

# JASON THOMAS WRIGHT—CV

Department of Astronomy & Astrophysics  
Center for Exoplanets and Habitable Worlds  
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## Education

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### UNIVERSITY OF CALIFORNIA, BERKELEY

PhD Astrophysics May 2006  
Thesis: *Stellar Magnetic Activity and the Detection of Exoplanets*  
Adviser: Geoffrey W. Marcy

MA Astrophysics May 2003

### BOSTON UNIVERSITY

BA Astronomy and Physics (mathematics minor) *summa cum laude* May 1999  
Thesis: *Probing the Magnetic Field of the Bok Globule B335*  
Adviser: Dan P. Clemens

## Awards and fellowships

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NASA Group Achievement Award for NEID	2020
Drake Award	2019
Dean's Climate and Diversity Award	2012
Rock Institute Ethics Fellow	2011-2012
NASA Group Achievement Award for the SIM Planet Finding Capability Study Team	2008
University of California Hewlett Fellow	1999-2000, 2003-2004
National Science Foundation Graduate Research Fellow	2000-2003
UC Berkeley Outstanding Graduate Student Instructor	2001
Phi Beta Kappa	1999
Barry M. Goldwater Scholar	1997

Last updated — Jan 15, 2021

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## Positions and Research experience

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<b>Associate Department Head for Development</b> Astronomy & Astrophysics, Penn State University	July 2020–present
<b>Director</b> , Penn State Extraterrestrial Intelligence Center	March 2020–present
<b>Professor</b> , Penn State University	July 2019 – present
<b>Deputy Director</b> , Center for Exoplanets and Habitable Worlds Astronomy & Astrophysics, Penn State University	July 2018–present
<b>Acting Director</b>	July 2020–August 2021
<b>Associate Professor</b> , Penn State University	July 2015 – June 2019
<b>Associate Department Head for Diversity and Equity</b> Astronomy & Astrophysics, Penn State University	August 2017–August 2018
<b>Visiting Associate Professor</b> , University of California, Berkeley	June 2016 – June 2017
<b>Assistant Professor</b> , Penn State University	Aug. 2009 – June 2015
<b>Research Associate</b> , Cornell University	Dec. 2007 – Aug. 2009
<ul style="list-style-type: none"><li>• Detecting Planets with TEDI, a near-IR Doppler instrument at Palomar. Collaborators: James P. Lloyd, Jerry Edelstein, Matthew Muterspaugh, Philip Muirhead</li><li>• Characterizing the new benchmark Galactic cluster Ruprecht 147. Collaborators: Angie Wolfgang, John Asher Johnson</li><li>• Double-blind study to test SIM’s Capability for Planet Detection Through Simulations Collaborators: Matthew Muterspaugh, Andrew Howard, Martin Sirk, Sam Halverston</li><li>• Multiple-planet systems and long-period planets Collaborators: The California Planet Search, Eric Ford, Greg Henry</li><li>• Ages and activity levels of old field stars</li></ul>	
<b>Postdoctoral Researcher</b> , UC Berkeley	2006 – 2007
<ul style="list-style-type: none"><li>• Multiple-planet systems and long-period planets Collaborators: The California Planet Search</li></ul>	
<b>Graduate Research Assistant</b> , UC Berkeley	2000 – 2006
<ul style="list-style-type: none"><li>• A catalog and analysis of stellar magnetic activity in old, late-type stars and</li><li>• The detection and cataloging of nearby exoplanets with precise radial velocities Collaborators: Steven Vogt, Debra Fischer, Paul Butler, John Asher Johnson</li></ul>	

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**Undergraduate Researcher, Boston University** 1995 – 1999

- Measuring Magnetic Fields using Polarization by Dust Grains in a Bok Globule  
Adviser: Dan Clemens

**Research Intern, *Computing Our Universe* Summer School, U. Mass.** Summer 1998  
Adviser: David Weinberg, OSU

**Research Intern, Smithsonian Astrophysical Observatory** Summer 1997  
Adviser: Patrick Slane

## Professional activities

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PI, NASA Nexus for Exoplanet System Science

Instrument Team Project Scientist, NEID

Science Advisory Committee, *Breakthrough Listen*

Alternate Representative for Penn State, AURA (2018–)

