

**BRIEF CURRICULUM VITAE:
ROGER HAMILTON JAMES GRIMSHAW**

Date of Birth, 13 December 1938 in Auckland, New Zealand

Nationality, British, Australian

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Mailing Address Department of Mathematical Sciences, Loughborough University,
Loughborough LE11 3TU, UK.

Honours Elected Fellow of the Australian Academy of Sciences, 1990.

Awarded the Centenary Medal of Australia, 2002

Awarded the ANZIAM Medal, 2004.

Present Position 2000 - Professor of Mathematical Sciences, Department of
Mathematical Sciences, Loughborough University.
2001- Director, Centre for Nonlinear Mathematics and Applications,
Loughborough University.

Academic Qualifications B.Sc.(Auckland, 1960), M.Sc.(1st Class, Auckland, 1961),
Ph.D. (Cambridge, 1964).

Previous Employment 1965-1969 Snr. Lecturer, Dept. of Mathematics, Univ. of
Melbourne; 1970-1985 Reader, Dept. of Mathematics, Univ. of Melbourne; 1986-1992
Professor of Applied Mathematics, School of Mathematics, University of New South
Wales; 1992-2001, Professor of Applied Mathematics (Head from 1994-1997),
Department of Mathematics and Statistics, Monash University, 1992-1999; 1998-1999
Director of the Centre for Dynamical Meteorology and Oceanography, Monash
University; 1994- Honorary Visiting Professor, School of Mathematics, University of
New South Wales; 2002- Honorary Senior Research Fellow, School of Mathematics and
Statistics; 2002- Honorary Research Fellow, Department of Mathematics, University
College London.

Research Experience (1990-2011) Participated in 128 international meetings (invited
speaker at 93). Given numerous seminars in overseas institutions, and in Australia.
Visited various overseas institutions on research projects (including M.I.T., Woods Hole
Ocean. Inst., Scripps Inst. of Ocean., Cal.Inst.Tech., Univ. Southern California,
ENS-Cachan [Paris], Hong Kong Univ., Hong Kong Univ. Science and Technology,
Univ. Cambridge, St.Andrews Univ., Univ. Coll.London, LMD [Paris], CMLA
ENS-Cachan [Paris], Peking Univ. Shanghai Univ. Technology, P.P. Shirshov Institute
of Oceanology [Moscow], Institute of Applied Physics [Nizhny Novgorod]). Supervisor of
many B.Sc Hons theses, MSc and PhD candidates and post-doctoral research associates.
Examiner for many PhD theses, including 3 in UK, and 3 in EU in the last 5 years.

Research Funding (2000-) UK EPSRC Grant: “Dynamics of finite-amplitude internal
and inertial waves” (GBP 128,521). US ONR Grant “Internal solitary waves” (USD
290,000). Two Leverhulme Visiting Professor Grant (GBP 38,000, GBP67,500). Many
smaller (¡ GBP 20,000) UK grants from EPSRC. LMS, Royal Society. Australian grants
(1990-2001) 22 external grants (including 14 ARC) totaling AUD 2,552,100 plus many
internal grants such as Small ARC grants.

Research Interests Linear and nonlinear waves; solitary waves in fluids; fluid dynamics;
geophysical fluid dynamics; theoretical physical oceanography; internal solitary waves.
278 refereed publications (195 since 1990), 6 books, 25 chapters in books, 37 conference
proceedings. Citations index 13.44, h-index 28.

Professional Interests Member seven scientific societies, past chair Division of Applied Mathematics (Aust.Math.Soc.), past member Nat. Comm. Theor. Appl. Mech, member Nat. Comm. Climate Atmos. Sci., director 1988 Australian Applied Mathematics Conference, director 1991 IUTAM Symposium Breaking Waves, convenor session in 1997 IAMAS-IAPSO Symposium, convenor pre-nominated session in “Waves” at ICTAM 2000, organiser CISM Summer School on “Nonlinear Waves in Fluids”; 2005-06 Program Director of the SIAM Activity Group on Nonlinear Waves and Coherent Structures; organizer and director of CISM Summer School on Nonlinear Waves in Fluids, Udine, 2004; co-director Workshop on Rogue Waves for ICMS (2005); co-director Workshop on Internal Solitary Waves (2008); principal lecturer at WHOI GFD Summer School on “Nonlinear Waves” (2009) lecturer on “Exponential Asymptotics” at Workshop on Asymptotic Methods, CISM Udine (2009); member EPSRC college; member scientific committee of many international meetings; external examiner and reviewer for several applied mathematics departments and chair positions.

Editorial interests Associate Editor of Journal of Fluid Mechanics(1995-2000), Geophys. Astro. Fluid Dynamics (1989-1995), J. Aust. Math. Soc. Ser B (1982-96), Canadian Appl. Math. Quarterly (1991-2005), Nonlinear Processes in Geophysics (2000-09, Chief Editor 2009-), Wave Motion (2004-) Theoretical and Computational Fluid Dynamics (2002-); Editorial Board of Studies Appl. Maths.(1990-), Geophys. Astro. Fluid Dynamics (1995-), Chaos(1998-), Int. J. Nonlinear Modelling in Science and Engineering(2000-), Int J. Differential Equations and Applications (1999-), Int. J. Math. & Math. Sci (1999-), Differential Equations and Dynamical Systems (1992-8), Differential Equations and Nonlinear Mechanics (2005-10). Int. J. Applied Mathematics and Engineering Sciences (2006-).