

# Timothy R. White

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<https://hvidy.github.io/>

## Positions

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<b>University of Sydney Fellow</b>	2019–Present
School of Physics, The University of Sydney, Australia	
<b>Research Fellow</b>	2018–2019
Research School of Astronomy & Astrophysics, The Australian National University	
<b>Postdoctoral Fellow</b>	2015–2018
Stellar Astrophysics Centre, Aarhus University, Denmark	
<b>Postdoctoral Researcher</b>	2013–2015
Institut für Astrophysik, Georg-August-Universität Göttingen, Germany	
<b>Research Assistant</b>	August 2013
Stellar Astrophysics Centre, Aarhus University, Denmark	
<b>Postgraduate Teaching Fellow</b>	2010–2012
School of Physics, The University of Sydney, Australia	

## Education

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<b>Doctor of Philosophy</b>	2010–2013
The University of Sydney	<i>Conferred:</i> 30 May 2014
<i>Thesis:</i> Asteroseismology of Sun-like stars with Kepler	
<i>Supervisors:</i> Timothy R. Bedding, Dennis Stello, Simon J. O’Toole	
<b>Bachelor of Science (Advanced) (Honours)</b>	2006–2009
<b>First Class Honours with University Medal</b>	<i>Conferred:</i> 28 May 2010
The University of Sydney	
<i>Thesis:</i> Frequency analysis of the rapidly oscillating Ap star HR 1217	
<i>Supervisors:</i> Timothy R. Bedding, Dennis Stello, Brendon J. Brewer	

## Grants, honours & awards

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<b>Member of the Sydney Society of Fellows</b>	2019
<b>NASA TESS Guest Investigator Program</b> – US\$120,000	2018–2019
<i>Halo Photometry of Naked-Eye Stars with TESS</i>	
D. Huber (PI - Cycle 1), B. J. S. Pope (PI - Cycle 2), T. R. White, T. R. Bedding, E. K. Baines	
<b>NASA TESS Guest Investigator Program</b> – US\$50,000	2018
<i>Revisiting the Past: B Star Asteroseismology with TESS</i>	
D. Buzasi (PI), C. Aerts, G. Handler, T. R. White, M. Pedersen	
<b>NASA K2 Guest Observer Program</b> – US\$70,000	2016
<i>Asteroseismology of the Brightest K2 Stars</i>	
D. Huber (US PI), T. R. White (Co-PI), C. Aerts, T. R. Bedding, T. Boyajian, O. Creevey, B. J. S. Pope, V. Silva Aguirre	
<b>NASA K2 Guest Observer Program</b> – US\$75,000	2016
<i>Asteroseismology of solar-type stars with K2</i>	
M. N. Lund (PI), S. Basu, L. Casagrande, W. J. Chaplin, G. R. Davies, D. W. Latham, V. Silva Aguirre, T. R. White	

<b>Australia–Germany Joint Research Cooperation Scheme</b> – €15,320 & A\$17,000	2015–16
<i>Asteroseismology of Bright Clusters with K2</i>	
T. R. White, L. Gizon, T. R. Bedding	
<b>NASA K2 Guest Observer Program</b> – US\$50,000	2014–15
<i>Testing asteroseismology with bright red giants using K2 timeseries and interferometry</i>	
T. Boyajian (US PI), T. R. White (Co-PI), V. Silva Aguirre, D. Huber, O. Creevey	
<b>Instrument Center for Danish Astrophysics Grant</b> – 38,000 DKK	2013
<i>Unleashing the asteroseismic potential of Kepler: analysis of the binary system HD 176465</i>	
V. Silva Aguirre, T. R. White	
<b>Australian Postgraduate Award</b> – A\$81,000	2010–13
<b>University of Sydney Merit Award</b> – A\$17,500	2010–13
<b>School of Physics Denison Merit Award</b> – A\$15,750	2010–13
<b>Australian Astronomical Observatory PhD Scholarship</b> – A\$15,000	2010–12
<b>University Medal in Physics</b>	2009
<b>Henry Chamberlain Russell Prize in Astronomy</b> (for best astronomy honours thesis)	2009
<b>Deas-Thomson Scholarship in Physics</b> (for equal first in senior physics)	2008
<b>School of Physics – Julius Sumner Miller Scholarships for Academic Excellence No. III</b> (shared)	2008
<b>Walter Burfitt Scholarship No. II for Physics</b> (shared)	2008
<b>Dean’s List of Excellence in Academic Performance</b>	2008
<b>Science Foundation for Physics Scholarship No. II</b>	2007
<b>Dean’s List of Excellence in Academic Performance</b>	2006