WIYN Science Steering Committee (2018–)

Maintainer, *Exoplanet Orbit Database*, [exoplanets.org](http://exoplanets.org) (2004–2019)

Maintainer, exoplanet statistics for NASA *ViewSpace* planetarium presentation (–2019)

American Astronomical Society Session Chair (Winter 2012, Winter 2018)

American Astronomical Society Task Force on Meetings (2015)

American Astronomical Society Agent (Penn State, 2013–)

American Astronomical Society George Van Biesbroeck Prize Committee (2018–2021)

American Astronomical Society Committee for Sexual-Orientation and Gender Minorities in Astronomy (2017–)

American Institute of Physics panel on GRE Physics test preparation strategies (November 7, 2013)

User Committee for NStED database by NExScI (2009–2011)

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## Professional activities (continued)

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### Referee:

- *AAS Journals*
- *The Astrophysical Journal Letters*
- *Monthly Notices of the Royal Astronomical Society*
- *Astronomy and Astrophysics*
- *International Journal of Astrobiology*
- *Publications of the National Academy of Science*
- *Publications of the Astronomical Society of Japan*
- *Nature*
- *Astrophysics and Space Science*
- *Futures*

### Proposal Reviewer:

- Austrian Science Fund
- *Kepler* Participating Scientist Program
- NSF Astrophysics Review Panel (as Internal and External Reviewer)
- NASA Origins of Solar Systems (External Reviewer)
- NASA ADAP
- NASA Exoplanet Exploration Program
- NOAO Solar System TAC (2010-2012, 5 semester tenure, plus 1 special TAC)
- NASA Hubble Fellowship Program
- Hobby-Eberly Time Allocation for Penn State
- 51 Pegasi b proposals for Penn State
- Eberly Fellowships for Penn State
- WIYN time allocation for Penn State
- European Research Council Advanced Grant Program (2012,2019)
- European OPTICON 2–4 metre Time Allocation Review (2013, 2014)
- Leverhulme Trust
- National Science Center (Poland)
- Swiss National Science Foundation

### Member:

- American Astronomical Society
- International Astronomical Union
- International Academy of Astronautics (SETI Permanent Committee)
- SDSS III-MARVELS (External collaborator 2010–2012)
- Penn State Astrobiology Research Center (an erstwhile NASA Astrobiology

### Institute node)

- Penn State Center for Exoplanets and Habitable Worlds
- Penn State Extraterrestrial Intelligence Center
- Penn State Consortium for Planetary and Exoplanetary Science and Technology

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## Professional activities (continued)

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Chair, Local Organizing Committee, *Workshop on Astronomy of Exoplanets with Precise Radial Velocities*, University Park, PA, Aug. 16–20, 2010

Science Organizing Committee, *Second Workshop on Measuring Precise Radial Velocities*, New Haven, CT, July 6–8, 2015

Science Organizing Committee, *OHP-2015: Twenty Years of Giant Exoplanets*, Observatoire de Haute-Provence, France, Oct 5–9, 2015

Co-organizer, Aspen Summer Physics Workshop, *Approaching the Stellar Astrophysical Limits of Exoplanet Detection: Getting to 10 cm/s* August 28–September 18, 2016

Chair of conference and Science Organizing Committee of the *Third Workshop on Extremely Precise Radial Velocities*, State College, PA, Aug 14-17, 2017

Science Organizing Committee, *Extreme Precision in Radial Velocity IV*, Grindewald, Switzerland 17–21 March 2019

Chair, Science Organizing Committee, *NASA Technosignatures Workshop*, Houston, TX, September 26–28, 2018

Science Organizing Committee, *Moonshots and Earthshots in the Search for Life Beyond Earth*, Green Bank, WV, July 20–23, 2019

Conference co-chair, *First Penn State SETI Symposium*, State College, PA, June 21–24, 2021

Science Organizing Committee, *Technoclimates* 3–7 August, 2020

Successfully nominated Dr. Claire Max for the American Astronomical Society Weber Prize.

Successfully nominated Dr. Franklin Kameny for recognition by the American Astronomical Society in its 2012 meeting.

