

Matthew A. Kenworthy

Curriculum Vitae - January 11, 2026

Leiden Observatory
Niels Bohrweg 2
2300 RA Leiden
The Netherlands

Telephone: +31 (0) 71 527 8455

kenworthy@strw.leidenuniv.nl
<https://kenworthy.space/>

Education

1995-1999 **PhD** [Institute of Astronomy, University of Cambridge](#), Astronomy
1992-1995 **BA (Hons)** [University of Oxford](#), Physics

Employment

2015- **Associate Professor**, Leiden Observatory, The Netherlands.
2010-2015 **Assistant Professor**, Leiden Observatory, The Netherlands.
2007-2009 **Assistant Astronomer**, Steward Observatory, USA.
2003-2007 **Instrument Scientist for the MMT AO System**, Steward Observatory, USA.
2001-2003 **Postdoctoral Research Associate**, University of Cincinnati, USA.
1999-2001 **Postdoctoral Research Associate**, Steward Observatory, USA.

Main Research Interests

- **Ground-based extrasolar planet imaging:** Using the largest telescopes in the world to directly detect and characterise extrasolar planets. Developing and implementing image processing algorithms to understand the nature of quasi-static aberrations in the telescope and subsequently minimise them.
- **Hill sphere ring systems** Planets in very young stellar systems accrete material from the circumstellar disk through a Hill-sphere filling circumplanetary disk, and onto their cores. There is a transition period where the the circumplanetary disk becomes optically thin as gas and dust are accreted into rings and moons, during which time we can detect these giant ring-like structures through their transit signals as seen on Earth. This provides a unique insight into the early history of planet and moon formation and evolution. J1407 and PDS 110 are two prototype transiting Hill sphere systems that we study, and we are searching for more in archival data.
- **Novel instrumentation techniques:** Developing visible and near-infrared instrumentation that complements traditional imaging and long slit spectroscopy, ranging from integral field spectrographs using optical fibers and hexagonal lenslet arrays, through to coronagraphic and phase apodizing techniques for high contrast imaging of extrasolar planet systems.

Teaching

I have taught **28 courses** at Leiden from 2010 and I have led the coordination of the Space Missions Minor course which connects Leiden, TU Delft and Rotterdam Erasmus Universities with a Bachelor Minor course. I have taught several workshops and PhD/Summer schools on topics such as “Adaptive Optics”, “High Contrast Imaging”, “Preparing a professional web page” and “How to produce professional plots and figures for academic papers”.

Year	Lecture course	Level	Institute	ECs
2025	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2025	High Contrast Imaging	Masters	Leiden	3
2024	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2024	Space Mission - Scientific Case Study	Bachelor	Leiden/TU Delft	4
2024	Fundamentals of Astronomy (coordinator)	Bachelor	Leiden/TU Delft	5
2024	High Contrast Imaging	Masters	Leiden	3
2023	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2023	Fundamentals of Astronomy (coordinator)	Bachelor	Leiden/TU Delft	4
2022	High Contrast Imaging	Masters	Leiden	3
2022	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2022	Fundamentals of Astronomy (coordinator)	Bachelor	Leiden/TU Delft	4
2021	High Contrast Imaging	Masters	Leiden	3
2021	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2020	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2019	High Contrast Imaging	Masters	Leiden	3
2019	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2019	Detection of Light *	Masters	Leiden	6
2018	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2018	Detection of Light *	Masters	Leiden	6
2017	High Contrast Imaging	Masters	Leiden	3
2017	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2016	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2015	High Contrast Imaging	Masters	Leiden	3
2015	Astronomical Telescopes and Instruments/OA	Masters	Leiden	6
2014	Astronomical Telescopes and Instruments *	Masters	Leiden	6
2014	Detection of Light	Masters	Leiden	6
2013	Exoplanets	NOVA PhD School	-	-
2013	Modern Research	Bachelor	Leiden	3
2012	Detection of Light	Masters	Leiden	6
2012	ACAO Summer School	Summer School	South Africa	-
2012	Modern Research	Bachelor	Leiden	3
2011	Detection of Light	Masters	Leiden	6
2011	Modern Research	Bachelor	Leiden	3