## Leadership & collaborations

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Member of the PLATO Mission Consortium	2017–Present
Sub-chair of the TASC Coordinated Activity <i>TESS Data for Asteroseismology</i> , with responsibility for photometry of bright stars	2017–Present
Member of the JWST NIRISS Aperture Masking Interferometry Collaboration	2017–Present
Member of the TESS Asteroseismic Science Consortium (TASC)	2016–Present
Leader of the K2 Interferometric Follow-Up Collaboration	2014–Present
Member of the CHARA Array Collaboration	2010–Present
Member of the Kepler Asteroseismic Science Consortium (KASC)	2010–Present

## Publications & talks

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### REFEREED JOURNAL ARTICLES

82 publications in refereed journals (9 as first author), with over 5400 citations, and a h-index of 39.  
(Source: SAO/NASA Astrophysics Data System – <https://bit.ly/379Rndv>)

- Murphy S. J., Bedding T. R., **White T. R.**, Li Y., Hey D., Reese D., Joyce M., 2022, “Five young  $\delta$  Scuti stars in the Pleiades seen with Kepler/K2”, *MNRAS*, 511, 5718
- Huber D., **White T. R.**, et al. 2022, “A 20-Second Cadence View of Solar-Type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Re-characterization of  $\pi$  Men c”, *AJ*, 163, 79
- Karovicova I., **White T. R.**, Nordlander T., Casagrande L., Ireland M., Huber D., 2022, “Fundamental stellar parameters of benchmark stars from CHARA interferometry. III. Giant and subgiant stars”, *A&A*, 658, A48
- Karovicova I., **White T. R.**, Nordlander T., Casagrande L., Ireland M., Huber D., 2022, “Fundamental stellar parameters of benchmark stars from CHARA interferometry. II. Dwarf stars”, *A&A*, 658, A47
- Aguirre Børsen-Koch V., et al. 2022, “The BAYesian STellar Algorithm (BASTA): a fitting tool for stellar studies, asteroseismology, exoplanets, and Galactic archaeology”, *MNRAS*, 509, 4344

