CURRICULUM VITÆ

15 January 2018

Dr Jean Noël Reinaud
Mathematical Institute
University of St Andrews
North Haugh
St Andrews KY16 9SS, Scotland
Tel : +44 (0)1334 463742
e-mail: jean.reinaud@st-andrews.ac.uk
Homepage : http://www-vortex.mcs.st-and.ac.uk/∼jean/
ORCID : 0000-0001-5449-6628
ResearchID : M-4669-2016

born on the 5^{th} of April 1973
British and French citizenships

Current position

Lecturer in Applied Mathematics, University of St Andrews.

Education

1991 Baccalauréat Série C (Maths & Physics) (Lycée Beaussier, La Seyne sur Mer)

1991/93 Advanced Classes in Mathematics to prepare entrance to the French 'Grandes Ecoles'
— Mathématiques Supérieures, lycée Dumont d'Urville, Toulon, France.
— Mathématiques Spéciales P', lycée Dumont d'Urville, Toulon, France.

1996 Engineering degree (M.Eng) in Aeronautics, 'Ecole Nationale Supérieure d'Ingénieurs de Constructions Aéronautiques' (ENSICA, now ISAE), Toulouse, France.

DEA (M.Sc) in Fluid Mechanics, Toulouse, distinction *très bien*.
— Dissertation: *Résolution lagrangienne des équations d'Euler bidimensionnelles par méthode vortex*. Supervisor : Dr L. Joly

2000 Ph.D in Fluid Dynamics, Institut National Polytechnique de Toulouse, distinction *très honorable*. Thesis awarded the *prix Léopold Escande*.
— Dissertation: *Analyse physique par simulations numériques lagrangiennes de couches de mélange à densité variable*. Supervisors : Prof P. Chassaing & Dr L. Joly.

Positions held

1996/97	National service. Centre d'Essais de la Méditérannée, Ile du Levant. *Engineer*.
1 Oct 2000 / 31 Aug 03	University of St Andrews, Vortex Dynamics research group. *Research Fellow* funded by the UK EPSRC.
1 Sep 2003 /	University of St Andrews, School of Mathematics and Statistics. *Lecturer in Applied Mathematics*.

Postgraduate/Postdoctoral supervision

Mr Amit Kiran, MSc student "Interactions between two atmospheric Quasi-Geostrophic Vortices" (graduated in 2004, PhD student at the University of Warwick).

Dr Ross Bambrey, PhD student "Strong Vortex interactions in Quasi-Geostrophic Flows" (co-supervisor: D.G. Dritschel), October 2003 – May 2007.

Dr Ersin Ozugurlu, Postdoctoral research fellow "A comprehensive exploration of vortex interactions in geophysical flows.", September 2004 – June 2006, now assistant professor in Turkey.

Dr David Devlin, PhD student "An investigation into the use of balance in operational numerical weather prediction" (co-supervisor: M. Cullen, Met Office) 2005/2011.

Dr William McKiver, Postdoctoral research fellow "The structure, stability and interaction of geophysical vortices " (co-workers: D. Dritschel, R. Scott), January 2010 - January 2011.

Dr Yue-Kin Tsang, Postdoctoral research fellow "The structure, stability and interaction of geophysical vortices " (co-workers: D. Dritschel, R. Scott), September 2011 - July 2013.

External PhD examination

External examiner for the PhD of Alan Hinds (University of London), 2007, and Bin Bin Xue (University of London), 2017.

Internal PhD examination

Internal examiner for the PhD of Jemma Shipton (2010), Louise Smy (2011), Daniel Lucas (2012).

Award

2001 *Léopold Escande* Ph.D thesis prize from the scientific council of the Institut National Polytechnique de Toulouse.

Grants

2004/2006 *A comprehensive exploration of vortex interactions in geophysical flows.*
UK Engineering and Physical Sciences Research Council, $£96,683$.

2005/2008 *Numerical Study of Atmospheric and Oceanic Models.*
UK Engineering and Physical Sciences Research Council, $£52,892$
Met Office $£16,950$

2009/2012 *The structure, stability and interaction of geophysical vortices.*
UK Engineering and Physical Sciences Research Council
(PI, with Co-Inv Dr Richard Scott & Prof. David Dritschel), $£382,762$

Refereeing: Journal of Fluid Mechanics, Journal of Atmospheric Sciences, Canadian Journal of Physics, Fluid Dynamics Research, Physics of Fluids, Geophysical and Astrophysical Fluid Dynamics, Non Linear Processes in Geophysics, European Journal of Applied Mathematics, Ocean Modelling, Journal of Engineering Mathematics, Deep-Sea Research Part I, Geophysical Research Letters, Fluids, Chaos, Journal of Geophysical Research - Atmospheres, Revista Mexicana de Física, Journal of Geophysical Research - Oceans. Also reviewer for EPSRC and NSF and ERC Alliance grants.

Reviewing: Mathematical Reviews (AMS).

Memberships:

- 2006 - Elected member of the Edinburgh Mathematical Society.
- 2016/17 - Member of the EPSRC Peer Review Associate College

- 2017 - Member of the EPSRC College