Research Grants and Awards since 2010

2023-2027	NWO M2 - P.I. Matthew Kenworthy 574kEuro for 'Understanding formation pathways of wide separation exoplanets'
2019-2023	NWO/PEPSci - P.I. Matthew Kenworthy 240kEuro for 'Modelling, detection and characterization of THEMs'
2016	NWO/NRF - P.I. Matthew Kenworthy 12kEuro for 'Put a ring on it: looking for rings around the exoplanet Beta Pic b'
2015-2019	NWO/FAPESP Collaboration - P.I. Matthew Kenworthy 240kEuro for 4 year graduate student support
2013-2018	NOVA Postdoc for SPHERE ZIMPOL - (as Co-I) P.I. Christoph Keller Funds for 5 year postdoctoral support
2014	NWO/NRF - P.I. Matthew Kenworthy 12kEuro for 'Development of an Economical Adaptive Optics System'
2013	HST Support - supervisor to the P.I. Tiffany Meshkat Funds for multi-cycle observations
2011-2015	ESFRI Graduate student - P.I. Matthew Kenworthy 250kEuro Full graduate student support
2011-2015	Marie Curie IRG - P.I. Matthew Kenworthy 100kEuro over four years

Supervision of PhD students and post graduates

PhD students where I was the primary supervisor are in **bold**.

1. **Tiffany Meshkat** (2012–2016)
2. **Gilles Otten** (2012–2016)
3. **Emiel Por** (2016–2020)
4. **Alex Bohn** (2017–2021)
5. Tim van Werkhoven (2010–2014) *with C. Keller*
6. Maaike van Kooten (2017–2021) *with N. Doelman*
7. **Dirk van Dam** (2018–)
8. **Elina Kleisioti** (2021–2025) *with D. Dirkx/TU Delft*
9. Pengyu Liu (2022–2025) *with B. Biller/Edinburgh*
10. Michiel Darcis (2023–) *with P. de Visser/SRON*
11. **Richelle van Capelleveen** (2023–)
12. **Hylke Hoogland** (2023–)

Postgraduates:

1. Dr. Christian Ginski (2014–2018) *with C. Keller*
2. **Dr. Schuyler Wolff (Oort Fellow)**

Supervision of Masters and Bachelor students

From 2010 to 2025, I have **supervised over 50 MSc projects and 23 undergraduate projects** on astronomy and instrumentation. Over 20 of these projects have led to refereed publications in the astronomical literature.

