

Charles ELLIOTT, *Professor of Mathematics*
Mathematics Institute, University of Warwick, CV4 7AL, UK

Date of birth: 9th June 1951

Citizenship: British

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University Education and Qualifications:

B.Sc. (Mathematics), University of Birmingham, 1969–1972

M.Sc. (Mathematics), University of Oxford, 1972–1973

D.Phil. (Mathematics), University of Oxford, 1976

Positions:

Professor of Mathematics, University of Warwick, 1 August 2007–

Director of MASDOC Centre for Doctoral Training, University of Warwick, 2010–

Head of Department, Mathematics University of Sussex, 1 Aug 2003 - 30 June 2007

Chair of Mathematics, University of Sussex 1 Jan 1987-31 July 2007

Visiting Associate Professor, Mathematics Department, 1985-1986, Purdue University

University Lecturer, Mathematics Department, 1978-1986, Imperial College of Science and Technology, London

Postdoctoral Research Fellow, University of Oxford, 1975-1978, Computing Laboratory

Selected Honours and Distinctions:

Elected Fellow of the IMA (UK Institute of Mathematics and its Applications)

Humboldt Prize, 2010

Alexander von Humboldt Prize Lecture, 18 October 2010, Berlin

Turner-Kirk Visiting Fellow, Newton Institute, Cambridge, 2014

Elected SIAM Fellow, 2015

Rothschild Distinguished Fellowship, Newton Institute, Cambridge, 2015

Rothschild Distinguished Fellowship Lecture, Newton Institute, Cambridge, 4 December 2015

Royal Society Wolfson Research Merit Award, 2016

Memberships of Scientific Advisory Boards:

Isaac Newton Institute for Mathematical Sciences, Cambridge, Scientific Steering Committee, 1999-2002

National Advisory Board for Isaac Newton Institute (representative from Scientific Steering Committee). Term completed 2002

Steering Committee *New frontiers in the mathematics of solids*, Oxford research programme funded by EPSRC, 2006-2010

Advisory Board of the Oxford EPSRC Centre for Doctoral Training in Partial Differential Equations: Analysis and Applications 2014 - Current

Berlin Mathematical School, Scientific Advisory Board, 2015–2019

Berlin Mathematics Research Center MATH+, 2019–

Scientific Prize Committee Memberships:

SIAM Fellows Selection Committee, 2021–

LMS Prizes Committee, 2020–

Fox Prize in Numerical Analysis Committee 1991, 1993, 1995 (Chairman)

Editorial Duties:

Co-Editor-in-Chief, IMA Journal of Numerical Analysis, 2020–Current

Founding Co-Editor-in-Chief, Interfaces and Free Boundary Problems (European Maths Society) 1999–Current

Member of Editorial Board, SIAM Journal on Numerical Analysis, 2016–Current

Member of Editorial Board, IMA Journal of Numerical Analysis, 1987–Current

Member of Editorial Board, Hokkaido Mathematical Journal, 2004–Current

Member of Editorial Board, European Journal of Applied Mathematics, 1990-2000

Member of Editorial Board, Communications on Pure and Applied Analysis, 2002–2012

Member of Editorial Board, Advances in Computational Mathematics, 2014-2015

Member of Editorial Board, Proceedings Royal Society, Series A, 2015-2016

Membership of Professional Societies:

Society for Industrial and Applied Mathematics (SIAM)

Institute of Mathematics and its Applications (IMA)

London Mathematical Society

Invited/Plenary Lectures at Conferences:

Over 100 invited and plenary lectures at international conferences between 1987 and 2020 including:

Free boundary problems and related problems Chinese Academy of Sciences, Beijing 16-18 July 2017; *Annual meeting of the Deutschen Mathematiker-Vereinigung (DMV)* Hamburg, 21 to 25 September 2015; 26 Biennial Numerical Analysis Conference, Strathclyde, 23-26 June 2015; *MAFELAP 2013 Mathematics of the finite element method and its applications* 11-14 June 2013, Brunel; *MSRI Free Boundary Problems, Theory and Applications* March 7, 2011 to March 11, 2011; *GAMM 2010 (81st Annual Meeting of International Association of Applied Mathematics and Mechanics)* 22-26 March 2010, Karlsruhe; ENUMATH Uppsala, 29 June -3 July 2009; *The State of the Art in Numerical Analysis IMA conference* York, 1-4 April 1996; 15th Biennial Dundee Numerical Analysis Conference 29 June-2 July 1993.

Selected Research Conference and Workshop Organisation:

Symposia:

-Isaac Newton Institute for Mathematical Sciences, Cambridge, Co-director of six-month research programme: Computational Challenges in PDEs, January–June 2003

-Director, PDEs and Applications Warwick, Symposium 2016/17

Conferences:

-Free Boundary Problems: Theory and applications (Berlin, September 2020/21, Shanghai 2017, Cambridge (Isaac Newton Institute for Mathematical Sciences) 2014, Coimbra, Portugal June 7-11 2005)

Mathematical Research Institute Oberwolfach Workshops:

Surface, Bulk, and Geometric Partial Differential Equations: Interfacial, stochastic, non-local and discrete structures, 21-26 January, 2019; *Emerging Developments in Interfaces and Free Boundaries*, 22-28 January 2017; *Geometric Partial Differential Equations: Surface and Bulk Processes*, 29 November-5 December 2015; *Interfaces and Free Boundaries: Analysis, Control and Simulation*, March 24–30 2013; *Geometric partial differential equations: Theory, numerics and applications*, November 2011; *New directions in simulation, control and analysis for interfaces and free boundaries*, 31 January-6 February 2010; *Control of free boundaries*, 11-17 February 2007

Early-career researcher supervision:

First, second and joint supervisor of over 30 PhD students at Imperial College, Sussex and Warwick.

Post-doctoral mentoring:

O. Dunbar (2017-2018 EPSRC; now Post-doc CALTECH)

A. Alphonse (2015-2016 EPSRC; now Post-doc WIAS, Berlin)

H. Fritz (2014, 2015 Feodor Lynen Fellow Humboldt Foundation; now Dozent Ostschweizer Fachhochschule)

C. Venkataraman (2011/2012 EPSRC; now Lecturer, Sussex)

B. Stinner (2006/08 DFG, 2008/2010 EPSRC; now Associate Professor, Warwick)

V. M. Styles (2000/02 Leverhulme; now Professor, Sussex)

G. Richardson (1995/96 Sussex CMAIA; now Reader, Southampton)

K. P. Deckelnick (1995/96 DFG; now C3 Professor, Magdeburg)

R. Schätzle (1994/95 European Science Foundation/Sussex CMAIA; now C4, Tübingen)

H. Garcke (1993/94 European Science Foundation/Sussex CMAIA; now C4, Regensburg)

A. R. Gardiner (1992/96 EPSRC; now Finance, Italian Bank, London)

J. F. Blowey (1990/92 EPSRC; now Reader and Deputy Head of Faculty (Natural Sciences), Durham)

HTML Links to Bibliographic and Bibliometric Databases:

• [MathSciNet](#) • [Google Scholar](#) • [Web of Science](#)

Warwick, September 23, 2021