

# DWIGHT BARKLEY

## SHORT CURRICULUM VITAE

Mathematics Institute  
University of Warwick  
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Date of birth: 7 January, 1959



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### Current Position

Professor of Mathematics

### Prior Appointments

Deputy Director, Mathematical Interdisciplinary Research Programme		(1997 - 2010)
Reader in Mathematics	University of Warwick	(1998 - 2004)
Lecturer in Mathematics	University of Warwick	(1994 - 1998)
NATO Postdoctoral Fellow	Ecole Normale Supérieure de Lyon	(1993 - 1994)
NSF Postdoctoral Fellow	UT Austin/Princeton University	(1992 - 1993)
Postdoc (Applied & Computational Maths)	Princeton University	(1989 - 1992)
Postdoc (Applied Mathematics)	California Institute of Technology	(1988 - 1989)

### Education

Ph.D. in Physics, The University of Texas at Austin (1988).  
M.A. in Physics, The University of Texas at Austin (1984).  
B.S. with honors in Physics, Phi Beta Kappa, Catholic University of America (1980).

### Visiting Positions

Kavli Institute for Theoretical Physics, Santa Barbara (2017).  
Institute for Pure & Applied Mathematics, Los Angeles (2014).  
Total-ESPCI ParisTech Chair, Paris (2013).  
Senior Fellowship, *Ville de Paris*, Paris (2006-2007).  
Visiting Professor, University of Paris VII, Paris (2008).  
Senior Visiting Scientist (*Chercheur Associé du CNRS*), Orsay (2001).  
Senior Visitor: Institute for Mathematics and Its Applications, Minneapolis (1997 - 1998).

### Professional Honours

Elected Fellow of the European Mechanics Society (2024).  
Invited to write inaugural article for *JFM Perspectives* (2016).  
Elected Fellow of the Society for Industrial and Applied Mathematics (2016).  
Awarded University of Warwick, Mathematics Institute Teaching Prize (2014).  
Awarded Royal Society-Leverhulme Trust Senior Research Fellowship (2009-2010).  
Elected Fellow of the American Physical Society (2008).  
Elected Fellow of the Institute of Mathematics and Its Applications (2008).  
Awarded SIAM J.D. Crawford Prize (2005).

Publications available by request and at:  
<http://www.warwick.ac.uk/staff/D.Barkley/Research/papers.html>

## Membership and Selected Professional Service

Life member of the American Physical Society.  
Member of the Society for Industrial and Applied Mathematics.  
Member of the Institute of Mathematics and Its Applications.  
Member of the European Mechanics Society.  
Member of the London Mathematical Society.  
Editorial Board *JFM Perspectives* (2023 – )  
J.D. Crawford Prize Committee for the SIAM Activity Group: SIAG/DS (2023).  
Associate Editor for *SIAM Journal on Applied Dynamical Systems* (2002 – 2019)  
Advisory Editor for *Texts in Applied Mathematics*, Springer-Verlag (2003 – 2009).  
Chair of Nominations Committee, SIAM Activity Group: SIAG/DS (2017).  
Advisory Board member SIAM Activity Group: SIAG/DS (2016 - 2017).  
Peer reviewer for the Italian Evaluation of Research Quality Exercise (2012).  
J.D. Crawford Prize Committee for the SIAM Activity Group: SIAG/DS (2006-2007).  
Co-organiser for Warwick Symposium on Turbulence (2005–2006).  
Nominations Committee for the APS Division of Fluid Dynamics (2005–2006).  
Nominations Committee for the SIAM Activity Group on Dynamical Systems (2005).

## Selected Presentations

Plenary talk: *XXXII IUPAP Conference on Computational Physics*, (Aug, 2021)  
UK Fluids Mechanics Webinar Series, (June, 2020)  
Keynote talk: *New approaches to hydrodynamic stability*, IIT Madras, India, (Feb, 2020)  
Plenary talk: *European Turbulence Conference*, Torino (Sep, 2019).  
Invited talk: International Conference on Control of Turbulent Friction Drag, Xi'an, (June, 2019)  
Plenary talk: *GAMM*, Vienna (Feb, 2019).  
Winter School Lectures: *Bremen Winter School and Symposium*, (2018).  
Plenary talk: *American Physical Society, Division of Fluid Dynamics* (2017).  
Invited talk: *Dynamics of Patterns*, Oberwolfach, (2012).  
Keynote talk: *Interdisciplinary Turbulence Initiative Conference on Turbulence*, Bertinoro (2012)  
Invited talk: *March CoMeeting, Complex matter physics: materials, dynamics, & patterns*, Havana (2012).  
Invited: *Gordon Conference on Oscillations & Dynamic Instabilities in Chemical Systems*, Barga (2010).  
Plenary talk: *Joint SIAM/RSME-SCM-SEMA meeting, DSPDEs'10*, Barcelona (2010)  
Distinguished Lecture, Institute of Advanced Studies, Surrey (2005).  
Training Course Lectures: *Pattern Formation in Large Domains*, Newton Institute, Cambridge (2005).  
Summer School Lectures: International Center for Theoretical Physics, Trieste (2002).

## PhD Students and Postdocs

Emanuele Zuccoli (PhD, 2024)	Santiago Benavides (2022 - 2023)
Sébastien Gomé (PhD, 2022)	Akhilesh Verma (2020 - 2022)
Jacob Langham (PhD, 2017)	Matthew Chantry (2014 - 2017)
David Moxey (PhD, 2011)	Andrew Foulkes (2008 - 2010)
Chris Cantwell (PhD, 2009)	Grigory Bordyugov (2007)
Paul Wheeler (PhD, 2007)	Daniel Margerit (1998 - 2000)
Graham Duckett (PhD, 1998)	Evgeni Nikolaev (1996 - 1997)
Rolf Mantel (PhD, 1997)	