Student	Degree	Title	Year
Anton Rijkers	MRP	"Spectrograph for Beta Pic exocomet transits"	2025
Anastacia Peters and E Verkooijen	BRP	"Increasing the sensitivity of direct imaging of exoplanets in YSES and WISPIT"	2025
Valerie Bakker	MRP	"Searching for circumplanetary material around the exoplanet Beta Pictoris c"	2024
Niels van Leur	MRP	"Curious eclipsers - looking for disk and ring eclipses in ASAS-SN"	2024
Julia Pessers	MRP	"The curious transit of ASASSN-24fw"	2024
Carmen Turner	MRP	"Tracking a star behind the Fomalhaut debris ring"	2024
Alberto Brentegani	MRP	"Fitting the ring system of ASASSN-23ht"	2024
Andria Uplisashvili	MRP	"A dust shell model for exocomet transits"	2024
Niels Korpel	BRP	"The curious case of ASASSN-23ao"	2024
Britt Ottvanger	BRP	"The transiting disk eclipse of ASASSN-21ao"	2024
Rick Dullaart	MRP	"Searching for wide separation exoplanets in the SnapSHINE survey"	2024
Puck Rooijackers and Joep Noordhoel	BRP	"Characterising the binary system from YSES 3 with direct imaging"	2023
Zachary Burr	MRP	"Finding Companions in the YSES IFS Data"	2023
Catherine Slaughter	MRP	"Disentangling the shadows of a planetary collision"	2023
Theofilus Hobba Pramono	MRP	"Follow Up of ASASSN-21js Light Curve"	2023
Anna Perry	MRP	"A multi-wavelength Reconstruction Scheme for the Zernike WFS"	2023
Isis van Wolde	BRP	"Transit of a circumplanetary disk"	2023
Quirin van Woerkom	MRP	"The spectroastrometric detectability of nearby Solar System-like exomoons"	2023
Wouter van Tol	MRP	"WFS reconstruction with CNN for the pyramid WFS"	2023
Richelle van Capelleveen	PhD	"YSES and WiSPIT"	2023
Michiel Darcis	PhD	"MKIDS and wavefront sensors"	2023
Hylke Hoogland	PhD	"Modelling the atmospheres of exomoons"	2023
Tunde Meijer and Levi van Es	BRP	"Looking for CPDs in CSDs and the discovery of a transiting exoplanet"	2022
Richelle van Capelleveen	MRP	"The Eclipse of ASASSN-21qj: A collisional event"	2022
Ioannis Koutalios	MRP	"Finding the best exoplanets to search for exomoons by radial velocity"	2022
Pengyu Liu	PhD	"direct imaging"	2021
Dario González Picos	MRP	"Looking for transiting circumplanetary disks in ASAS-SN"	2021
Francisco Tomas Pires de Santos	MRP	"Exploring the Terrascope"	2021
Lukas Welzel	MRP	"Measuring the optical depth of a debris disk using a galaxy"	2021
Mariya Krasteva	MRP	"Design of a Fabry-Perot Etalon for the CoPILOT Spectrometer"	2021
Sam de Regt	MRP	"Polarimetric differential imaging with VLT/NACO"	2021
Stef Heijnen	MRP	"Survival of exomoons around exoplanets"	2021
Liz van der Kamp	MRP	"A search for ejection events in Sco-Cen"	2021
Evelyn van der Kamp	MRP	"A multiplicity survey of transiting exoplanet host stars"	2021
Ramon van Gaalen and Hannah van C	BRP	"Compressed Sensing: Earth Observation Using a CASSI System"	2021
Wouter van Tol	BRP	"Lava Rainbows"	2021
Xinrui Shan	MRP	"DeepRDI: Detecting exoplanets with Reference Star Differential Imaging and Neural Networks"	2021
Emiel Por	PhD	"Focal Plane Wavefront Sensing for Exoplanet detection"	2020
Maike van Kooten	PhD	"Predictive control for astronomical adaptive optics"	2020
Elina Kleisioti	PhD	"Tidally Heated Exomoons"	2020
Pengyu Liu	MRP	"TRAP4vAPP: Finding exoplanets in vAPP coronagraphic data"	2020
Bart Ouweland	BRP	"Determining the dust particle sizes during the transit seen towards J0600"	2020
Liz van der Kamp	BRP	"Looking through a list of Single Eclipses in K2 Data & modelling of a deep and asymmetric e"	2020
Bas van Veen	BRP	"Looking for lonely planets with NICI and SPHERE data"	2020
