

CURRICULUM VITAE

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Date of Birth: May 9, 1975

Nationality: Canadian

EMPLOYMENT

- 2013 – present Associate Professor**
School of Physics and Astronomy, University of Nottingham
- 2008 – 2014 STFC Advanced Research Fellow and Lecturer**
School of Physics and Astronomy, University of Nottingham
(maternity leave: Apr – Oct 2010; part-time Oct 2010 – Apr 2011)
(maternity leave: Feb – Sep 2013; part-time Sep 2013 – Mar 2014)
- 2006 – 2007 Fixed-term Lecturer**
School of Physics and Astronomy, University of Nottingham
- 2004 – 2006 Anne McLaren Senior Research Fellow**
School of Physics and Astronomy, University of Nottingham
- 2001 – 2004 PPARC Postdoctoral Fellowship**
School of Physics and Astronomy, University of Nottingham (from Jan 2004)
Institute for Astronomy, University of Edinburgh

EDUCATION

- 1997–2001 PhD, Institute of Astronomy, Cambridge University**
Supervisor Prof. Richard Ellis
Thesis title “Wide-Field Optical and Infrared Observations of Weak Gravitational Lensing”
- 1993–1997 BSc, Physics and Mathematics (First Class Honours with Distinction)**
Mount Allison University, Canada
Supervisor Prof. Robert Hawkes (with Dr. Simon Morris, Dominion Astrophysical Observatory)
Thesis title “High Resolution Monitoring of Absorption Lines in the Ultraviolet Spectrum of NGC 4151 with the Hubble Space Telescope”
- May–Aug 1997 Canada-France-Hawaii Telescope, Kamuela, Hawaii, summer student
May–Aug 1996 Dominion Astrophysical Observatory, Victoria, Canada, summer student
May–Aug 1995 Dominion Astrophysical Observatory, Victoria, Canada, summer student
May–Aug 1994 Department of Mathematics, Mount Allison University, summer student
- 1990–1993 Honours Diploma, Halifax West High School, Halifax, Canada**

HONOURS AND AWARDS

- 2000–2001 Postgraduate Scholarship,
Natural Sciences and Engineering Research Council of Canada (NSERC)
- 1997–2001 Canadian Cambridge Postgraduate Scholarship (1 of 2 awarded nationally),
Canadian Cambridge Trust
- 1994–1997 Women in Engineering and Science (WES) Award, NRC Canada
- 1994 Undergraduate Research Award, NSERC
- 1993–1997 Canada Science Scholarship for BSc degree, Government of Canada
- 1993–1997 Marjorie Young Bell Scholarship, Mount Allison University

INVITED SEMINARS AND COLLOQUIA (2005–present)

- Queen’s University Belfast, Astrophysics (February 2017)
- University of Bristol, Astrophysics (November 2012)
- Leiden Observatory, Universitat Leiden (October 2012)
- Southampton University, Astronomy (January 2009)
- Cardiff University, Astronomy (October 2008)
- Imperial College, Astrophysics (March 2008)
- Astrophysical Institut Potsdam (March 2008)
- University of Portsmouth, Institute for Cosmology and Gravitation (March 2008)
- University of Cambridge, Astrophysics (February 2008)
- Swinburne University, Centre for Astrophysics and Supercomputing (May 2007)
- Sussex University, Astronomy Centre (November 2007)
- Liverpool John Moores University, Astrophysical Research Institute (October 2006)
- Jodrell Bank Observatory (March 2006)
- Durham University, Astrophysics (March 2005)

ORAL PRESENTATIONS AT CONFERENCES (2005 – present)

- “In the Footsteps of Galaxies: Tracing the Evolution of Environmental Effects”: Soverato (September 2015)
“*What We Talk About When We Talk About Environment*” - INVITED REVIEW
- Evolving Galaxies in Evolving Environments: Bologna (September 2014) - INVITED REVIEW
“*What We Talk About When We Talk About Environment*”
- STFC Summer School: University of Sussex (September 2012) - INVITED REVIEW
“*Galaxy Evolution and Environment*”
- Dark Matter in Clusters, Groups and Galaxies: University of Nottingham (September 2011) - INVITED
“*Dissecting Galaxy Clusters*”
- Weak Lensing and Photometric Redshifts: University of British Columbia (September 2007)
“*Value-added Science: A Perspective from STAGES*”
- New Zeal for Old Galaxies: Rotorua, New Zealand (March 2007)
“*STAGES: Revealing Galaxy Evolution in Dense Environments*”
- National Astronomy Meeting: Preston, UK (March 2007) - INVITED
“*STAGES: Galaxy Evolution Across a Supercluster*”
- Cosmic Frontiers: Durham (August 2006)
“*STAGES: Galaxy Evolution and Environment with HST*”
- From Dark Halos to Light: Rencontres de Moriond (March 2006)
“*STAGES: Probing Galaxy Evolution and Environment with HST*”
- Multiwavelength Surveys: Ringberg Workshop (March 2005) - INVITED
“*Dissecting the A901/902 Supercluster: Mass, Gas, and Galaxies*”

