Published Conference Papers


Nambu, Y., Murai, Y., THOMAS, P.J. (2010) Vortex Ring Impingement upon a Wall in Background Rotation. 8th Japan-UK Seminar on Multiphase Flows 13th-15th September, Otaru City, Hokkaido, Japan

Brend, M.A., Sken, A.J., Thomas, P.J., Bryanston-Cross (2010) The Effects of Background Rotation upon Vortex Rings. In: Book of Abstracts, p. S15-3, 8th Euromech Fluid Mechanics Conference, Bad Reichenhall, September 13-16 (First author, M.A. Brend, was presented the Euromech Fluid Mechanics Young Scientist Award for this paper during the closing session of the conference.)


[48] Molokov, S., Pedcenko, A., THOMAS, P.J., Lukyanov, A., Priede, J. 2008 Theoretical and Experimental Study of Interfacial Instability in Aluminium Reduction Cells, to be presented at the 7th PAMIR International Conference on Fundamental and Applied MHD, Presque ile de Giens, France, 8-12 September


[38] Brend, M.A., THOMAS, P.J. (2006) Effects of Background Rotation on Vortex Rings. Paper presented at the annual half-day meeting on The Dynamics of Rotating Fluids, held at Department of Mathematics, University College London, 6 January 2006.


[34] Brend, M.A., THOMAS, P.J. (2005), The Effects of Background Rotation on Vortex Rings, invited talk presented at the ‘Workshop on Dynamical Systems, Fluid Dynamics and Turbulence’ 31 October - 2 November, Department of Mathematics, University of Warwick.


Zoueshtiagh, F., THOMAS, P.J. 1999 Spiral Patterns Formed by Granular Media Underneath a Rotating Fluid - Experiment vs. Computation. Poster contribution to the *Gallery of Fluid Motion* contest held at the 52nd Annual Meeting of the Division of Fluid Dynamics, New Orleans, USA, 21-23 November 1999. The poster was selected as one of the winning entries to the contest.


C) Other Publications


D) Invited National and International Research Seminars since 1994


THOMAS, P.J. 2007 From Coastal Currents to Vortex Rings: How background system rotation affects their dynamics. Seminar given to Department of Engineering Science, University of Liverpool, UK, 28 March.

THOMAS, P.J. 2007 From Coastal Currents to Vortex Rings: How background rotation affects their dynamics. Seminar given to School of Engineering Science, University of Southampton, UK, 14 February.

THOMAS, P.J. 2006 From Coastal Currents to Vortex Rings: Experiments Investigating Effects of Background Rotation on their fluid dynamics. School of Physics, Trinity College, Dublin, Ireland, 27 January.

THOMAS, P.J. 2005 From Coastal Currents to Vortex Rings: Effects of Background Rotation on their Fluid Dynamics. Department of Aeronautics, Imperial College, London, UK, 16 November.

THOMAS, P.J. 2005 From Coastal Currents to Vortex Rings: Effects of Background Rotation on their Fluid Dynamics. School of Mathematics, University of Birmingham, Birmingham, UK, 3 November.

THOMAS, P.J. 2005 (a) Modeling Oceanographic Coastal Currents in the Laboratory: Small-scale vs. Large-scale Experiments. (b) Investigation of the Influence of Background Rotation on the Dynamics and the Stability of Vortex Rings – Preliminary Results) Two-part seminar given to School of Mathematics, Cardiff University, Cardiff, UK, 16 March.

THOMAS, P.J. 2004 (a) Modeling Oceanographic Coastal Currents in the Laboratory: Small-scale vs. Large-scale Experiments. (b) Investigation of the Influence of Background Rotation on the Dynamics and the Stability of Vortex Rings – Preliminary Results) Two-part seminar given to Department of Physics, Eindhoven University of Technology, Eindhoven, The Netherlands, 10 December.

THOMAS, P.J. 2004 (a) Modeling Oceanographic Coastal Currents in the Laboratory: Small-scale vs. Large-scale Experiments. (b) Investigation of the Influence of Background Rotation on the Dynamics and the Stability of Vortex Rings – Preliminary Results) Two-part seminar given to Laboratoire de Mécanique de Lille, Université des Sciences et Technologies de Lille, Lille, France, 9 December.

THOMAS, P.J. 2004 Modeling Oceanographic Coastal Currents in the Laboratory: Small-scale vs. Large-scale Experiments. Seminar given to Department of Civil and Environmental Engineering, Imperial College, London, UK, 2 February.


THOMAS, P.J. 2003 Mathematics vs. The Real World – On the delights of being an experimental philosopher. Invited guest lecture given at the LMS/EPSRC sponsored instructional course on hydrodynamic stability theory, held at Keele University, Department of Mathematics, June 22-27, talk given on 26 June.

THOMAS, P.J. 2002 Laboratory Simulations of Gravity-Driven Coastal Currents. Seminar given to Southampton Oceanography Centre, Southampton, UK, 7 November.


THOMAS, P.J. 2002 Granular spirals under rotating fluids. Seminar given to Institut de
Recherche sur les Phénomènes Hors Equilibre, Universités d'Aix Marseille I et II, Marseille, France, 12 April.


[17] THOMAS, P.J. 2001 What 's Dirt Got To Do With It? – Patterns in Suspensions, Seminar given to Department of Physics and Astronomy, University of Manchester, 14 March.


[8] THOMAS, P.J. 1997 Spiral-pattern formation of granules on the bottom of a fluid-filled tank. Seminar given to School of Mathematical and Information Sciences, Coventry University, Coventry, UK, 27 October.


[2] THOMAS, P.J. 1994 Spiral-pattern formation of granules on the bottom of a fluid-filled tank. Seminar given to Department of Applied Mathematics and Theoretical Physics, University of
Cambridge, Cambridge, UK, 28 October.


E) Internal Research Seminars since Commencement of Position at Warwick in August 1995


[6] THOMAS, P.J. 2005 Vortex Rings: Effects of Background Rotation on their Dynamics, Seminar given to Fluid Dynamics Research Centre, School of Engineering, University of Warwick, Coventry, UK, 5 October.

[5] THOMAS, P.J. 2004 Modelling Oceanographic Coastal Currents in the Laboratory: Small-scale vs. large-scale experiments, Seminar given to Fluid Dynamics Research Centre, School of Engineering, University of Warwick, Coventry, UK, 21 April.

[4] THOMAS, P.J. 2002 Sandstorms in Fish tanks: Granular Spiral Patterns Under Rotating Fluids, Department of Physics, University of Warwick, Coventry, UK, 27 October.


[2] THOMAS, P.J. 1997 A layman’s introduction to 2D turbulence. Talk given at MIR@W, 2D Turbulence Day held at Mathematics Department, University of Warwick, Coventry, UK, 12 November.