

Curriculum Vitae : Stephen J. Smartt (April 2011)

Name : Stephen J. Smartt **Nationality :** British **Date of Birth :** 09/11/1968

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Employment History

Dates	Institution	Position
2005-present	Queen's University Belfast	Professor
2005-2010	Queen's University Belfast	European Young Investigator (EURYI)
2004-2005	Queen's University	Lecturer and PPARC Advanced Fellow
2001-2004	University of Cambridge	PPARC Advanced Fellow
1999-2001	University of Cambridge	Postdoctoral researcher
1996-1999	Isaac Newton Group of Telescopes, Canary Islands	Support Astronomer

Education

Dates	Institution	Degree
2005	Queen's University Belfast	Postgraduate Certificate in Higher Education Teaching
1996	Queen's University Belfast	PhD in Astrophysics
1991	Queen's University Belfast	BSc in Physics and Applied Mathematics (1 st Class)

Fellowships and awards

European Young Investigator Award (EURYI) 2005-2010 : €1.1M

Philip Leverhulme Prize 2005: £50k prize

Particle Physics and Astronomy Research Council Advanced Fellowship 2001-2005: a UK senior postdoctoral fellowship, £209k.

Research Grants

Science and Technology Facilities Council Rolling grant 2011-2014 : £1.8M. Co-I on the Queen's institutional rolling grant. 1 postdoc and 1 technical officer awarded for my group's supernova research, plus FEC, travel and equipment.

Science and Technology Facilities Council Rolling grant 2008-2011 : £2.15M. Co-I on the Queen's institutional rolling grant. 1 postdoc awarded for my group's supernova research, plus FEC, travel and equipment.

Particle Physics and Astronomy Research Council Rolling Grant 2005-2008 : £1.4M. Co-I on the Queen's institutional rolling grant. 1 postdoc awarded for my group's supernova research, plus 1 postdoc to work on ESO Large Programme "FLAMES Survey of Massive stars", of which I was PI.

Particle Physics and Astronomy Research Council Standard Grant 2004-2005: £32k for postdoctoral research assistant

Minor grants from Royal Society, EOARD : total of ~£5k

Panel and committee membership

- Royal Society Discussion Meeting 2012 : organiser, with P. O'Brien, K. Pounds, R. Wijers
- Chair of Pan-STARRS Science Council 2007-present
- Scientific Organizing Committee member for IAU Symp. 279, Nikko, Japan 2011
- STFC Fellowships selection panel 2010
- Theme Leader for UK's Next Generation Sky Surveys : the transient sky. A year of discussion on the national future of sky surveys, lead by Bob Mann (Edinburgh eSI) 2010-2011
- Co-Chair of UK National Astronomy meeting parallel sessions : 2009, 2010, 2011
- Scientific Reviewer for European Science Foundation 2007-2009
- Scientific Organizing Committee member for international conference: Probing Stellar Populations out to the distant Universe, Cefalu 2008.
- Chair of Scientific Organizing Committee : UK National Astronomy Meeting 2008
- Member of the EURO-Virtual-Observatory Science Advisory Committee 2006-7
- RAS Specialist Discussion meeting (co-organiser, with Paul Crowther) 2006
- ESO panel member for the OPC 2005-2007
- PPARC's Astronomy Advisory Panel 2004-2007
- UK Panel for Allocation of Telescope Time 2001-2004
- Hubble Space Telescope Cycle 12 Time Allocation Panel member.
- Hubble Space Telescope Cycle 11 Time Allocation Panel member.

Recent Telescope Awards

2006-2010 (either as PI or my student/postdocs as PI) : 134 hours on the VLT, 146hrs on Gemini North and South, 57hrs on the WHT and 115hrs on the Liverpool Tel.

Major leadership roles

- PI of the "FLAMES Survey of Massive stars", an ESO Large Programme on the VLT (2002-2007)
- PI of European team working on "Progenitor stars of core-collapse supernovae, with large ESO VLT time allocations (2005 – present)
- Chair of Pan-STARRS-1 Science Council, Key Project leader (2007 – present)
- PI of European consortium proposing ESO Public Spectroscopic Survey (2011)

