

# Michael Richard Edward Proctor FRS

## Curriculum Vitae

**Address:** Provost's Lodge  
King's College,  
Cambridge CB2 1ST  
Tel. 01223 331253

**Marital Status:** Married to Julia; three children, two stepchildren

**Education:** (Graduate)

1973-1975 Trinity College, Cambridge  
Graduate Student (Ph.D. received July 1975)  
Thesis Supervisor: H.K.Moffatt

1972-1973 MIT, Cambridge, Massachusetts  
(Kennedy Scholar)

1971-1972 Trinity College, Cambridge  
Mathematical Tripos Part III (Distinction)

**Honours:**

1995 ScD, University of Cambridge  
2006 Fellow of the Royal Society  
2007 Fellow of the Institute of Mathematics and its Applications

**Present positions:**

Provost of King's College, Cambridge (2013-2023)  
Professor Emeritus of Astrophysical Fluid Dynamics, D.A.M.T.P., University of Cambridge  
Visiting Professor, University of Leeds (since 2009)

**Previous appointments:**

Vice-Master, Trinity College 2006-2012  
University Reader, D.A.M.T.P. 1994-2000  
Assistant Lecturer then University Lecturer, D.A.M.T.P. 1977-1994  
College Lecturer and Director of Studies, Trinity College 1977-2013  
Tutor and Dean of College, Trinity College 1979-2006  
Instructor then Assistant Professor, M.I.T., Cambridge, MA 1975-1977  
Research Fellow, Trinity College 1974-1977

**Research:**

*Main interests:*

Dynamo theory, Convection and Magnetoconvection, Solar magnetism, Absolute instability  
Nonlinear dynamics of p.d.e.'s and o.d.e.'s

*Current external collaborations:*

Prof. D.W. Hughes, Leeds – Fundamentals of dynamo theory  
Dr D.J.Galloway, Sydney – Properties of strong-field dynamos  
Dr R. Teed (Glasgow) – Nonlinear shear dynamos  
Prof I. Eltayeb (Oman) – Maxwell-Cattaneo double diffusive convection  
Prof E.Dormy (ENS, Paris) – Optimizing flows for dynamos

*Recent invited visits abroad:*

ISIMA, Santa Cruz, July 2010  
Ecole Normale superieure, Paris, May 2013  
Visiting Scholar, University of Sydney, November 2013  
Kavli Institute, Santa Barbara, March 2014  
Sultan Qaboos University, Oman, March 2019  
Hood Fellowship, Auckland University, March 2020

*Recent invited papers, etc.:*

Invited speaker, IAU Symposium, Nice, June 2010  
Guest of honour, Magnetoconvection conference, Cargèse, September 2010  
Invited speaker, CITTA, Toronto, April 2011  
Invited speaker and SOC, PAMIR MHD conference, Corsica, September 2011  
Invited Speaker, GDR-Dynamo meeting, Cargèse, September 2011  
S.O.C., PAMIR, Bastia, September 2012  
Invited Speaker, IOP plasma physics conference, Oxford, April 2012  
Invited Speaker, Workshop on double diffusive convection., Santa Cruz, August 2012  
Keynote speaker, UKMHD, Glasgow, May 2013  
Invited speaker, KITP conference on mean flows, Santa Barbara, March 2014  
Co-organiser, GDR-dynamo meeting, Cambridge, September 2014  
Guest of honour, retirement conference, Cambridge, September 2017  
Invited speaker, GDR-dynamo meeting, Paris, November 2017  
Invited speaker, University of Canterbury, March 2020

*Publications:*

Papers: Over 195 publications in academic journals.  
Book: *Magnetoconvection*, with N.O.Weiss. Cambridge University Press, 2014.

**Current activities:**

Chair of Trustees, Cambridge Trusts  
Trustee, Gladstone Memorial Trust  
Governor, The King's School Ely  
Senior Fellow, Eton College  
Editorial Board, Geophysical and Astrophysical Fluid Dynamics  
Member, EPSRC Peer Review College

**Other activities:**

Cambridge University Council, 2015-2019  
Vice-Chair and then Chair, Cambridge Colleges Committee, 2015-2019  
PhD Examiner: Newcastle, St Andrews, Leeds, Glasgow, City, Exeter, Toulouse, Paris  
Consultant and external examiner (undergraduate), Open University (2006-2012)  
Director of Graduate Education, DAMTP (2006-2012)  
Admissions Officer in Mathematics, Trinity College (1977-2012)  
Trustee, Isaac Newton Trust 2006-2012  
Member, Royal Society Sectional Committee 1, 2010-2012  
Co-organiser, Royal Astronomical Society Discussion Meeting, Feb. 2012

5 August 2021