

# Curriculum Vitae: John Andrew Peacock

**Date of birth** 27<sup>th</sup> March 1956 at Shaftesbury, Dorset.

**Nationality** British.

## Family

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

## Address

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## 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–** 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 Consortium (1999-2005). Over 200 research articles in refereed journals; > 50,000 total career citations; citation index  $H = 95$ . Supervised 20 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

## 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– Visiting Committee, Max-Planck-Institut für Astrophysik, Munich

## 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)
- 2015–2020 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. Postgraduate lectures on various aspects of Cosmology at many summer schools.

## Interests

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