
CURRICULUM VITAE

June 2011

NAME: James Scott Dunlop
POSITION: Professor of Extragalactic Astronomy
DEPARTMENT: Institute for Astronomy, School of Physics & Astronomy,
University of Edinburgh
ADDRESS: Institute for Astronomy, Royal Observatory,
Edinburgh EH9 3HJ, UK
Email: jsd@roe.ac.uk
AGE & DATE OF BIRTH: 49 (1st May 1962)

UNIVERSITY EDUCATION

UNDERGRADUATE EDUCATION

University: University of Dundee. (1980→1984)
Special Awards: N.C.R. Prize for Pure Mathematics (1981)
N.C.R. Prize for Applied Mathematics (1981)
N.C.R. Prize for Pure Mathematics (1982)
N.C.R. Prize for Applied Mathematics (1982)
Physics Medallion (1982)
Winifred Mackie Smith Prize in Physics (1982)
Pure Mathematics Medallion (1982)

POSTGRADUATE EDUCATION

University: University of Edinburgh. (1984→1987)
Thesis Title: 'The High-Redshift Evolution of Radio Galaxies and Quasars'.
Thesis Advisors: Prof. John A. Peacock and Prof. Malcolm S. Longair.
Special Award: The Robert Cormack Bequest Fellowship – awarded by the
Royal Society of Edinburgh (Oct 1984 → Oct 1987).

DEGREES AWARDED

B.Sc. in Physics with 1st Class Honours University of Dundee, June 1984
PhD in Astronomy University of Edinburgh, July 1988

CAREER SINCE GRADUATION

- 1988 – 1992: (Senior) Lecturer in Astrophysics, University of Central Lancashire, UK
- 1992 – 1995: Reader in Astrophysics, Liverpool John Moores University, UK
- 1995 – 2002: Reader in Astrophysics, University of Edinburgh, UK.
- 2002 – : Professor of Extragalactic Astronomy, University of Edinburgh, UK
- 2003 – 2007: Head, Institute for Astronomy, University of Edinburgh, UK
- 2007 – 2008: Tier 1 Canada Research Chair, University of British Columbia, Canada

AWARDS/FELLOWSHIPS

- 2000 – 2003: PPARC Senior Fellow
- 2002: Scottish Science Award, Royal Society of Edinburgh
- 2003: Elected Fellow of the Institute of Physics
- 2007: Elected Fellow of the Royal Society of Edinburgh
- 2007: Tier I Canada Research Chair, University of British Columbia
- 2008: Distinguished Science Professor Award, University of British Columbia
- 2009 – 2012: Wolfson Research Merit Award, The Royal Society
- 2010 – 2015: European Research Council Advanced Fellowship
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RESEARCH INTERESTS

Formation and Evolution of Galaxies; Cosmological Evolution of Active Galactic Nuclei; Quasar Host galaxies and the Black-Hole:Spheroid Connection; Sub-mm Galaxy Surveys and the Cosmic History of Star Formation; Growth of the Galaxy Mass Function; Growth of the Black-Hole Mass Function; Extreme Redshift Galaxies and Re-ionisation; The Ages of Elliptical Galaxies.

PUBLICATION SUMMARY

180 refereed journal papers which have now been cited over 10,000 times (NASA ADS database). 22 refereed papers with over 100 citations; 62 with over 50 citations.

RECENT & CURRENT GRANTS

- PI of PPARC Rolling Grant for Extragalactic Astronomy & Cosmology at Edinburgh for £1,532,627 (2006-2009)
- PI of PPARC PATT Rolling Grant for Telescope Travel/Subsistence from Edinburgh for £80,000 (2003-2007)
- PI of NSERC Discovery grant at University of British Columbia, Vancouver, Canada, for £50,000 (2008-2009)
- Co-I of STFC Rolling Grant for Extragalactic Astronomy & Cosmology at Edinburgh for £3,846,136 (2009-2014)
- PI of European Research Council Advanced Grant for £1,781,196 (2010-2015)

COMMITTEES

Member or chair of 25 external peer review or policy committees. Recent examples include:

- Vice-chair of PPARC's Long Term Review panel on Astronomy in 1999/2000, which played a key role in the successful bid to the UK government to join ESO. This produced by far the largest increase in the UK astronomy budget for over 10 years. I presented the conclusions of this review at the Westminster Launch of PPARC's new strategy.
 - PPARC Research Assessment Panel (RAP) (2000-2003)
 - International Hubble Space Telescope Users Committee (2001-2003)
 - UK ALMA Oversight Committee, member then Chair (2003-2005)
 - UKIRT international review committee (2005)
 - Chair, Gemini Telescopes International Science Committee (2005-2007)
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OTHER EVIDENCE OF RESEARCH IMPACT & LEADERSHIP

- Over 30 invited talks at international symposia.
- Over 50 invited lectures as guest lecturer at universities.
- Invited member of Scientific Organising Committee for major international conferences on galaxy evolution and quasars
- Awarded 150 orbits of Hubble Space Telescope time, and 300 hours of Spitzer Space Telescope time as PI. Awarded over 1000 orbits of Hubble Space telescope time as co-I, and over 500 nights of international ground-based telescope time.
- Creation and leadership of the SHADES consortium in sub-mm cosmology, leading directly to my leadership of the SCUBA2 Cosmology Survey to commence in late 2011.
- First non-US PI of a major (300 hr) Spitzer legacy survey, which has revolutionised the legacy value of the UKIRT Ultra Deep Survey for the study of galaxy evolution.
- Lead ESO PI of the UltraVISTA survey, which commenced on ESO's new VISTA survey telescope in 2010.
- Elected Leader of the Astronomy & Space Science theme with the Scottish Universities Physics Alliance (SUPA: www.supa.ac.uk).

POST-GRADUATE SUPERVISION

First supervisor for 10 PhD students, second supervisor for 12. All completed PhD students have progressed to a position in astronomical research.

UNDER-GRADUATE TEACHING

20 years experience as a University Lecturer, Reader and Professor. I have taught over 25 different under-graduate courses. Recent examples of courses taught include High-Energy Astrophysics, Radiation & Matter, Observational Astronomy, Astrophysical Cosmology, Galaxies Quasars and the Universe, The Origin and Evolution of the Chemical Elements, Special Relativity, Modern Optics, The Physics of Music.

ADMINISTRATIVE EXPERIENCE

- Course Leader for degree programmes in Astrophysics at Liverpool JMU (1992 - 1995)
- Course Leader Year-3 of Astrophysics degree at University of Edinburgh (1995 -1999)
- Admissions selector for University of Edinburgh Astrophysics degree (1997 - 2000)
- Director of Studies at University of Edinburgh (1996 - 2002)
- Convener of Dept. of Physics & Astronomy Publicity Committee (1999 - 2002)
- Conference Organizer for international workshop on the Next Generation Space Telescope, held at the Royal Observatory Edinburgh (Sep 2000)
- Conference Organizer for international workshop on The Invisible Universe held at the Royal Observatory Edinburgh (Sep 2002)
- Head of Institute for Astronomy at the Royal Observatory Edinburgh (2003 - 2007)

ORGANIZATION OF INTERNATIONAL CONFERENCES

- Member of Scientific Organising Committee, At the Edge of the Universe, Sintra, Portugal (October 2006)
 - Co-Chair of Scientific Organising Committee, The Origin of Galaxies, ESF, Obergurgl, Austria, (March 2007)
 - Member of Scientific Organising Committee, Panoramic Views of Galaxy Formation and Evolution, Hayama, Japan (December 2007)
 - Co-Chair of Scientific Organising Committee, The Evolution of Early Type Galaxies, Royal Astronomical Society, London (March 2008)
 - Session Organiser and Chair: 24th Texas Symposium on Relativistic Astrophysics, Vancouver, Canada (December 2008)
 - Co-Chair of Scientific Organising Committee, The Origin of Galaxies: Lessons from the Distant Universe, ESF, Obergurgl, Austria (December 2009)
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