Anne Baak and Fleur Evertsen	BRP	"Watching the Brightest Stars with the Leiden All Sky Camera"	2020
Christiaan Dik and Stan Barmantloo	BRP	"Looking for transiting planets around J1407"	2019
Sanna Heesakkers and Rosa Hoogen	BRP	"Light Curves of the Brightest Stars"	2019
Andy Schmit	MRP	"Finding Ring Systems in TESS light curves and putting constraints on lifetimes"	2019
Christopher Seay	MRP	"Finding Extrasolar Companions Around Sun-like Stars in the Sco-Cen Association"	2019
Aniek van Ogtrop	MRP	"Observing nova explosions using bRing"	2019
Sacha van Ruiten	BRP	"Observability of Tidally Heated Exomoons with METIS"	2019
Ruoyan Wang	MRP	"Cataloging and Visualizing Cradles of Planet Formation"	2019
Chandra Vaishali	MRP	"Direct Imaging of HR 8799"	2019
Alex Tripsas	MRP	"Design and Demonstration of Focal Plane Wavefront Sensing for Co-Phasing the GMT"	2019
Chen Xie	MRP	"Imaging accreting planets within their native environment with VLT/MUSE"	2019
Dirk van Dam	PhD	"Modelling and fitting Exorings"	2018
Lennart van Sluijs	MRP	"Spectroscopic Transit Search: a self-calibrating method for detecting planets around bright s"	2018
Rachel Losacco	MRP	"Lava Rainbows of 55 Cancri e"	2018
Alexander Bohn	PhD	"Young suns and infant planets: Probing the origins of solar systems"	2017
Erik Weenk and Marit Mol Lous	BRP	"Looking for Beta Pic c"	2017
Nilofar Khorshid	MRP	"Improving the Photometric Precision of bRing by Constructing a PSF Map"	2017
Jorge Andres Villa Vandez	MRP	"Searching for Exoplanetary Rings with SUPERWASP and Gaia"	2017
Robin Mentel	BRP	"Constraining the orbital period of the ringed companion J1407b with photographic plate and"	2016
Patrick Dorval	MRP	"bRing: Continuous Monitoring of the Beta Pictoris Hill Sphere Transit"	2016
Dirk van Dam	MRP	"High Resolution Polarisation Imaging of 1SWASP J140747.93-394542.6: The Search for an"	2016
Bharath Chowdhary Nagam	MRP	"New Mass and Orbital constraints of J1407b"	2016
Samuel Mellon	PhD	"The Beta Pictoris b Ring (bRing) Survey of the Southern Sky"	2016
Lennart van Sluijs and Denis Vandae	BRP	"Transmission through the debris disk of the solar-like star HD 107146 from a distant occulter"	2015
Martijn Oei	BRP	"Towards a polarization-induced dOTF wavefront sensor"	2014
Pim Overgaauw	MRP	"Finding the Drake Equation for Tidally Heated Exomoons"	2014
Julia Heuritsch	MRP	"Looking for transiting exo-ring planetary systems in archival data"	2014
Kiera Brooks	MRP	"On-sky testing of the Polarization dOTF Wavefront Sensor Camera"	2014
Ari Karisli and Stefano Metafuni	BRP	"Allskycam at Leiden Observatory"	2013
Emiel Por	BRP	"Sparse Aperture Masking at the Leiden Old Observatory"	2013
Arisa Hatagaya	MRP	"The Search for Transiting Exoplanets in the Beta Pictoris System using the Box-Fitting Leas"	2013
Luis Henry Quiroga Nunez	MRP	"Principal Component Analysis of HST Coronagraphic Images to detect circumstellar disk str"	2013
Tim van Werkhoven	PhD	"Exomoons in the J1407 system"	2013
Sascha Zeegers	MRP	"Feasibility of transit spectroscopy of nearby debris disks"	2011
Joris Voorn	BRP	"Stability of multimode fibers for exoplanet spectroscopy"	2011
Mason Carney	MRP	"Modeling a Stepped Luneberg Lens for All-Sky Imaging"	2011
Tiffany Meshkat	PhD	"Extrasolar Planet Detection Through Spatially Resolved Observations"	2011
Gilles Otten	PhD	"Suppressing a Sea of Starlight: Enabling technology for the direct imaging of exoplanets"	2011
Jens Hoeijmakers and Ritse Heinsbro	BRP	"Looking for faint stellar companions to A-type stars using image convolution"	2010