- 6 Hill M., et al., 2021, “Asteroseismology of  $\iota$  Draconis and Discovery of an Additional Long-Period Companion”, *AJ*, 162, 211
- 7 Handberg R., Lund M. N., **White T. R.**, et al. 2021, “TESS Data for Asteroseismology: Photometry”, *AJ*, 162, 170
- 8 Johnston C., et al. 2021, “Characterization of the variability in the O+B eclipsing binary HD 165246”, *MNRAS*, 503, 1124
- 9 Murphy S. J., Joyce M., Bedding T. R., **White T. R.**, Kama M., 2021, “A precise asteroseismic age and metallicity for HD 139614: a pre-main-sequence star with a protoplanetary disc in Upper Centaurus-Lupus”, *MNRAS*, 502, 1633
- 10 Brogaard K., et al., 2021, “Properties of the Hyades, the eclipsing binary HD 27130, and the oscillating red giant  $\epsilon$  Tauri”, *A&A*, 645, A25
- 11 Karovicova I., **White T. R.**, Nordlander T., Casagrande L., Ireland M., Huber D., Jofré P., 2020, “Fundamental stellar parameters of benchmark stars from CHARA interferometry. I. Metal-poor stars”, *A&A*, 640, A25
- 12 Salsi A., et al., 2020, “Precise calibration of the dependence of surface brightness-colour relations on colour and class for late-type stars”, *A&A*, 640, A2
- 13 Li Y., Bedding T. R., Li T., Bi S., Stello D., Zhou Y, **White T. R.**, 2020, “Asteroseismology of 36 Kepler subgiants - I. Oscillation frequencies, linewidths, and amplitudes”, *MNRAS*, 495, 2363
- 14 Bedding T. R., et al. 2020, “Very regular high-frequency pulsation modes in young intermediate-mass stars”, *Nature*, 581, 147
- 15 Rains A. D., Ireland M. J., **White T. R.**, Casagrande L., Karovicova I., 2020 “Precision angular diameters for 16 southern stars with VLTI/PIONIER”, *MNRAS*, 493, 2377
- 16 Chaplin W. J., et al., 2020, “Age dating of an early Milky Way merger via asteroseismology of the naked-eye star  $\nu$  Indi”, *Nature Astronomy*, 4, 382
- 17 Pope B. J. S., **White T. R.**, et al. 2019, “The K2 Bright Star Survey. I. Methodology and Data Release”, *ApJS*, 245, 8
- 18 Stokholm A., Nissen P. E., Silva Aguirre V., **White T. R.**, Lund M. N., Mosumgaard J. R., Huber D., Jessen-Hansen J., 2019, “The subgiant HR 7322 as an asteroseismic benchmark star”, *MNRAS*, 489, 928
- 19 Pope B. J. S., Davies G. R., Hawkins K., **White T. R.**, et al., 2019, “The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars”, *ApJS*, 244, 18
- 20 Huber D., et al. 2019, “A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by *TESS*”, *AJ*, 157, 245
- 21 Bowman D. M., et al. 2019, “Low-frequency gravity waves in blue supergiants revealed by high-precision space photometry”, *Nature Astronomy*, 3, 760
- 22 Wood C. M., Boyajian T. S., von Braun K., Brewer J. M., Crepp J. R., Schaefer G., Adams A., **White T. R.**, 2019, “Benchmarking Substellar Evolutionary Models Using New Age Estimates for HD 4747 B and HD 19467 B”, *ApJ*, 873, 83
- 23 Arentoft T., Grundahl F., **White T. R.**, et al. 2019, “Asteroseismology of the Hyades red giant and planet host  $\epsilon$  Tauri”, *A&A*, 622, A190
- 24 Bazot M., et al., 2018, “Butterfly diagram of a Sun-like star observed using asteroseismology”, *A&A*, 619, L9
- 25 Compton D. L., Bedding T. R., Ball W. H., Stello D., Huber D., **White T. R.**, Kjeldsen H., 2018, “Surface correction of main sequence solar-like oscillators with the *Kepler* LEGACY sample”, *MNRAS*, 479, 4416
- 26 Farr W. M., et al., 2018, “Aldebaran b’s temperate past uncovered in planet search data”, *ApJL*, in press, arXiv:1802.09812
- 27 **White T. R.**, et al., 2018, “Interferometric diameters of five evolved intermediate-mass planet-hosting stars measured with PAVO at the CHARA Array”, *MNRAS*, 477, 4403
- 28 Aerts C., et al., 2018, “K2 photometry and HERMES spectroscopy of the blue supergiant  $\rho$  Leo: rotational wind modulation and low-frequency waves”, *MNRAS*, 476, 1234