Invited talks at conferences and workshops

- Sept. 2011 Invited speaker IAU Symposium 285 “New horizons in Time Domain Astronomy”, Oxford
- Aug. 2011 Invited talk at “Explosive ideas about massive stars”, AlbaNova, Stockholm
- Jun. 2011 Invited review “Supernovae and their Host Galaxies”, Sydney
- Dec. 2010 Invited talk at IoP workshop on “Radioactivity in Astrophysics”, York
- Aug. 2010 Invited talk at Royal Irish Academy/RAS meeting, Dublin
- May 2010 Invited talk at “GAIA Science Alerts workshop”, Cambridge
- Sept. 2010 Invited talk at Lorentz Center workshop “Type Ia SN progenitors”, Leiden
- Mar. 2010 Invited talk at “Dutch National Astronomy Conference”, Nijmegen
- July 2010 Invited review at conference “Progenitors and environments of stellar explosions”, IAP, Paris
- May 2009 Invited talk at “E-ELT stellar populations workshop”, Cambridge
- Aug. 2009 Invited talk at conference “Stellar Death and Supernovae”, KITP, Santa Barbara
- Jan. 2009 Invited talk at workshop “Intermediate and massive stars” Strasbourg
- Jun. 2008 Review at “Pagel’s Universe: Galaxies and the Elements”, RAS, London
- Feb. 2008 Review at RAS Discussion meeting, “Super-AGB stars”, London
- Sept. 2006 Review at “Late Stages of Stellar evolution” , Baja California, Mexico
- Aug 2006, Invited talk at IAU Discussion meeting “The UV Universe”
- Mar 2006 Invited talk at UK’s NAM Plenary session, University of Leicester
- Sep. 2004 Invited talk “Chemical Abundances and Mixing in Stars”, ESO conference, Arcetri
- Jun. 2004 Invited talk at “1604 -2004: Supernovae as Cosmological Lighthouses”
- Jun. 2002 Review at IAU Symposium, “A massive star odyssey”, Lanzarote
- Feb. 2002 Review at conference “Science with GranTeCan”, Granada, Spain
- Dec. 2001: Invited talk at Royal Astronomical Society (RAS) General meeting
- Oct. 2000: Review at RAS specialist discussion meeting on Early-type stars
- Sep. 1999: Review at Roma-Trieste conference “The chemical evolution of the galaxy”

Invited seminars and colloquia (since 2006)

Princeton IAS (2006), University of Exeter (2006), University of Sheffield (2007), DARK University of Copenhagen (2007), University of Bristol (2006), University College Dublin (2007), University of Cambridge (2008), University of Oxford (2008), IAP Meudon (2008), University of Durham (2008), Stockholm University(2009), Liverpool John Moores (2008), University of Hertfordshire (2008), University of Nottingham (2009), Cardiff (2010), Univ. of Central Lancashire (2010), University of Warwick (2011), Geneva Observatory (2011)

PhD students :

Current : Matt McCrum (2010-), Morgan Fraser (2008-2011)

Past : Kate Maguire (2010), Dave Young (2009), Mark Crockett (2009), Maggie Hendry (2006), Ian Hunter (2008), Justyn Maund (2005)

External examiner duties

- External Examiner for PhD thesis at University of Warwick (March 2011)
- External Examiner for PhD thesis committee at University of Padova (Mar 2010)
- External Examiner for PhD thesis at University of Sheffield (Nov. 2010)
- External Examiner for PhD thesis at University of Hertfordshire (Jan. 2009)
- External Examiner for PhD thesis at Liverpool John Moores University (Nov. 2008)
- External Examiner for PhD thesis at University College London (Dec. 2005)
- External Examiner for PhD thesis at University of Cambridge (Nov. 2004)
- External examiner on PhD thesis panel at IAC, Tenerife (May 2004).
- External Examiner for PhD thesis at University College London (Dec. 2003)
- External Examiner for PhD thesis at University College London (Feb. 2003)
- External examiner on PhD thesis panel at Université de Liège (Jan. 2002)

Public Understanding of Science

- BBC Radio interviews on astronomy at Queen's : 31st March 2011
- Coordinator for Queen's University support for Irish Astronomical Association public lectures and events. Member of IAA Council (2007 – present)
- Organiser of public lecture evening "The Great Cosmic Puzzle", speakers Prof. Carlos Frenk (Durham), Prof. Chris Stubbs (Harvard), at Queen's University Belfast, Sept. 2010
- Lecture at astronomy weekend : COSMOS 2010, Tullamore, Co. Offaly, July 2010
- Science Podcasts and journalism with sixth form students, in collaboration with Queen's School of Education (2009)
- Public lecture - Trinity Science Week, Trinity College Dublin, May 2009
- BBC Radio interview on "Exploding stars and blackholes", 30th July 2008
- Public talk – Irish Astronomical Association, Belfast, 2008
- Ulster Television – evening talk show guest on the National Astronomy week public lecture series, April 2008
- Public lecture for Astronomy Ireland, Trinity College, Dublin, September 2007
- Lecture for Secondary School World Space week , October 2007
- Sky at Night Magazine Article "Masterclass on supernovae", March 2006
- Public talk – Irish Astronomical Association, Belfast, January 2006
- School teacher's lecture "Sizing up our galaxy – stars and space travel", Queen's, June 2007
- BBC News 24 – interview on the most luminous supernovae (2006)
- School's lecture for Horizons in Physics "The dark side of the Universe", June 2006
- Public talk – East Antrim Astronomical Society, Ballyclare, 2005

Pre-2005 : approximately 20 talks at various astronomy societies, schools and widening University participation events. These include some national astronomy society meetings, such as the BA, Webb Society, the Society for Popular Astronomy and the European Astrofest in London.

Publication summary

Refereed publications (Jan.1997- April 2011) : 106

Total Citations from ADS : 3756 (H-index = 39)

Highlights : invited article in Annual Review of Astronomy and Astrophysics 2009; 6 letters in Nature,; 3 reports in Science.

Full list linked from home page : <http://star.pst.qub.ac.uk/~sjs/>