Service & Committees (Institutional, active in bold)

I contribute to the Leiden Observatory department in several areas of management and administration, notably:

- Diversity Committee 2019—2023
- Editor of Leiden Observatory Annual Report 2018—2023
- **Social Committee 2018—**
- Opleidingscommissie van Natuurkunde en Sterrenkunde 2014—2020
- **Opleidingscommissie 2014—**
- Masters Admission Committee 2014—2019
- **Promotie Begeleidings Committee 2013—2014, 2021, 2023—, Chair in 2024:** Leiden Observatory has one of the largest graduate programs in Europe with over 70 students in the academic year 2013. We talk with all the students once a year to listen to any concerns they might have and to ensure that they are progressing with their studies to both the supervisor and students satisfaction.
- Leiden Observatory Colloquium organiser 2011—2014.
- Masters Student Astronomy Colloquium organiser 2010—2012.

Service & Committees (External, active in bold)

- **2019— ESO, ALMA Reviewer.**
- 2023—2025 LCOGT Reviewer.
- 2021 JWST Cycle 1, Cycle 4 Reviewer.
- **2018—2021,2023,2025 Reviewer for NWO VENI proposals.**
- 2012—2025 Coronagraphic design lead for [ERIS](#), a second generation thermal infrared imaging camera for the VLT.
- 2013—2016 ING Time Allocation Committee.
- Program Committee for the SPIE Astronomical Telescopes + Instrumentation 2016, 2018, 2020
- 2014—2018 Simulations of first light [E-ELT](#) instrument Workshop Organiser, with the goal to unify the atmospheric and instrument parameters for consistent modeling.
- 2014—2016 [ESO Users Committee](#), representing the opinions of Dutch astronomers to the European Southern Observatory.
- 2012—2018 Coronagraphic design lead for the E-ELT instrument METIS as part of an international consortium.

- **Review papers for refereed journals ApJ, PASP, MNRAS, Nature, Nature Astronomy and other major international astronomy journals.**
- 2013 Group leader for the Rocky Exoplanets panel on the NWO [PEPSci](#) program, coordinating several proposals within the funding agency.
- 2011—2014 NOVA Colloquium Organiser for the four astronomy institutes, organising week long visits from international prominent researchers.
- **NSF and ERC Panel Reviewer** in 2010, 2013, 2015 and 2016, typically reading over a dozen proposals and acting as lead reviewer on 3 to 4 proposals each time.
- **Reviewer for several international astronomy proposals.**
- Canadian National Science Panel Reviewer in 2012.
- [Lorentz Center Workshop](#) Organiser for:
 - “[Optimal Exoplanet Imagers](#)” in February 2023.
 - “[Tackling the Complexities of Substellar Objects](#)” in February 2020.
 - “[Rocks, Rubble and Rings: Understanding Deep and Irregular Transits](#)” in October 2016.
 - “[Combining Coronagraphs and Wavefront Control](#)” in October 2014.
 - “[How to find our Nearest Neighbours](#)” in October 2012

Invited Colloquia and Research Talks

I have given **over 140 science talks from 2010 to present**, with over a third of them invited. The table shows talks from 2020 to present day.

