

Current appointment: Associate Professor; Director of Sydney Astrophotonic Instrumentation Laboratory, School of Physics, University of Sydney.

Education: PhD, Physics, University of Bath, UK (2006); MPhys/BSc, University of Hull, UK (2002).

Employment History and Leadership Positions

- Associate Professor (Continuing), School of Physics, University of Sydney (2019-present)
- Director, Sydney Astrophotonic Instrumentation Laboratory (SAIL), University of Sydney (2015-present)
- Deputy Director, Institute of Photonics and Optical Science (IPOS), University of Sydney (2018-present)
- Senior Lecturer (Continuing), School of Physics, University of Sydney (2015-2018)
- Chief Technical Officer (CTO) and Director, Wirriga Pty Ltd, Sydney (2014-2018) FTE 0.05
- ARC APD Research Fellow/Lecturer, School of Physics, University of Sydney (2010-2013)
- Chief Technical Officer (CTO), Kiriyama Pty Ltd, Sydney (2009-2012) FTE 0.05
- Research Associate, Optical Fibre Technology Centre, University of Sydney (2007-09)
- Research Associate, CCPM, University of Bath, UK (2006-07)

Selected prizes, awards and honours

- 2019 Australian Optical Society- 2019 AOS John Love Award
- 2017 Selby Research Award
- 2016 Peter McGregor Prize, Astronomical Society of Australia
- 2016 Senior Member Optical Society of America (OSA)
- 2015 Invited Lecturer, Summer School 2015 in Astrophotonics and Adaptive Optics, University of Durham
- 2012 Invited Lecturer, Summer School 2012 in Astronomical Instrumentation, University of Toronto
- 2011 Plenary Speaker, 11th Australian Space Science Conference (ASSC), Canberra, Australia
- 2009 ARC Australian Postdoctoral Fellowship (2009-2012)

Selected committees, international memberships and recognition

- 2019 Chair of the School of Physics Safety Committee
- 2018-19 Technical Program Committee member of European Conference on Optical Communication (OECC)
- 2019-21 Technical Program Committee member of Optical Fiber Communication (OFC)
- 2018 Technical Program Committee member of IEEE Summer Topical Meeting
- 2018 Academy of Finland - Academy Programme in Development Research Call Reviewer
- 2017 Board Member of the Network of Spanish Researchers Abroad (RAICEX)
- 2017-20 NASA Postdoctoral Program (NPP Fellowships) reviewer
- 2016 Technical Program Committee member of Australian Conference on Optical Fibre (ACOFT)
- 2016 Technical Program Committee member of Asia Pacific Optical Sensors (APOS)
- 2015 President and Founder Member, Spanish Researchers in Australia-Pacific (SRAP) (2015-present)
- 2009 Panel of Experts of the Spanish National Evaluation and Foresight Agency (ANEP) (2009-present)
- 2004 Member Optical Society of America (OSA) (2004-present)

Career International Publication Track Record (Google Scholar)

192 publications; **74** refereed articles with **6250** cites; **1** book chapter; **19** invited talks. h-index **40**, m-index **2.6**.

Teaching and Lecturing

- Senior Experimental Physics Coordinator (2017-present)
- Physics Fundamentals Waves and Oscillations, PHYS1002, University of Sydney (2016-present)
- Physics Bridging Course, University of Sydney (2009-2011, 2013-2015)
- Master of Photonics, Optical Materials and Methods, PHYS5022, University of Sydney (2010-2013)
- Optics for Engineers, PHYS2213: Physics 2EE, University of Sydney (2013-present)
- Lecturer, Summer School 2012 in Astronomical Instrumentation, University of Toronto (2012)
- Lecturer, Summer School 2015 in Astrophotonics and Adaptive Optics, University of Durham (2015)

Supervision and Mentoring of University of Sydney Students (Only graduated students)

- 5 PhD Students (2 Co-Supervisor, 3 Associate Supervisor)
- 6 Honours Students (3 Supervisor, 3 Associate Supervisor)
- 2 Masters Students (1 Supervisor, 1 Associate Supervisor)

Grant Track Record (Since 2009, Total of \$10.63M funding awarded)

- \$7.48M Australian Research Council (ARC) [ITTC17; DP18,DP10; LIEF2012,2014,2015,2016,2019]
- \$0.88M University of Sydney grants [DVC-R 2013; Faculty of Science 2012, 2013, 2016, 2018, SREI 2017]
- \$2.27M Industry/Private funding grants [Melbourne Water 2017, Horticulture Australia 2015, NSF/University of Maryland 2016-17, Grain Research and Development Corporation (GRDC), 2018]