beyond the traditional 'quasi-geostrophic' approximation. The project will involve a combination of rigorous mathematical analysis and state-of-the-art computational techniques. Candidates must have a PhD in Applied Mathematics or a related subject area by the project start date, together with a strong background in both geophysical fluid dynamics and numerical computation (a knowledge of FORTRAN is required).

The project will involve international collaboration with groups in Australia, Germany and Spain, and some travel is expected. Informal enquiries to Drs Jean Reinaud ([jean@mcs.st-and.ac.uk](mailto:jean@mcs.st-and.ac.uk)), Richard Scott ([rks@mcs.st-and.ac.uk](mailto:rks@mcs.st-and.ac.uk)), or Professor David Dritschel ([dgd@mcs.st-and.ac.uk](mailto:dgd@mcs.st-and.ac.uk)).

**Please quote ref: SK040/09**

**Closing date: 15 October 2009**

Application forms and further particulars are available from Human Resources, University of St Andrews, The Old Burgh School, Abbey Walk, St Andrews, Fife KY16 9LB, (tel: 01334 462571, by fax 01334 462570 or by e-mail [Jobline@st-andrews.ac.uk](mailto:Jobline@st-andrews.ac.uk)). The advertisement, further particulars and a downloadable application form can be found at <http://www.st-andrews.ac.uk/employment/>.

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