Successfully nominated Dr. John Johnson for the American Astronomical Society Newton Lacy Pierce Prize in Astronomy

## Teaching

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### As Graduate Student Instructor:

1999-2003

- Introduction to Astronomy: 4 semesters (Survey course for non-majors)
- Introduction to Astrophysics: 1 semester (Survey course for astrophysics majors)
- Astronomy Optical Laboratory: 1 semester (Junior/Senior astrophysics majors)
- The Art of Teaching Astronomy: (Course for first-time Graduate Student Instructors, covering basic teaching methods and lessons from astronomy education research; assistant instructor 1 semester; head instructor 1 semester)

### As professor:

- ASTRO 589: The Science of Exoplanets (Graduate seminar, Fall 2009)
- ASTRO 530: Stellar Atmospheres (Graduate course, Spring 2010, 2012, 2014, 2016, 2020)
- ASTRO 534: Stellar Structure and Evolution (Graduate course, Spring 2015, Spring 2021)
- ASTRO 576: SETI (Graduate course, Spring 2018, Fall 2020)
- ASTRO 001: Astronomical Universe (Undergraduate course, Spring 2011, 2013)
- ASTRO 020S: First Year Seminar (Undergraduate course, Fall 2011–2015)
- SC 200: Science in Our World: Certainty and Controversy (Undergraduate non-major course, Fall 2017–9)
- GRE Physics “Boot Camp” (Special course, Fall 2010, 2012–2014)

## Education and Public Outreach

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### Public Lectures and Panels:

*The Search for Alien Life* Profs and Pints, online, Nov. 13, 2020

*Exoplanets Abound! The Search for (and the Discovery of) Other Worlds* Company A, Online Nov. 11, 2020

Drake Award Acceptance Speech, Menlo Park, CA, May 8, 2019

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### Education and Public Outreach (Public lectures and panels, continued)

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Student Research Opportunities Program panelist on getting into graduate school, University Park, PA, July 23 & 24, 2018

*Is Anybody Out There? A Short History of Trying to Get Attention*; Astronomy on Tap, Happy Valley Brewing Company, State College, PA, July 23, 2018

*Searching for Alien Megastructures: Hype vs. Reality*; Astronomy on Tap, Happy Valley Brewing Company, State College, PA, July 24, 2017

*Searching for Alien Megastructures: Hype vs. Reality*; Science Pub, Big Spring Spirits, Bellefonte, PA, July 5, 2017

*The Most Mysterious Star in the Galaxy*, CarbonEarthWorkshop. State College, PA, October 29, 2016

*New Frontiers in Artifact SETI: Waste Heat, Alien Megastructures, and "Tabby's Star"* Astronomy Club, Penn State, October 16, 2016

*Frontiers in Artifact SETI: Waste Heat, Alien Megastructures & Tabby's Star*; SETI Talk, SETI Institute Colloquium, Mountain View, CA, Aug. 9, 2016

*Are We Alone in the Universe?—Physics of Everything Lecture 5*, New York Academy of Sciences, June 13, 2016

*Alien Megastructures: Hype vs. Reality*; Adler After Dark presentations Jan. 21, 2016

*Searching for Alien Megastructures: Hype vs. Reality*; Friedman Lecture, Dec. 1, 2015

*Using General Relativity to Discover Exoplanets*; Penn State Lecture on the Frontiers of Science, University Park, PA, Feb. 21, 2015

*A WISE Search for Large Extraterrestrial Civilizations: A Complementary Approach to Traditional SETI*; SETI Talk, SETI Institute Colloquium, Mountain View, CA, Nov. 12, 2013

*The Far-Flung Future of Energy in the Galaxy*; Discovery U, Penn State University, University Park, PA, Nov. 8, 2013

*The Science of Exoplanets*; Keynote Address, The 14th Annual UNL Astronomy Education Workshop, University of Nebraska, Lincoln, NE, Oct. 22, 2011

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## Education and Public Outreach (Public lectures and panels, continued)

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*Exoplanets Abound! The Search for (and Discovery of!) Planets Around Other Worlds*, ,  
Ruckman Lecture, University of Nebraska, Lincoln, NE, Oct. 21, 2011

*The Search for Exoplanets, Many Suns, Many Worlds: The Galactic Quest for Exoplanets*  
Invited Public Lecture, presented by the Keck Institute for Space Sciences, Pasadena, CA  
October 4, 2010.

