

Short Curriculum Vitae : Roger Llewelyn Davies

Philip Wetton Professor of Astrophysics, University of Oxford

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Posts Held:

2014- Director of the Hintze Centre for Astrophysical Surveys
2011-14 & 2004-05 Head of Astrophysics, Physics Dept., University of Oxford.
2005-10 Head of Physics Department, University of Oxford.
2002- Philip Wetton Professor of Astrophysics, & Student at Christ Church
1994-02 Professor & Head of Astronomy, Department of Physics, University of Durham.
1992-94 University Lecturer in Physics and Fellow of St. Peter's College, University of Oxford.
1988-94 UK Project Scientist for the 8m Gemini Telescopes, University of Oxford.
1982-88 Staff member (with tenure from 1987), NOAO, Tucson, Arizona.
1979-82 Junior Research Fellow, Christ's College & Institute of Astronomy, University of Cambridge.
1979-80 Lindemann Fellow, Lick Observatory, University of California, Santa Cruz, USA.

Awards & Prizes (from 2000):

2020- Member of the Academia Europaea
2016 Visiting Hunstead Fellow, University of Sydney.
2013 RAS Group Achievement Award for the *SAURON* survey (co-PI).
2012 & 2015 Australian Astronomical Observatory Distinguished Visitor
2009 Fellow of University College London.
2006 Doctor Honoris Causa, University Claude Bernard, Lyon 1, France.
2006 Royal Society Wolfson Merit Award.
2001 Institute for Scientific Information "Highly Cited Researcher".
2001-2004 PPARC Senior Research Fellow.
2001 Daiwa-Adrian Foundation Prize.

Research aims & publication summary: My aim is to advance our understanding of the evolution of galaxies and cosmology using new techniques and instruments. My work has focused on the evolution of early-type galaxies. My contributions span cosmology: the distance scale and large-scale motions of galaxies; galaxy evolution: dynamics, stellar populations and galaxy clusters; and telescopes, instruments & techniques. I have published over 200 refereed papers, 62 have more than 100 citations, 13 have more than 500, and one has more than 1000 citations. My h-index is 75. The total citation count is in excess of 24,000.

Education:

1979: PhD: "The Dynamics of Elliptical Galaxies", Institute of Astronomy, and Churchill College, University of Cambridge. Supervisor - Dr. C.D. Mackay.
1975: BSc Physics (1st Class Honours), University College London.

Learned Societies:

2020- Member of the Academia Europaea
2017- President of the European Astronomical Society (Council member from 2011)
2016- Co-Chair IAU Working Group on the Global Co-ordination of Ground & Space based facilities.
2011-15 Chair IAU Working Group on Future Large-Scale Facilities.
2009-12 President IAU Commission 28: Galaxies.
2010-12 President Royal Astronomical Society (Fellow from 1979)
2008- Fellow of the Institute of Physics
1979- member of the International Astronomical Union
1979- member of the American Astronomical Society

Ph.D. Students: Peter Watson-; Past (with year of PhD): Sam Vaughan 2019, Laura Prichard 2018; Francisco d'Eugenio 2014, Richard Masters 2012, Nicholas Scott 2011, Millicent Maier 2008; Bettina Gerken 2008; Ryan Houghton 2007; Maela Collobert 2005; Richard McDermid 2002; Harald Kuntschner 1998; Claire Halliday 1998; Glenn Baggley 1996; Roberto Abraham 1991; Reynier Peletier 1988; Robert Jedrzejewski 1982.

Ph.D. Theses Examined: 33 in total; 22 as external & 11 as internal examiner; 26 in the UK, 7 overseas.

Peer Review

I referee articles for the Astrophysical Journal, the Astronomical Journal, Astronomy and Astrophysics, & Monthly Notices of the Royal Astronomical Society. I referee grant applications for STFC, the Wolfson Foundation, the Leverhulme Trust, the Royal Society, the Australian Research Council & the US National Science Foundation.

