

# CURRICULUM VITAE

PAUL F. LINDEN FRS FRMetS

## Current positions

### Director of Research: G.I. Taylor Professor Emeritus of Fluid Mechanics

Department of Applied Mathematics and Theoretical Physics

University of Cambridge

Centre for Mathematical Sciences

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### Professorial Fellow Emeritus

Downing College, Cambridge

### Research Professor & Blaske Distinguished Professor Emeritus of Environmental Science and Engineering

Department of Mechanical and Aerospace Engineering

University of California, San Diego, La Jolla, CA 92093-0411, USA

Tel: +1 858 822 2274 Cell: +1 848 519 7712 email: pflinden@ucsd.edu

web: [maeresearch.ucsd.edu/linden/](http://maeresearch.ucsd.edu/linden/)

## 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

## Previous 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
Blaske Distinguished Professor of Environmental Sci. and Eng.	MAE, UC San Diego	1998-2010
Department Chair	MAE, UC San Diego	2004-2009
Director, Environment and Sustainability Initiative	UC San Diego	2007-2008
Inaugural Director, Sustainability Solutions Institute	UC San Diego	2008-2010

## 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	1998-2000
Visiting Professor	Dept. of Arch. and Civil Eng., University of Bath	2008-2011

## **Honours and Awards**

Phillips Prize for Physics, University of Adelaide	1965
Gardner Scholarship, Emmanuel College, Cambridge,	1969
GFD Fellow, Woods Hole Oceanographic Institution	1970
Fellow of Royal Meteorological Society	1982
Chair d' Environnement de Lyon, Ecole Central d' Lyon	1996
GK Batchelor Lecturer, Australasian Fluid Mechanics Conference	2001
Fellow of the American Physical Society	2003
UCSD Diversity Award	2006
UCSD Sustainability Award	2007
Fellow of the Royal Society	2007
Member Academia Europea	2013

## **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.  
Plenary lecturer, Korean Meteorological Society, Seoul, Korea, 2008.  
G.I.Taylor lecturer, Cambridge Philosophical Society, Cambridge, UK 2010  
William Mong lecture, Singapore, 2014  
Plenary lecturer, IUTAM Symposium on Advances in Computation, modeling and control of transitional and turbulent flows, Goa, India 2014  
GK Batchelor Lecturer, 20th Australian Fluid Mechanics Conference, Adelaide, Australia. 2016.

## **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* 2005–2010  
Associate Editor, *Proc. Roy. Soc. A* 2008–2013  
Deputy Editor, *Journal of Fluid Mechanics* 2010–  
Editor, *JFM Rapids* 2012–2015  
Editor, *JFM Perspectives* 2015–

## **University service**

Director, Cambridge Forum for Sustainability and the Environment, 2013–2018  
Director DAMTP/Ecole Polytechnique Summer School *Fluid Dynamics of Sustainability and the Environment*  
Member, Energy and Carbon Reduction Project Board, 2012–2015  
Member, NW Cambridge Quality Panel, 2013–2017

## **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.  
International Programme Committee, ICTAM, Adelaide, Australia, 2008.  
Member review committee Norwegian mathematics, 2011.  
Chair, G.K. Batchelor Prize committee, 2011.  
International Programme Committee, ICTAM, Beijing, PRC, 2012.

## **Other**

IUTAM delegate on ICSU Scientific Commission for Problems in the Environment (SCOPE) 2006–  
Comité scientifique Laboratory for Systems and Engineering of Paris Saclay 2012–  
Director DAMTP-École Polytechnique summer school on Fluid Dynamics of Sustainability and the  
Environment 2012–2018  
EUROMECH Council Member 2013–2018  
Member at Large, Executive Committee, Division of Fluid Dynamics, American Physical Society  
2014–2019  
Member, Strategic Advisory Team (Mathematics), EPSRC.

## **Current grants**

1. Stratified turbulence and mixing processes (STAMP), PI, ERC Advanced Investigator Grant, €2.3M, 2017–2022
2. Managing Air in Green Inner Cities (MAGIC), PI, EPSRC Grand Challenge Future Cities, £4.1M, 2015–2020
3. Natural materials innovation for sustainable living, CI, Leverhulme Programme Grant £1.75M, 2014–2019
4. UK Fluids Network, CI, EPSRC, £1.1M, 2016–2019
5. Dynamics of Air Curtains, PI, EPSRC Impact acceleration grant. £70K, 2016–2018
9. Two EPSRC iCASE studentships: until 30/09/2019 £250K PhD studentships with industrial sponsors Arup and the UK Met Office