### Online and other media appearances:

For a list see <https://sites.psu.edu/astrowright/presentations-and-videos/>

### Other E/PO:

Organizer, <i>Marketing for Scientists</i> session by Marc Kuchner	2013
Guest speaker, Penn State Astronomy Club	2013
Westinghouse Science Honors Institute Saturday science lecturer	2013
Guest speaker (remote), Wittenberg Astronomy Club	2013
SETI Institute Google Hangout ( <a href="http://bit.ly/16FkjXo">http://bit.ly/16FkjXo</a> )	2013
Guest speaker, Berks Astronomy Club, Reading, PA	2012
Guest speaker, Central Pennsylvania Observers	2010
Conducted TA training in Learning Center methods for PSU Physics TAs	2010
Volunteer, Exploration Days, Bryce Jordan Center, Penn State	2010
Guest speaker, Penn State Astronomy Club, University Park, PA	2009
Participant, “Using Technology & Authentic Investigations in Astro 101: A Tier II (Special Topics) Workshop”, Maui, HI	2009
Volunteer organizer for same, Berkeley, CA	2008
Project ASTRO visiting astronomer at Allendale Elementary, Oakland, CA Educator: January Anderson	2008
Co-founder of weekly Graduate Student / Postdoc Seminar, Cornell University	2008
Guest speaker, Mohawk Valley Astronomical Society, Utica, NY	2008
Participant, “Improving the College Introductory Astronomy Survey Course for Non- Science Majors Through <i>Active Learning</i> : A Tier I (Introductory) Workshop”, Honolulu, HI,	2007

### Web and social media:



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- **exoplanets.org**

exoplanets.org hosts the Exoplanet Data Explorers and the Exoplanet Orbit Database. These resources are used by scientists, educators, and the general public regularly, and plots from exoplanets.org appear in talks, research proposals, and professional articles with increasing regularity. It is the basis of exoplanet metadata at <https://exo.mast.stsci.edu/>

- **AstroWright**

[The AstroWright website](#), blog, and related Facebook and Twitter (@Astro\_Wright), accounts convey information about Wright group research and professional issues.

- **@Astro\_Wright**

The @Astro\_Wright Twitter account has over 6.300 followers as of August 2019

**Media accounts of research** can be found on the AstroWright Press page at <http://sites.psu.edu/astrowright/press/>

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## Advising

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### Postdoctoral researchers

- Ming Zhao, CEHW postdoctoral fellow 2011–2014
- Now a data scientist in industry
- Thomas Beatty, CEHW postdoctoral fellow 2014–2017
- In 2017 became Assistant Research Professor at Penn State
  - Now a Research Associate at University of Arizona
- Eva Bodman, NASA Postdoctoral Fellow 2017–2019
- co-advisor; in residence at Arizona State University advised by Steve Desch
- Fabienne Bastien, Hubble Fellow 2014–2017
- Became an Assistant Professor at Penn State
- Daniel Stevens, CEHW postdoctoral fellow 2018–

### Graduate students

- Jason Curtis (thesis adviser) 2010–2016
- Studies of the nearby open cluster Ruprecht 147
  - NSF Postdoctoral Fellow at Columbia University
  - Now a Postdoctoral Researcher at Columbia University
- Jackson Norris 2010–2011
- Studies of the planet orbiting the hot subdwarf HD 149832
- Xuesong (Sharon) Wang (thesis adviser) 2010–2011
- Instrumental Profile Modeling of the HRS on HET 2013–2016
  - Precise Doppler pipeline for HET
  - Effects of telluric lines on precise Doppler work
  - DTM Fellow at the Carnegie Observatories
  - Now faculty at Tsinghua Univeristy

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## Advising (graduate students, continued)

