

Curriculum Vitae: John Andrew Peacock

Date of birth 27th March 1956 at Shaftesbury, Dorset.

Nationality British.

Family

Married to Heather (1982). Children: Duncan (1986); Imogen (1989); Sophie (1991).

Address

Institute for Astronomy
University of Edinburgh
Royal Observatory
Blackford Hill
Edinburgh EH9 3HJ

Tel: (+44) 131 668 8100 (8390 direct line)
Fax: (+44) 131 668 8416
Email: jap@roe.ac.uk

Home telephone: (+44) 131 667 4127

Career

1974–1977 B.A. in Natural Sciences at Jesus College, Cambridge. First Class Honours in all parts of the Tripos; Keller prize

1977–1980 PhD in the Cavendish Laboratory, Cambridge; Thesis ‘The radio spectra and cosmological evolution of extragalactic radio sources’; Supervisors M.S. Longair & J.V. Wall

1981 Research Fellow at the Royal Observatory, Edinburgh

1983 Tenured Research Astronomer at ROE

1992 Individual Merit Grade 6 appointment and ROE Head of Research

1998 Professor of Cosmology, Department of Physics & Astronomy, University of Edinburgh

2000–2007 Postgraduate Coordinator, Institute for Astronomy, University of Edinburgh

2007–2013 Head of Institute for Astronomy, University of Edinburgh

2015–2021 ERC Advanced Grant holder

Research

Cosmology: the theory of galaxy formation and clustering; the distribution of distant quasars & active galaxies; the statistics of gravitational lensing; the stellar properties and environments of active galaxies. Founder member, Virgo Consortium for cosmology supercomputing (from 1994); UK Chairman, 2dF Galaxy Redshift Survey Team (1999-2005). 328 research articles in refereed journals; 77,000 total career citations; citation index $H = 118$. Supervised 23 PhD students.

Textbook ‘Cosmological Physics’ (Cambridge University Press, 1999).

Awards

1988 Honorary fellow of the University of Edinburgh

1990 Associate of the Canadian Institute for Advanced Research

1994 Honorary Professor of the University of Edinburgh

2002 ISI Highly-Cited Researcher (world top 250 astronomers; UK top 25)

2002 PPARC Senior Research Fellowship

2006 Fellow of the Royal Society of Edinburgh

2007 Fellow of the Royal Society

2008 RAS Group Achievement Award for 2dFGRS

2014 Thomson Reuters Highly Cited Researcher (world top 100 astronomers; UK top 12)

2014 Shaw Prize in Astronomy

2015 ERC Advanced Grant

2023 Gold Medal of the Royal Astronomical Society

Visiting Fellowships

- 1988 Canadian Institute for Theoretical Astrophysics, Toronto
- 1990 Canadian Institute for Theoretical Astrophysics, Toronto
- 1992 Observatoire de Meudon, Paris
- 1993 Institute for Advanced Study, Princeton
- 1997 California Institute of Technology
- 2001 Institute for Astronomy, Honolulu
- 2005 Institute for Astronomy, Honolulu
- 2005 Sterrewacht Leiden (Sackler Lecturer)
- 2009 California Institute of Technology (Kingsley Visitor)
- 2011 Australian Astronomical Observatory (AAO Distinguished Visitor)

Organizational experience

- 1994 Chairman of organizing Committee for National Astronomy Meeting
- 1994–1995 Hough OIM Strategic Review Panel
- 1994–1996 PPARC Astronomy Committee
- 1995–2000 UK representative, AAT Board; latterly Deputy Chairman
- 1998–2001 PPARC Education and Training Committee
- 2000–2004 PPARC Science Committee
- 2002–2012 Editor, *Annals of Physics*
- 2005–2006 Chairman, ESA/ESO Working Group on Fundamental Cosmology
- 2006–2007 Panel Chairman, Astronet report: a Science Vision for European Astronomy
- 2006–2008 External examiner in Physics, University of Cambridge
- 2007–2010 Astronomy Theme Leader, Scottish Universities Physics Alliance
- 2008–2010 International Visiting Panel, IPMU, Tokyo
- 2008–2013 International Advisory Board of the Oskar Klein Centre, Stockholm
- 2011–2014 Editorial Board, *Astronomy & Astrophysics Reviews*
- 2012–2014 Physics panel, REF2014
- 2013 Visiting Committee, Institut d’Astrophysique, Paris
- 2013–2018 Visiting Committee, Max-Planck-Institut für Astrophysik, Munich
- 2019–2020 Rapporteur reviewer of Max Planck Institute astronomy

Grants – selection: P.I. unless otherwise stated

- 1998–2001 PPARC Standard Grant (£143,425)
- 2002–2006 EU RTN grant ‘POE’ [Co-I] (£81,298)
- 2000–2002 PPARC Rolling Grant for Edinburgh astronomy [Co-I] (£779,961)
- 2002–2006 EU RTN grant ‘SISCO’ [Co-I] (£135,084)
- 2002–2006 PPARC Rolling Grant for Edinburgh astronomy [Co-I] (£870,138)
- 2002–2006 PPARC Senior Fellowship (£126,749)
- 2009–2012 STFC Consolidated Grant for Edinburgh astronomy (£3,778,098)
- 2012–2016 STFC Consolidated Grant for Edinburgh astronomy (£3,733,644)
- 2015–2018 STFC Consolidated Grant for Edinburgh astronomy [co-I] (£3,455,098)
- 2015–2021 ERC Advanced Grant ‘COSFORM’ (£1,623,539)

Teaching

Undergraduate lectures on: Relativistic astrophysics; Particle physics & cosmology; Galaxy formation; Active galaxies; Background radiation; Quantum mechanics; Astrophysical cosmology; Physics of stars & nebulae; Advanced cosmology; Vectors, tensors & fields; Fourier analysis; Radiation & matter; General relativity; Statistical physics. Postgraduate lectures on various aspects of Cosmology at many summer schools.

Interests

Classical music: listening and playing clarinet. Hillwalking and rock climbing.