

CURRICULUM VITAE

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Education

University of Adelaide	Mathematics	B.Sc.(Honours) (1st class) 1967
Flinders University of South Australia	Mathematics	M.Sc. 1968
University of Cambridge	Applied Mathematics	Ph.D. 1972
DAMTP, University of Cambridge	Postdoc.	1972-1976

Appointments

Assistant Director of Research	DAMTP, University of Cambridge	1976-1991
Director, Fluid Dynamics Laboratory	DAMTP, University of Cambridge	1976-1998
Fellow and Director of Studies in Mathematics	Downing College, Cambridge	1977-1998
Reader in Geophysical Fluid Dynamics	DAMTP, University of Cambridge	1991-1998
Blasker Professor of Environmental Sci. and Eng.	MAE, UC San Diego	1998-
Department Chair	MAE, UC San Diego	2004-
Interim Director, Environment & Sustainability Initiative	UC San Diego	2007 -

Visiting Appointments

Visiting Research Fellow	Australian National University	1977
Visiting Fellow	Woods Hole Oceanographic Institution	1981
Visiting Research Fellow	Australian National University	1984
Visiting Professor	Universidad Politecnica de Catalunya	1996, 1997
Principal lecturer, GEFD Summer School	DAMTP	1998-2001

Honors and Awards

Phillips Prize for Physics, University of Adelaide	1965
Gardner Scholarship, Emmanuel College, Cambridge,	1969
GFD Fellow, Woods Hole Oceanographic Institution	1970
Chair d' Environnement de Lyon, Ecole Central d' Lyon	1996
Fellow of Royal Meteorological Society	1982
Fellow of the American Physical Society	2003
GK Batchelor Lecturer, Australasian Fluid Mechanics Conference	2001
UCSD Diversity Award	2006
UCSD Sustainability Award	2007
Fellow of the Royal Society	2007

Major Invited Lectures

2nd European Fluid Mechanics Conference, Warsaw, Poland. 1994.
IUTAM General Assembly, Kyoto Japan. 1996.

American Physical Society, New Orleans, LA, USA. 1999.
GK Batchelor Lecturer, 14th Australian Fluid Mechanics Conference, Adelaide, Australia. 2001.
Plenary lecturer, European Geophysical Society, Nice, France. 2002.
Plenary lecturer, 9th Asian Conference of Fluid Mechanics, Isfahan, Iran. 2002.
Plenary lecturer Indian Science Congress, Bangalore, India. 2003.
Plenary lecturer Euromech 471, Gottingen, Germany. 2005
Opening lecturer, Conference on Physical Oceanography of Coastal Seas, Bangor, Wales, 2006
Invited lecturer, Conference to celebrate the 50th Anniversary of the Journal of Fluid Mechanics, Cambridge, UK, 2006.
Invited lecturer, Mexican Physics Society Meeting, Mexico, 2006
Keynote speaker, 6th International Symposium on Stratified Flows, Perth, Australia, 2006.

Editorial Boards

Associate Editor, *Geophysical and Astrophysical Fluid Dynamics* 1985–1995.
Editorial Board, *Annual Reviews of Fluid Mechanics* 1998–2003
Regional Editor, *Visualization in Fluid Mechanics* 1997–
Associate Editor, *Journal of Fluid Mechanics* 2005–