Date	Talk at	Talk for	Talk title
2025-09-18	IMC 2025	Public talk	The curious case of transits by giant disks of dust
2025-07-08	Coimbra, Portugal	DDE conference	Large transiting exoring systems from the ASAS-SN surveys
2025-05-27	NAC	NAC	Exoring transits from the ASAS-SN surveys
2025-03-26	QUB	Astrophysics Research Seminar	Scattered: Wide separation exoplanets and shattered exomoons
2025-03-21	SRON	PLATO meeting	Beta Pic with PLATO
2024-11-14	Oxford University	SPIMAX	Scattered: Wide separation exoplanets and shattered exomoons
2024-10-22	NOVA	NOVA Groip II	The diversity of exoring transits
2024-07-22	ISSI @ Bern	ISSI	Techniques for detecting exocomets
2024-07-12	National Space Centre	Space Lates	Rocks Rubble and Rings
2024-06-16	Universitat Innsbruck	Physics Colloquium	When Worlds (probably) Collide!
2024-04-09	ESO	SPF seminar	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2024-04-09	ESO	Lunch talk	When Worlds (probably) Collide!
2024-03-18	CHCH Library, NZ	ExSS V Public talk	When Worlds (probably) Collide!
2023-12-14	University of Galway	Physics Colloquium	When Worlds (probably) Collide!
2023-11-28	MPIA	Astro Coffee	When Worlds Collide! (Probably)
2023-11-21	NOVA	NOVA Group II	When Worlds Collide! (Probably)
2023-11-09	ESTEC	SCI-S Seminar	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2023-10-26	STRW	Science Day	When Worlds Collide! (Probably)
2023-10-03	ZOOM IN Optics	Delft	Imaging extrasolar planets and circumstellar disks with HCI
2023-06-23	Oxford University	SPIMAX	The surprisingly eccentric orbit of the directly imaged exoplanet YSES 2b
2023-06-09	ESTEC	Exoplanet Science Meeting (HAESM)	The surprisingly eccentric orbit of the directly imaged exoplanet YSES 2b
2023-05-23	Leicester University	Leicester Astro Department	Recent Research
2023-03-20	ESTEC	ESLAB	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2023-03-08	TU Delft	ARTEMIS	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2022-12-01	ESO	Disks and Planets across ESO facilities	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2022-11-14	University of Groningen	Astro Seminar	YSES and WiSPIT: direct imaging surveys for young gas giant exoplanets
2022-09-26	Astronomy on Tap Leiden	Astronomy on Tap	Shadows of Rings
2022-06-07	SRON	SMS talk	Lonely Planets: Direct imaging discoveries of gas giant exoplanets with the Youn
2022-05-16	Pasadena/Heidelberg	Exoplanets in the 21st century	Advanced Coronagraphs and Recent Results
2022-04-22	STRW	Dutch Exomoons Meeting	Circumsecondary Disks in Transit
2022-04-06	Switzerland	3rd JURA for PlanetS	Make a web page
2022-01-26	University of Toronto	Astronomy Colloquium	Lonely Planets: Direct imaging discoveries of gas giant exoplanets with the Youn
2022-01-24	TU Delft	AE Colloquium	Lonely Planets: Direct imaging discoveries of gas giant exoplanets with the Youn
2022-01-20	ASTRON	Dwingeloo-Leiden coffee	The Young Suns Exoplanet Survey
2021-11-24	Rijnlands Lyceum	Masters Course for senior students	Finding Other Worlds
2021-11-03	Leiden Observatory	PhD Introduction day	Astronomical Instrumentation at Leiden Observatory
2021-09-22	EPSC	EPSC 2021-35	The Young Suns Exoplanet Survey: imaging infant planets around young, solar
2021-09-02	George Mason University Observ	Virtual Evenings Under the Stars	Seeing the shadows of giant ring systems around exoplanets
2021-05-17	Newbury Astronomical Society	Newbury Astronomical Society	Taking pictures of planets around Young Suns
2021-05-17	Ruhr-Universität Bochum	Astronomisches Institut	Taking pictures of planets around Young Suns
2021-05-10	University of Innsbruck	JOINT Institute Seminar	Seeing the shadows of circumplanetary disks: the cases of J1407 and J0600
2021-04-16	Leiden Observatory	Observatory Seminar	Searching for circumplanetary material around Beta Pictoris b
2021-03-26	Stockholm University	Stockholm Astronomy Seminar	Seeing the shadows of circumplanetary disks: the cases of J1407 and J0600
2021-03-03	Leiden Observatory	Leiden Exoplanet Meeting	The Beta Pictoris b Hill sphere transit
2021-01-13	UCSC	UCSC Colloquium	Looking for the transits of circumplanetary disks
2021-01-12	MPIA	Exocoffee @ MPIA	ALMA and NACO observations towards the young exoring transit system J1407
2021-01-09	AAVSO	AAVSO Webinar	Shadows of circumplanetary disks: J1407 and J0600
2020-12-07	Wallace Fields	Two classes	Exoplanets
2020-11-26	NOVA	NOVA Group II	Shadows of Circumplanetary Rings
2020-11-17	Leiden Lions Club	Leiden Lions Club	Two distant wanderers: how to take pictures of planets around other stars
2020-11-06	Leiden University	Dutch Exomoons Meeting	Shadows of Circumplanetary Rings
2020-10-12	ASTRON	Coffee morning	Searching for the shadows of exocomets and exomoons
2020-09-28	Astronomy on Tap Leiden	Outreach	Two distant wanderers: how to take pictures of planets around other stars
2020-07-31	Leiden University	Leiden Observatory Seminar	Searching for Transiting Circumplanetary Disks with ALMA and bRing
2020-07-06	Astronomy on Tap Groningen	Astronomy on Tap	Seeing the shadows of planets, comets and rings around other stars
2020-07-04	Perth Observatory	Perth Observatory	Observations of J0600 and Perth Observatory
2020-07-01	EAS2020	EAS2020	Search for Transiting Circumplanetary Disks
2020-05-26	Steward/LPL	Origins Seminar	Looking for the transits of circumplanetary disks
2020-05-13	Lansing	Astronomy on Tap	Finding Seven Trappists outside the Solar System
2020-04-28	University of St. Andrews	Lunch Talk	Looking for the transits of circumplanetary disks
2020-04-08	Queens University Belfast	Astrophysics Colloquium	Looking for the transits of circumplanetary disks
2020-03-04	University of Exeter	Astrophysics Colloquium	Looking for the transits of circumplanetary disks
2020-02-12	Science Museum, London	PATREON people	Seeing the shadows of planets, comets and rings around other stars
2020-01-27	Munich	HCI post-processing Workshop	Observations of Planetary Systems
2020-01-20	Oxford University	Oxford Astrophysics Colloquium	Looking for the transits of circumplanetary disks