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- Sara Gettel (primary adviser: Alex Wolszczan) 2010–2012
- Instrumental Profile Modeling of the HRS on HET
  - Raw reduction pipeline for HRS on HET
  - Instrumental profile modeling of HRS on HET
  - Precise Doppler velocities with HRS on HET
  - In 2012 became a postdoctoral researcher at Harvard-Smithsonian Center for Astrophysics
- Aprita Roy 2011–2013
- Atmosphere and magma composition of the proto-moon
  - Line bisectors in Keck and HET RV data (primary adviser: Suvrath Mahadevan)
  - Milliken Fellow at Caltech
  - Now an astronomer at STScI
- Kimberly (Star) Cartier (thesis adviser) 2012–2017
- HST WFPC3 imaging of *Kepler* planet host stars (primary adviser: Ron Gilliland)
  - Artifact SETI with *Kepler*
  - HST WFPC3 and ground-based SED measurements of WASP-103 (primary adviser: Thomas Beatty)
  - Now a staff writer at *EOS*
- Benjamin Nelson (primary adviser: Eric Ford) 2014–2015
- Dynamical studies of multiplanet systems
  - In 2015 became a CIERA Postdoctoral Fellow at Northwestern University
- Jacob Luhn (thesis adviser, co-adviser: Fabienne Bastien) 2016–
- Photometric Flicker and radial velocity jitter as functions of wavelength
- Jiyu (Leo) Liu 2016–2018
- Precise infrared photometry for exoplanet characterization
- Shubham Kanodia 2018–
- Calculating the Cosmic Haystack
  - Laser SETI
- Alan Reyes 2017–
- SETI
  - RV characterization of *Kepler* multiplanet systems
- Sofia Sheikh (thesis adviser) 2017–
- SETI

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## Advising (graduate students, continued)

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Noah Tuchow (thesis adviser)	2018–
• Stellar Models and the habitable histories of exoplanets	
Arvind Gupta	2018–
• NEID target selection and spectral contamination	
Macy Huston	2020–
• Dyson spheres	
Nicholas Tusay	2020–
• Radio SETI	

## Undergraduate students and post-baccalaureate researchers

Angie Wolfgang, undergraduate physics major, Cornell University	2008–2009
• Determined membership in the new benchmark cluster Ruprecht 147	
• Went on to graduate study in astronomy at UC Santa Cruz	
• Now an NSF Postdoctoral Fellow at Penn State	
Eunkyu Han, undergraduate astronomy major, Penn State	2010–2012
post-baccalaureate researcher	2012–2013
• Maintaining and expanding the Exoplanet Orbit Database	
• Went on to graduate study at Boston University	
• Now a postdoctoral scholar at UT Austin	
Ying (Katherina) Feng, undergraduate astronomy major, Penn State	2010–2013
• Maintaining and expanding Exoplanet Orbit Database	
• RV detection and characterization of Jupiter Analogs	
• Went on to graduate study in astronomy at UC Santa Cruz	
Roger Griffith, post-baccalaureate researcher	2012–2014
• SETI from red, extended sources in the <i>WISE</i> catalog	
Colin Hancock, undergraduate astronomy major, Penn State	2014–2015
• Maintaining and expanding the Exoplanet Orbit Database	
Jacob Brown, undergraduate astronomy major, Penn State	2014–2017
• Maintaining and expanding the Exoplanet Orbit Database	

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## Advising (undergraduate students, continued)

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Mcleod Brenneman, undergraduate astronomy major, Penn State	2014–2015
• Maintaining and expanding the Exoplanet Orbit Database	
Shivani Shah, undergraduate astronomy major, Penn State	2015–2018
• Maintaining and expanding the Exoplanet Orbit Database	
• Grand magnetic minima in sunlike stars	
• Now a graduate student at the University of Florida	
Isaiah Holt, undergraduate astronomy major, Penn State	2018–2020
• Observation planning for NEID	
• Now a graduate student at the University of Maryland	
Anna Baum, undergraduate astronomy major, Penn State	2019–
• Activity cycles in Sun-like stars	
• Now a graduate student at Lehigh University	

## Academic advising

- Brandon Botzer (undergraduate) 2009-2013
- Edward Hackett (undergraduate) 2010-2011
- Jamie VanderHeiden (undergraduate) 2011-2014
- Jessica Bebee (undergraduate) 2011-2015
- Gregory Glauser (undergraduate) 2012-2016
- Alexander Kang (undergraduate) 2012-2016
- Anudeep Boddhu (undergraduate) 2013–2014
- Alexander Zerphy (undergraduate) 2013–
- Gregory Romine (graduate) 2013–2016
- Yosuke Ohta (undergraduate) 2013–2014
- Megan McLaurin (undergraduate) 2013–2016
- Shubham Kanodia (graduate) 2017–
- Neha Khandelwal (undergraduate) 2017–
- Jamie Roller (undergraduate) 2017–
- Zachary Specht (undergraduate) 2017–
- Salem Alsuwaidi (undergraduate) 2018–
- David Onest (undergraduate) 2018–
- Vaughn Parts (graduate) 2020–