Conferences organized

Co-organizer, Euromech 51, Cambridge UK, 1974.
Co-convenor, GFD section of European Geophysical Society, Budapest, Hungary 1980.
Founding co-organizer, Challenger Society, UK Oceanography Conferences, Menai Bridge, UK, 1984.
Organizing committee of UK Oceanography 1984, 1986, 1992.
Co-convenor, Euromech 245, Cambridge UK, 1989.
Organizing committee, Euromech Fluid Dynamics Conference 1991, Cambridge UK.
Organizer, Meeting on Natural Ventilation, DAMTP, Cambridge UK, June 1993.
Chair, 4th IWCTM, Cambridge UK, 1993.
Scientific Committee, 4th IAHR Symposium on Stratified Flows, Grenoble, France 1994.
Chair, Symp. in Honour of John Simpson's 80th birthday, DAMTP, Cambridge UK, March 1995.
Co-organizer, Mixing and Entrainment in the Atmosphere and Ocean at UKMO, July 1995.
Scientific Committee, 5th IWCTM, Princeton NJ, 1995.
Co-organizer, IMA Symposium on Stratified Flows, Dundee UK, September 1996.
Scientific Committee, 6th IWCTM, Moscow, Russia, 1997.
Scientific Committee, Intl. Workshop on Mixing in the Ocean, St. Petersburg, Russia, 1998.
Scientific Committee Roomvent 2000, Reading UK, 2000.
Scientific Committee, 5th IAHR Symposium on Stratified Flows, Vancouver, Canada, 2000.
Scientific Committee Roomvent 2004, Coimbra Portugal, 2004.

Summer Schools

NERC, DAMTP Geophysical and Environmental Fluid Dynamics Summer School, Cambridge UK. Co-founder 1991. Core lecturer 1991-2000. Laboratory coordinator 1991-1997.
Lecturer, Italian Physical Society Summer School on Nonlinear Processes in Ocean Physics, Varenna Italy, 1989.
Lecturer, CISM Summer School on Rotating Flows, Udine Italy, 1990.
Lecturer, Building Research Establishment Professional Development Course, London, UK 1994.

Lecturer, Summer School on Geophysical Fluid Dynamics at Santander, Spain, 1995.
Lecturer, Short Course on Environmental Fluid Mechanics, Budapest, Hungary, 7-16 June 2004.
Lecturer, Summer School on Geophysical Turbulence, Vilanova el Geltru, Spain, September 2004.
Lecturer, Short Course on Environmental Fluid Mechanics, Karlsruhe, Germany, 6-15 June 2006.

Scientific Panels

UK NERC Scientific Review Panel for Atmospheric and Aquatic Physical Sciences, 1985-1988.
UK NERC Scientific Management Audit of Proudman Oceanographic Laboratory, 1995.
UK NERC Scientific Management Audit of Center for Coastal Studies, 1998.
US National Science Foundation Physical Oceanography Review Panel, 1999.
Review panel for Burgerscentrum for Fluid Mechanics, The Netherlands, 2006

Other

Science Advisory Board Member, San Diego County. 2001-
Chair IUTAM working party on Geophysical and Environmental Mechanics, 2004 -
IUTAM delegate on ICSU Scientific Commission for Problems in the Environment (SCOPE) 2006
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MS students

1993 Hayward, JM
1998 Kanda, I
2000 Lin, YJ

PhD students

1977 McDougall, TJ
1982 Smeed, DA
1984 Allen, SE
1987 Dalziel, SB
1988 Lane-Serff, GF
1989 Redondo, JM
1991 Barnett, S; Caulfield, C-C P; Davies, GMJ
1993 Manasseh, R; Gilmour, P
1994 Holford, JM; Hughes, GO
1995 Hacker, JN; Rooney, GG; Feng, Y
1996 Owinhow, A
1998 Cenedese, C; Kaye, NB
1999 Rooij, F de
2000 Ross, AN
2001 Kanda, I; Shin, JO
2002 Harichandran, P; Lin, YJ
2003 Carrilho da Graca, G
2006 Qing (Anna) Liu, Morris Flynn

Postdoctoral students

Bouruet-Aubertot,P
Chereskin, TK
Dalziel, SB
Drayton, MJ
Flor, J-B
Griffiths, RW
Hacker, JN
Heijst, GJF van
Holford, JM
Hunt, GR
Kobine, JO
Leppinen, DM
Lin YJ
Kanda, I
Manasseh, R
Kobine, J
Kurapov, A
O'Donnell, JM
Redondo, JM
Schulkes, R
Simpson, JE
Smeed, DA
Sutherland, BR
Thomas, PJ