- 29 Karovicova I., **White T. R.**, et al., 2018, “Accurate effective temperatures of the metal-poor benchmark stars HD 140283, HD 122563, and HD 103095 from CHARA interferometry”, *MNRAS*, 475, L81
- 30 Gardner T., et al., 2018, “Precision Orbit of  $\delta$  Delphini and Prospects for Astrometric Detection of Exoplanets”, *ApJ*, 855, 1
- 31 **White T. R.**, et al., 2017, “Beyond the *Kepler*/K2 bright limit: variability in the seven brightest members of the Pleiades”, *MNRAS*, 471, 2882
- 32 Colman I. L., et al., 2017, “Evidence for compact binary systems around *Kepler* red giants”, *MNRAS*, 469, 3802
- 33 **White T. R.**, et al., 2017, “*Kepler* observations of the asteroseismic binary HD 176465”, *A&A*, 601, A82
- 34 Pedersen M. G., Antoci V., Korhonen H., **White T. R.**, Jessen-Hansen J., Lehtinen J., Nikbakhsh S., Viuhio J., 2017, “Do A-type stars flare?”, *MNRAS*, 466, 3060
- 35 Grundahl F., et al., 2017, “First results from the Hertzprung SONG Telescope: Asteroseismology of the G5 subgiant star  $\mu$  Herculis”, *ApJ*, 836, 142
- 36 Silva Aguirre V., et al., 2017, “Standing on the Shoulders of Dwarfs: the *Kepler* Asteroseismic LEGACY Sample. II. Radii, Masses and Ages”, *ApJ*, 835, 173
- 37 Lund M. N., et al., 2017, “Standing on the Shoulders of Dwarfs: the *Kepler* Asteroseismic LEGACY Sample. I. Oscillation Mode Parameters”, *ApJ*, 835, 172
- 38 Hjørringgaard J. G., Silva Aguirre V., **White T. R.**, Huber D., Pope B. J. S., Casagrande L., Justesen A. B., Christensen-Dalsgaard J., 2017, “Testing stellar evolution models with the retired A star HD 185351”, *MNRAS*, 464, 3713
- 39 Lund M. N., et al., 2016, “Asteroseismic Properties of Solar-type Stars Observed with the NASA K2 Mission: Results from Campaigns 1-3 and Prospects for Future Observations”, *PASP*, 128, 124204
- 40 Guzik J. A., et al., 2016, “Detection of Solar-like Oscillations, Observational Constraints and Stellar Models for  $\theta$  Cyg, the Brightest Star Observed by the *Kepler* Mission”, *ApJ*, 831, 17
- 41 Lundkvist M. S., et al., 2016, “Hot super-Earths stripped by their host stars”, *Nature Communications*, 7, 11201
- 42 Campante T. L., et al., 2016, “Spin-Orbit Alignment of Exoplanet Systems: Ensemble Analysis Using Asteroseismology”, *ApJ*, 819, 85
- 43 Davies G. R., et al., 2016, “Oscillation frequencies for 35 *Kepler* solar-type planet-hosting stars using Bayesian techniques and machine learning”, *MNRAS*, 456, 2183
- 44 Pope B. J. S., **White T. R.**, et al., 2016, “Photometry of very bright stars with *Kepler* and K2 smear data”, *MNRAS*, 455, L36
- 45 Chaplin W. J., et al., 2015, “Asteroseismology of Solar-Type Stars with K2: Detection of Oscillations in C1 Data”, *PASP*, 127, 1083
- 46 Quinn S. N., **White T. R.**, et al., 2015, “Kepler-432: A Red Giant Interacting with One of its Two Long-period Giant Planets”, *ApJ*, 803, 49
- 47 Boyajian T., et al., 2015, “Stellar diameters and temperatures - VI. High angular resolution measurements of the transiting exoplanet host stars HD 189733 and HD 209458 and implications for models of cool dwarfs”, *MNRAS*, 447, 846
- 48 Campante T. L., et al., 2015, “An ancient extrasolar system with five sub-Earth-size planets”, *ApJ*, 799, 170
- 49 Mosser B., et al., 2014, “Mixed modes in red giants: a window on stellar evolution”, *A&A*, 572, L5
- 50 Metcalfe T. S., et al., 2014, “Properties of 42 Solar-type *Kepler* Targets from the Asteroseismic Modeling Portal”, *ApJS*, 214, 27
- 51 Johnson J. A., Huber D., Boyajian T., Brewer J. M., **White T. R.**, von Braun K., Maestro V., Stello D., Barclay T., 2014, “The Physical Parameters of the Retired A Star HD 185351”, *ApJ*, 794, 15
- 52 Marcy G. W., et al., 2014, “Masses, Radii, and Orbits of Small *Kepler* Planets: The Transition from Gaseous to Rocky Planets”, *ApJS*, 210, 20
- 53 Arentoft T., Tingley B., Christensen-Dalsgaard J., Kjeldsen H., **White T. R.**, Grundahl F., 2014, “Benefits of multiple sites for asteroseismic detections”, *MNRAS*, 437, 1318