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## Grants awarded as PI

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“SIM Double-blind Planet Finding Simulation -- Phase 2”, JPL, \$28,507, 12/17/2008 - 9/27/2009. PIs: Jason T. Wright (Cornell), Andrew Howard (Berkeley)

“Multiple and long-period exoplanetary systems: the habitable zone, the ice line, and beyond.”, NASA Origins of Solar Systems, \$61,000. 1/1/2010-12/31/2010. PI: Jason T. Wright. Co-I’s: Eric B. Ford, John Asher Johnson, Debra Fischer, Geoff Marcy.

JPL Research Support Agreement 2010A\_N147Hr (associated with Keck observing time) \$15,750, 2/17/2010-2/16/2012.

JPL Research Support Agreement 2011A\_N141Hr (associated with Keck observing time) \$19,000, 2/17/2011-2/16/2013.

JPL Research Support Agreement 2011B\_N141Hr (associated with Keck observing time) \$16,800, 9/07/2011-9/01/2013.

JPL Research Support Agreement 2012A\_N129Hr (associated with Keck observing time) \$17,200, 3/1/2012-3/1/2014.

JPL Research Support Agreement 2012B\_N144Hr (associated with Keck observing time) \$15,000, 9/1/2012-6/30/2014.

“Exoplanets with HET and Kepler: Multiplanet Systems Near and Far” NSF AAG: \$311,657 09/01/2012–08/31/2016. No co-I’s.

“Characterizing the Nearest Old Open Cluster: Ruprecht 147”, NSF AAG: \$107,182, 08/15/2012–08/14/2015. No co-I’s.

“Constraining the Abundance of Kardashev Type II and III Civilizations From Large Area Infrared Surveys”, New Frontiers in Astronomy and Cosmology Research Grant Program, \$300,000 10/1/2012–9/31/2014. Co-I’s: Steinn Sigurðsson, Matthew Povich

“Weighing the Smallest Exoplanets: Support for an Interdisciplinary Worskshop”, National Science Foundation Astronomy and Astrophysics Grants, \$30,000, 06/01/2017–06/01/2018, no co-I’s.

“Weighing the Smallest Exoplanets: Support for an Interdisciplinary Worskshop”, NASA, \$10,000, 06/01/2017–05/31/2018, Co-I’s Eric Ford, Vladimir Airapetian, Dave Brain, Debra Fischer.

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“Participant Support for the First Penn State SETI Symposium”, NSF AAG, \$50,000, 01/15/2020–12/31/2020.

### Grants awarded as administrative or supervising PI

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“Next Generation Stellar Parameters from Eclipsing Binaries” ADAP Science PI: Daniel Stevens 08/01/2021–07/31/2023, \$470,433

“Verifying a Super-Jupiter Outside a Compact, High-Multiplicity Kepler System with an Unprecedented Architecture II” grant associated with the award of NASA Keck Time, Science PI: Alan Reyes 06/27/2019–06/26/2020, \$11,100

“Giants Beyond the Warm Neptunes II: Verifying a Super-Jupiter outside a Four-Planet Kepler Resonant Chain with an Unprecedented Architecture” grant associated with the award of NASA Keck time, Science PI: Alan Reyes 6/25/2018–6/25/2020, \$13,575

“Radial Velocity Follow-up Observations of *TESS* Single-Transit Events”, NOIR Lab, grand associated with award of NOIR Lab telescope time. 04/01/2020–03/31/2022, \$5,000, Science PI: Arvind Gupta

"Phase-resolved Emission Spectroscopy of the Transiting Brown Dwarf KELT-1b using WFC3", grant associated with award of *Hubble Space Telescope* time, 11/1/2016-10/31/2019, \$154,590