TELESCOPE TIME GAINED AS PI

2012	5h	Very Large Telescope	spectroscopy
2008	2 nights	Magellan Telescope	spectroscopy
2006	20 h	Giant Millimetre Radio Telescope	
2004	80 orbits	Hubble Space Telescope	imaging (optical)
		STAGES survey: http://www.nottingham.ac.uk/~ppzmeg/stages	
2003(B)	16 h	Very Large Telescope	imaging (optical/NIR)
2003(A)	3 nights	Anglo-Australian Telescope	spectroscopy
	90 ks	XMM-Newton Satellite	imaging/spectroscopy
2002(B)	1 night	William Herschel Telescope	imaging (optical)
2002(A)	1 night	William Herschel Telescope	imaging (optical)
	1 night	Anglo-Australian Telescope	spectroscopy

GRANT INCOME GAINED AS PI

2015	STFC	Nottingham PATT Linked Travel Grant	£10 830
2013	STFC	Nottingham PATT Linked Travel Grant	£12 146
2012	STFC	Postgraduate Long-Term Attachment Grant	£12 130
2011	STFC	Nottingham PATT Linked Travel Grant	£33 000
2009	STFC	Nottingham PATT Linked Travel Grant	£28 000
2008	STFC	Advanced Fellowship	£436 646
2005	Nottingham	New Researchers Grant	£5 000
2004	Nottingham	Anne McLaren Fellowship Research Grant	£10 000
2001	PPARC	Postdoctoral Fellowship	£85 184

PEER REVIEW

<i>Telescope Proposals</i>	<i>Journals</i>	<i>Research Grants</i>
Gemini, ING, AAT, CFHT	MNRAS, A&A	STFC, Royal Society, Leverhulme (UK) ERC (EU), NSERC (Canada), Vici (NL)

PROFESSIONAL ACTIVITIES: EXTERNAL

2017 – present	STFC Panel for the Allocation of Telescope Time
2016 – present	STFC Rutherford Fellowship Panel
2015 – present	STFC Small Awards Panel
May/Nov 2012	Period 90/91 ESO Observing Programmes Committee Panel
May 2011	Cycle 19 Hubble Space Telescope Peer Review Panel
April 2009	co-Chair (SOC and LOC), <i>Malaysia09: Galaxy Evolution and Environment Conference</i> , Kuala Lumpur
May 2007	Anglo-Australian Telescope Time Allocation Committee
2002 – 2009	Mount Allison University Observatory Advisory Board

PROFESSIONAL ACTIVITIES: INTERNAL

2016 – present	Undergraduate Admissions Team, School of Physics and Astronomy
2015 – present	Postgraduate Tutor for Female Students, School of Physics and Astronomy
2006 – present	Diversity Committee, School of Physics and Astronomy
2005 – 2015	Women in SET working group
2005, 2007, 2010	Anne McLaren Fellowship interview panel
June 2005	Co-organizer of Nottingham Extragalactic Workshop, <i>Beyond the First Stars</i>
2004 – 2006	Coordinator of astronomy group seminar series

TEACHING EXPERIENCE

Undergraduate Teaching, University of Nottingham:

- 2014 – present Year 1 module: *Frontiers in Physics*
- 2012 – present Tutorial group supervision (small group teaching + academic/pastoral care)
- 2011 – present Year 4 module: *Research Techniques in Astronomy* (Module Convenor)
- 2005 – present supervision of BSc and MSci projects

- 2013, 2014 Year 3 module: *Communication Skills*
- 2012, 2013 MPAGS postgraduate workshop: *Proposal Writing*
- 2005, 2006 Year 4 module: *Research Techniques in Astronomy*
- 2004 – 2011 Year 4 module: *Digital Image Processing*

PhD Supervision, University of Nottingham:

- 2016 – present J. Arthur (co-supervisor)
- 2011 – 2015 L. Old (co-supervisor)
- 2008 – 2012 D. Maltby (co-supervisor)
- 2007 – 2012 R. Rhodes (co-supervisor)

PhD Examinations:

- 2010 – present External examiner for 5 PhD theses
(Birmingham, Portsmouth, Edinburgh, McGill)
- 2007 – present Internal examiner for 6 PhD theses
(Nottingham)

SELECTED PUBLIC ENGAGEMENT ACTIVITIES

- **Video Projects:** regular presenter on the Sixty Symbols and Deep Sky Videos YouTube channels (short videos about physics and astronomy by filmmaker Brady Haran), with over 70 million views as of January 2017.
- **Press:** appearances on Swedish National Radio, BBC East Midlands Today, BBC Radio Nottingham, BBC Radio Scotland, CBC Radio Nova Scotia; STAGES press conference at 2008 AAS meeting (including coverage in the Guardian, National Geographic online, Maclean's magazine, Spektrum der Wissenschaft)
- **Recent public talks:** frequent talks to astronomical societies, community groups, and school visits (~5-10/year; 2003–present); National Student Space Conference (2016); Royal Observatory Greenwich (2012); NovaCon Science Fiction Convention (2011, 2015); Association of Science Educators (2010); IoP Young Women in Science event (2008); BA Festival of Science (Dublin 2005); Special General Meeting of the British Astronomical Association, (London 2004)
- **Interplay Series:** lectured on connections between astronomy, music, and the history of the Universe as part of the 2014-2015 concert series by the Swedish Symphony Radio Orchestra under conductor Daniel Harding.
- **Other:** Sutton Trust Widening Participation Workshop (Nottingham 2006, 2007, 2008, 2011); co-organizer of Lakeside Art and Science SpaceWeek 2009 (providing space-themed art and science activities to over 500 local schoolchildren); Artlink Scotland science workshop coordinator (Edinburgh 2003)