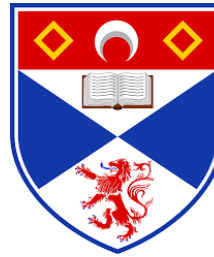
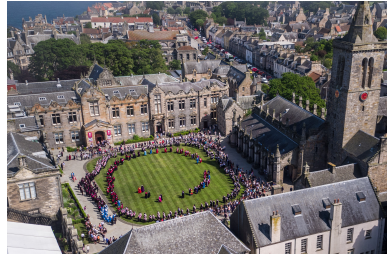


University of St Andrews, UK



TALK ANNOUNCEMENT

Prof. **David Gerard Dritschel**

(School of Mathematics and Statistics, University of St Andrews)

will give the talk

THREE POINT VORTICES: EQUILIBRIA, INSTABILITY,
PERIODIC MOTION AND MIXING

David G. Dritschel, Gregory N. Dritschel and Richard K. Scott
University of St Andrews, UK

We discuss the integrable motion of three point vortices in planar, two-dimensional flows, together with the motion of tracer particles advected by the vortices. Aspects of the motion of three vortices are well known, but surprisingly the complete parameter space has not been fully explored, and it turns out to be exceedingly rich. The generally periodic motion of the vortices also has the potential to give rise to chaotic mixing, and examples of this are presented.

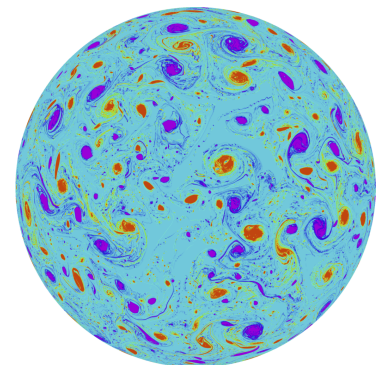
Tuesday, February 27th 2024, 11:00 am

Landrini Hall, Institute of Marine Engineering, National Research Council of Italy
Via di Vallerano, 139, Rome

Registration is required at this [link](#)

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Prof. Dritschel is the Head of the *Vortex Dynamics Research Group*, at the University of St Andrews. He is the most influential researcher in Vortex Dynamics. His research combines theoretical analysis and numerical computation in the study of fundamental aspects of atmospheric and oceanic fluid dynamics, with particular regards to the vortex dynamics.



inviscid turbulence (vorticity)