Bibliography of Publications

6403	citations for 272 bibliographic references in the Astrophysics Data System
177	Refereed publications (151 since 2010)
39	Hirsch h-index (i.e. 39 publications with ≥ 39 citations)
64	SPIE Instrumentation Papers

[Google Scholar citations](#)

Refereed Papers

- A186. [An Overview of Exocomets](#)
Iglesias, D., Rebollido, I., Norazman, A., Snodgrass, C., Seligman, D. Z., Xu, S., Hoeijmakers, H. J., et al., **2025**, SSRv, 221, 122.
- A185. [Chasing the storm: investigating the application of high-contrast imaging techniques in producing precise exoplanet light curves](#)
Sutcliffe, B. J., Doelman, D. S., Birkby, J. L., Kenworthy, M. A., Stone, J. M., Snik, F., Ertel, S., et al., **2025**, MNRAS, 544, 3191.
- A184. [Wide Separation Planets In Time \(WISPIT\): Two directly imaged exoplanets around the Sun-like stellar binary WISPIT 1](#)
van Capelleveen, R. F., Kenworthy, M. A., Ginski, C., Mamajek, E. E., Bohn, A. J., Landman, R., Stolker, T., et al., **2025**, A&A, 704, A221.
- A183. [Peculiar rainbows in Saturn's E ring: Uncovering luminous bands near Enceladus](#)
Rubrecht, N., Cazaux, S., Seignovert, B., Kenworthy, M., Kutsop, N., Le Mouélic, S., & Loicq, J., **2025**, Icar, 441, 116650.
- A182. [New Orbital Constraints for YSES 1 b and HR 2562 B from High-Precision Astrometry and Planetary Radial Velocities](#)
Roberts, J., Thompson, W., Wang, J. J., Blunt, S., Balmer, W. O., Bourdarot, G., Bowler, B. P., et al., **2025**, AJ, 170, 273.
- A181. [Wide Separation Planets in Time \(WISPIT\): Discovery of a Gap H \$\alpha\$ Protoplanet WISPIT 2b with MagAO-X](#)
Close, L. M., van Capelleveen, R. F., Weible, G., Wagner, K., Haffert, S. Y., Males, J. R., Ilyin, I., et al., **2025**, ApJL, 990, L9.
- A180. [Wide Separation Planets In Time \(WISPIT\): A Gap-clearing Planet in a Multi-ringed Disk around the Young Solar-type Star WISPIT 2](#)
van Capelleveen, R. F., Ginski, C., Kenworthy, M. A., Byrne, J., Lawlor, C., McLachlan, D., Mamajek, E. E., et al., **2025**, ApJL, 990, L8.
- A179. [Adding colour to the Zernike wavefront sensor: Advantages of including multi-wavelength measurements for wavefront reconstruction](#)
Darcis, M., Haffert, S. Y., Chambouleyron, V., Doelman, D. S., de Visser, P. J., & Kenworthy, M. A., **2025**, A&A, 701, A157.
- A178. [YSES 2b is a background star: Differential astrometric M-dwarf measurements in time](#)
Kenworthy, M., Stolker, T., Kammerer, J., Balmer, W., Vigan, A., Lacour, S., Otten, G., et al., **2025**, A&A, 701, A104.

- A177. [*High-Contrast Coronagraphy*](#)
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- A176. [*Silicate clouds and a circumplanetary disk in the YSES-1 exoplanet system*](#)
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Outreach

Popular press articles written:

- “Rings of a Super Saturn” in *Scientific American* 2015
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- “Images of Comet Hyakutake” - written for “Comet Hyakutake: a further view” *Astronomy Now*, p.23 (July 1996)