“Precise H-K Color Measurements of the Daysides of Two Hot Jupiters”, grant associated with the award of NASA WIYN telescope time, Science PI: Thomas Beatty, 10/10/2016-10/10/2018, \$10,300

"Near-IR spectroscopy of the newly discovered benchmark hot Jupiter WASP-103b", Grant associated with award of *Hubble Space Telescope* time, (transfer of balance of grant from departed research associate)10/1/2016-9/30/2018, \$45,840

“Contemporaneous K2 and WIYN/Hydra measurements of stellar rotation and magnetic activity of 3 Gyr Sunlike stars in Ruprecht 147” — Science PI: Jason Curtis. Grant associated with receipt of NN-EXPLORE WIYN time, 2/12/2016-1/1/2018. \$19,400

“A Spitzer Transit of the Most Inflated Planet Known, Around an Extremely Bright Sub-Giant Star” — Science PI: Thomas Beatty. Grant associated with receipt of *Spitzer Space Telescope* time, 03/15/2016-09/30/2017. \$10,000

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“A New Method to Measure H-Ks Color of Daysides of Hot Jupiters” — grant associated with receipt of NASA WIYN time. 02/12/2016—01/01/2018. Science PI: Thomas Beatty. \$5,000

“K2 monitoring of known transiting planet phase curves and bright planet hosts” grant associated with receipt of K2 observations. Science PI: Thomas Beatty 02/05/2016–02/04/2017— \$14,000

“K2 survey of Ruprecht 147 — the oldest nearby star cluster” Science PI: Jason Curtis, grant associated with receipt of K2 large program 02/05/2016-02/04/2017 \$100,000

“Bridging the Gap between Stellar/Solar Astrophysics and Exoplanet Science as the Path to Finding Earth's Twins” ROSES-2015 Topical Workshops, Symposia, and Conferences NNH15ZDA001N \$10,008 08/01/2016–07/31/2017

“Study of Small and Cool Kepler Planet Candidates with High Resolution Imaging” *Hubble Space Telescope* Cycle 21, STScI, Science-PI Ronald Gilliland: \$157,873 11/1/2012–10/31/2015. Co-I's: David Ciardi, Elisabeth Adams, Natalie Batalha, William Borucki, Timothy Brown, David Charbonneau, Jean-Michel Desert, Andrea Dupree, Francois Fressin, Nick Gautier, Matthew Holman, Jon Jenkins, Paul Kalas, David Latham, Jack Lissauer, Geoffrey Marcy, Jason Rowe, Guillermo Torres

“Near-IR Spectroscopy of the Highly Inflated, Hottest Known Jupiter KOI-13.01” *Hubble Space Telescope* Cycle 21, STScI, Science-PI Ming Zhao: \$82,000 (\$51,889 to PSU) 10/1/2013–9/30/2014. Co-I's: Heather Knutson, Ronald Gilliland, Nikku Madhusudhan, Avi Shporer

“Extending Spitzer from the Ground: A Novel Technique for Probing Exoplanetary Atmospheres” NASA Origins of Solar Systems, Science-PI: Ming Zhao, \$374,094 1/1/2014–12/31/2016. Co-I's: Heather Knutson, Travis Barman, John Monnier,

“A New View on Stellar Activity and Variability: Opening New Planet Discovery Domains” STScI Hubble Fellowship for Fabienne Bastien, \$126,481/yr. 8/18/2014–8/17/2015, renewable for up to 3 years.

“From Flicker to Jitter: Predicting Stellar Radial Variations from Photometric Variability” NASA XRP (Science PI: Fabienne Bastien) \$151,140, 9/1/2014–9/30/2017

“Phase Curve Observations of the Irradiated Transiting Brown Dwarf KELT-1*b*” Spitzer Cycle, JPL, Science-PI Thomas Beatty: \$10,000, 5/19/2015–9/30/2017



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## Grants awarded as co-I

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“Characterizing Atmospheric Technosignatures”, NASA Exobiology, 01/01/2020–12/31/2021, \$17,455, subaward from University of Rochester, PI: Adam Frank

“TechnoClimes: A Workshop to Develop a Research Agenda for Non-Radio Technosignatures” NASA Exobiology, 05/01/2020-04/30/2021, PI: Jacob Haqq-Misra