Senior Committees (outside Oxford)

2021-24 Member of the AURA Board of Directors
2021-24 Member of the Netherlands NOVA International Board
2021 Member of the Armagh Observatory and Planetarium mock Research Excellence Framework Panel.
2020 Chair Advisory Committee for the Dunlap Institute of Astronomy & Astrophysics, University of Toronto (member from 2019)
2016- Co-Chair IAU Working Group on the Global Co-ordination of Ground & Space based facilities.
2013 Selection committee for the King Faisal International Prize for Science
2012 Search Committee for the Director Australian Astronomical Observatory
2011- 18 International member of the Australian Astronomical Observatory Advisory Committee
2011-17 member of the Governing Council of the Space Telescope Science Institute, Baltimore (STIC).
2011 elector for the Cambridge Astrophysics Chair
2010-11 Gemini Observatories Directors Review Committee
2010 Hubble Space Telescope Multi-Cycle Time Allocation Committee
2008 Chair Review of Optical-IR Astronomy for the National Astronomical Observatory of Japan
2008 External member of the Review of Bristol University Physics department
2006-11 Chair ESO Extremely Large Telescope Standing Review Committee
2004-11 member of the Fachbeirat for the Max Planck Institute for Extraterrestrial Physics.

Grants (from 2004 for which RLD is PI)

2014- *Hintze Family Charitable Foundation*: Oxford Centre for Astrophysical Surveys: £3,200,000.
2014-19 *John Templeton Foundation*: The Physics of Fine Tuning £1,250,000

Rolling or Consolidated grants: total £6,373,498

2013-16 STFC Astrophysics & Planetary Science at Oxford £3,672,785
2010-13 STFC Astrophysics at Oxford £2,024,050
2004-08 PPARC Oxford Observational Cosmology £676,663

Grants to support the construction of K-band Multi-Object Spectrometer for the ESO VLT: total £1,734,431

2011-12 STFC KMOS extension £87,086
2005-11 PPARC KMOS WP9 £1,580,999
2005-05 PPARC Interim Support for KMOS £66,346

Grants to support Extremely Large Telescope science & technology development: total £609,874

2009-10 STFC Extremely Large Telescopes £53,516
2007-07 STFC ELT instrument design study £64,077
2006-08 PPARC Support for ELT Instrumentation £107,598
2004-09 PPARC Developing the UK role in ELT £384,683

Postdoctoral & research fellows supervised with their current post:

Chiara Spiniello (Hintze Fellow, Oxford 2020-2023), in post
John Stott (Hintze Fellow, Oxford 2015-6) Senior Lecturer, University of Lancaster.
Ryan Houghton (PDRA, Oxford 2007-) – researcher for the Ministry of Defence
Susan Kassin (PDRA, Oxford 2008-11) Associate Astronomer at Space Telescope Science Institute.
Davor Krajnovic (PDRA, Oxford 2004-9) Staff Scientist at AIP Potsdam, Germany.
Michele Cappellari (PPARC Advanced Fellow, Oxford, 2006-11), Professor at Oxford.
Marc Sarzi (PDRA, Oxford, 2001-04) Head of Research at Armagh Observatory, Northern Ireland.
Harald Kuntschner (PDRA, Durham, 1998-2001) Astronomer at European Southern Observatory, Munich.
Bodo Ziegler (PDRA, Durham, 1998-99) Professor at University of Vienna
Alex Vazdekis (PDRA, Durham, 1997-2000) Astronomer, Instituto di Astrofisica di Canarias, Tenerife, Spain.
David Schlegel (PDRA, Durham, 1996-1999) Senior Physicist, Lawrence Berkeley Lab, Univ of California.
Reynier Peletier (Advanced Fellow, Durham, 1995-2000), Professor, Royal University Groningen, NL.
Roelof de Jong (PDRA, 1995-98, Durham) Section Head at AIP Potsdam, Germany.
David Clements (PDRA, Oxford, 1989-92), Lecturer at Imperial College.
Elaine Sadler (Postdoctoral fellow, Kitt Peak, 1985-88), Professor, University of Sydney, Australia