- 54 Maestro V., et al., 2013, “Optical interferometry of early-type stars with PAVO@CHARA - I. Fundamental stellar properties”, *MNRAS*, 434, 1321
- 55 **White T. R.**, et al., 2013, “Interferometric radii of bright *Kepler* stars with the CHARA Array:  $\theta$  Cygni and 16 Cyg A and B”, *MNRAS*, 433, 1262
- 56 Silva Aguirre V., et al., 2013, “Stellar Ages and Convective Cores in Field Main-sequence Stars: First Asteroseismic Application to Two *Kepler* Targets”, *ApJ*, 769, 141
- 57 Benomar O., et al., “Properties of oscillation modes in subgiant stars observed by *Kepler*”, *ApJ*, 767, 169
- 58 Stello D., et al., “Asteroseismic Classification of Stellar Populations among 13,000 Red Giants Observed by *Kepler*”, *ApJ*, 765, L41
- 59 Huber D., et al., “Fundamental Properties of Stars Using Asteroseismology from *Kepler* and *CoRoT* and Interferometry from the CHARA Array”, *ApJ*, 760, 32
- 60 Corsaro E., et al., “Asteroseismology of the Open Clusters NGC 6791, NGC 6811, and NGC 6819 from 19 months of *Kepler* Photometry”, *ApJ*, 757, 190
- 61 Appourchaux T., et al., “Oscillation mode frequencies of 61 main-sequence and subgiant stars observed by *Kepler*”, *A&A*, 543, A54
- 62 Huber D., et al., “Validation of the exoplanet Kepler-21b using PAVO/CHARA long-baseline interferometry”, *MNRAS*, 423, L16
- 63 **White T. R.**, et al., 2012, “Solving the Mode Identification Problem in Asteroseismology of F Stars Observed with *Kepler*”, *ApJ*, 751, L36
- 64 Mathur S., et al., 2012, “A Uniform Asteroseismic Analysis of 22 Solar-type Stars Observed by *Kepler*”, *ApJ*, 749, 152
- 65 Howell S. B., et al., 2012, “Kepler-21b: A 1.6  $R_{\text{Earth}}$  Planet Transiting the Bright Oscillating F Subgiant Star HD 179070”, *ApJ*, 746, 123
- 66 Benomar O., Bedding T. R., Stello D., Deheuvels S., **White T. R.**, Christensen-Dalsgaard, J., 2012, “Masses of Subgiant Stars from Asteroseismology Using the Coupling Strengths of Mixed Modes”, *ApJ*, 745, L33
- 67 Appourchaux T., et al., 2012, “Oscillation mode linewidths of main-sequence and subgiant stars observed by *Kepler*”, *A&A*, 537, A134
- 68 Creevey O. L., et al., 2012, “Fundamental properties of five *Kepler* stars using global asteroseismic quantities and ground-based observations”, *A&A*, 537, A111
- 69 **White T. R.**, Bedding T. R., Stello D., Christensen-Dalsgaard, J., Huber D., Kjeldsen H., 2011, “Calculating Asteroseismic Diagrams for Solar-like Oscillations”, *ApJ*, 743, 161
- 70 **White T. R.**, et al., 2011, “Asteroseismic Diagrams from a Survey of Solar-like Oscillations with *Kepler*”, *ApJ*, 742, L3
- 71 Silva Aguirre V., et al., 2011, “Constructing a One-solar-mass Evolutionary Sequence Using Asteroseismic Data from *Kepler*”, *ApJ*, 740, L2
- 72 Campante T. L., et al., 2011, “Asteroseismology from multi-month *Kepler* photometry: the evolved Sun-like stars KIC 10273246 and KIC 10920273”, *A&A*, 534, A6
- 73 Verner G. A., et al., 2011, “Global asteroseismic properties of solar-like oscillations observed by *Kepler*: a comparison of complementary analysis methods”, *MNRAS*, 415, 3539
- 74 **White T. R.**, Bedding T. R., Stello D., Kurtz D. W., Cunha M. S., Gough D. O., 2011, “Variability in mode amplitudes in the rapidly oscillating Ap star HR 1217”, *MNRAS*, 415, 1638
- 75 Balona L. A., et al., 2011, “Rotation and oblique pulsation in *Kepler* observations of the roAp star KIC 10483436”, *MNRAS*, 413, 2651
- 76 Mathur S., et al., 2011, “Solar-like Oscillations in KIC 11395018 and KIC 11234888 from 8 Months of *Kepler* Data”, *ApJ*, 733, 95
- 77 Chaplin W. J., et al., 2011, “Ensemble Asteroseismology of Solar-Type Stars with the NASA *Kepler* Mission”, *Science*, 332, 205
- 78 Beck P. G., et al., 2011, “*Kepler* Detected Gravity-Mode Period Spacings in a Red Giant Star”, *Science*,

332, 205

- 79 Bedding T. R., et al., 2011, “Gravity modes as a way to distinguish between hydrogen- and helium-burning red giant stars”, *Nature*, 471, 608
- 80 Huber D., et al., 2010, “Asteroseismology of Red Giants from the First Four Months of *Kepler* Data: Global Oscillation Parameters for 800 Stars”, *ApJ*, 723, 1607
- 81 Metcalfe T. S., et al., 2010, “A Precise Asteroseismic Age and Radius for the Evolved Sun-like Star KIC 11026764”, *ApJ*, 723, 1583
- 82 **White T. R.**, Brewer B. J., Bedding T. R., Stello D., Kjeldsen H., 2010, “A comparison of Bayesian and Fourier methods for frequency determination in asteroseismology”, *Communications in Asteroseismology*, 161, 39

#### INVITED TALKS AND SEMINARS

Invited talk, The Star-Planet Connection, ESO Virtual Workshop	25 Oct 2021
Colloquium, Institute for Astronomy, University of Hawai‘i at Mānoa, HI, USA	24 Oct 2019
Seminar, Research School of Earth Sciences, The Australian National University, Canberra, Australia	16 Aug 2019
Invited talk, TESS data workshop, Baltimore, MD, USA	12 Feb 2019
Invited talk, First workshop on Science with SONG, Tenerife, Spain	26 Oct 2018
Invited review, TASC <sub>4</sub> /KASC <sub>11</sub> workshop, Aarhus, Denmark	11 July 2018
Invited talk, Asteroseismology and Optical Interferometry, Nice, France	4 Oct 2017
Seminar, Sydney Institute for Astronomy, University of Sydney, Australia	9 Dec 2016
Invited review, Industrial Revolution in Galactic Astronomy Workshop, Sexten, Italy	22 July 2016
Seminar, Stellar Astrophysics Centre, Aarhus University, Denmark	15 Oct 2015
Seminar, Sydney Institute for Astronomy, University of Sydney, Australia	28 Aug 2015
Seminar, Max Planck Institute for Solar System Research, Göttingen, Germany	29 Apr 2014
Seminar, NASA Ames Research Center, Moffett Field, CA, USA	14 Apr 2014
Seminar, Stellar Astrophysics Centre, Aarhus University, Denmark	3 Sept 2013
Seminar, Sydney Institute for Astronomy, University of Sydney, Australia	26 July 2013
Seminar, Jeremiah Horrocks Institute, University of Central Lancashire, Preston, UK	6 June 2012
Seminar, Stellar Astrophysics Centre, Aarhus University, Denmark	15 May 2012

## Teaching

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### COURSEWORK

Tutor (OLET1636 - Astronomy: from Earth to exoplanets), The University of Sydney	2021
Lecturer and tutor (OLET1638 - Astronomy: from stars to black holes), The University of Sydney	2020-21
Online course content creator (OLET1638 - Astronomy: from stars to black holes), The University of Sydney	2019
Tutor (Master's level, <i>Pulsating Stars</i> ), Aarhus University	2016
Lecturer (Master's level, <i>Star Formation</i> ), Georg-August-Universität Göttingen	2014
Guest lecturer (PHYS2013 - Astrophysics and Relativity), The University of Sydney	2012
Manager and creator of online course content, and tutor: EDUH1017 (Sports Mechanics), MRTY1031 (Medical Radiation Physics), and MRTY1036 (Health Physics and Radiation Biology), The University of Sydney	2010-12
Workshop and laboratory tutor and supervisor, first year physics and astronomy courses, School of Physics, The University of Sydney	2009-13

### RESEARCH STUDENTS SUPERVISED

Cooper Doyle, The University of Sydney <i>Master's of Data Science Thesis: Automatic Detection of Exoplanetary Transits in Hot Stars</i>	2020
Louis Desdoigts, The University of Sydney <i>Physics Honour's Thesis: Diffractive Photometry &amp; Differentiable Optics</i>	2020
Amalie Stokholm, Aarhus University <i>Physics Bachelor's Thesis: Interferometric and Asteroseismic Analysis of the Subgiant HD 181096</i>	2015-16

*In addition to supervising the above students for projects that produced theses, I have also supervised the research projects of many undergraduate students. At the University of Sydney, these students have done projects either individually, as part of the Physics Special Studies Program (SSP), or as a group through the unit SCDL1991: Science Dalryell Showcase. The Dalryell Scholars stream is open to high-achieving students from all faculties. Over the last 3 years I have supervised 9 SSP students, and 24 Dalryell students in 4 groups.*

## Services

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Member of SOC, Sixth TASC/Thirteenth KASC Workshop, Leuven, Belgium	2022
Member of LOC, Prof. Walter Stibbs Lecture: "A Cosmic Perspective: Searching for Aliens, Finding Ourselves" by Jill Tarter	2021
Member of the CHARA Array Observing Time Assignment Committee	2018
Co-founder and organiser of "Astronomy on Tap Aarhus" monthly public talks	2017-2018
Organiser of Stellar Astrophysics Centre weekly seminars, Aarhus University	2015-2018
AstroMundus Master's Programme Selection Committee	2014-2015
Member of LOC, Sixth KASC Workshop, Sydney, Australia	2013
Journal referee for <i>ApJ Letters</i> , <i>ApJ</i> , and <i>A&amp;A</i>	2013-Present
Organiser of Sydney Institute for Astronomy weekly seminars, University of Sydney	2010-11