“Developing Predictors of Radial Velocity Jitter from K2 Light Curves”, grant associated with the award of NASA K2 telescope time, 02/05/2018–12/10/2018, \$30,000, Administrative PI: Fabienne Bastien, Science PI: Jacob Luhn

“Towards Tranquil Terrestrial Worlds Orbiting Tiny, Turbulent Stars: Next-Generation Algorithms to Reveal Nearby ExoEarths Using Near-Infrared Doppler Spectroscopy”, Heising-Simons Foundation, 12/1/2017–11/30/2020, \$350,550, PI: Suvrath Mahadevan

“Kepler AutoRegressive Planet Search”, NASA, \$61,032, PI: Eric Feigelson

“Custom Spectrograph Room for MINERVA, a dedicated exoplanet observatory," Mt. Cuba Astronomical Foundation, Nonprofit Foundations. Total requested: \$122,894.00. (Funds were awarded directly to the Smithsonian Astrophysical Observatory)

“Advanced Statistics in the Search for Planets”, NSF, PI: Eric Feigelson, 10/1/2016-9/30/2019, \$357,027

“MRI: Acquisition of High Performance Hybrid Computing Cluster to Advance Cyber-enabled Science and Education at Penn State”, NSF, Science-PI: Yuexing Li, 10/1/2016-9/30/2019, \$920,688

“NEID: NN-EXPLORE Exoplanet Investigations with Doppler Spectroscopy” ROSES-2015-D.14 Extreme Precision Doppler Spectrometer Instrument, PI: Suvrath Mahadevan 04/15/2016–06/30/2019 \$9,695,894

AAS International Travel grant to attend IAU General Assembly (2015) \$1,750

“MRI: Development of the Habitable Zone Planet Finder Spectrograph for the Hobby-Eberly Telescope” NSF MRI, PI: Suvrath Mahadevan, \$3,339,364, 09/1/2011-08/31/2015. Co-I's: Larry Ramsey, Michael Endl, Aleksander Wolszczan.

## JASON THOMAS WRIGHT—CV

“The Rocky Planet Survey” NASA Origins of Solar Systems, PI: Debra Fischer, PSU subaward from Yale University \$36,227, 05/1/2012–4/30/2014. No co-I’s on subaward.

“Chiron Planet Search,” NSF AAG PI: Debra Fischer, \$895,881, PSU subaward from Yale University \$17,416, 09/15/2011-08/31/2012. No co-I’s on subaward.

“XO Project: Discovery and Characterization of Transiting Extrasolar Planets” NASA Origins of Solar Systems, PI: Peter McCullough (2009), No PSU support

“Properties of Super Earths: Putting Rocky Planets on Solid Ground” NASA Origins of Solar Systems, PI: Geoffrey Marcy (2009), No PSU support

“A Close Look At Middle-Aged Coronae: The Nearby 2.5 Gyr Old Cluster Ruprecht 147” *Chandra X-ray Observatory* Cycle 13, Chandra X-ray Center, PI: Steve Saar, No PSU support

“Testing Star-Planet Interaction in Solar Analogs” *Chandra X-ray Observatory* Cycle 13, Chandra X-ray Center, PI: Brendan Miller, PSU subaward \$19,650. No co-I’s on subaward.

## JASON THOMAS WRIGHT—CV

### Fellowships and small grants and prizes awarded directly to supervised personnel

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Jason Curtis:

- NSF Astronomy and Astrophysics Postdoctoral Research Fellowship (to Columbia University)
- Chambliss Graduate Student Poster Medal — 2014
- NSF Graduate Research Fellowship
- Student registration support for “400 Years of Stellar Rotation” in Natal, Brazil, US\$108 — 2013
- Zaccheus Daniel Travel Grant (\$550) - July 2012
- Zaccheus Daniel Travel Grant (\$750) - July 2011
- Stephen. B Brumbach Graduate Fellowship (\$2000) - May 2011
- Zaccheus Daniel Travel Grant (\$650) - Aug. 2010
- Cool Stars 17 Travel Support - Funding provided by the NASA Astrobiology Institute (\$750) - May 2012

Sharon Wang:

- Carnegie DTM Postdoctoral Fellowship in Astronomy and Planetary Science
- CEHW Small Research Grant (\$1,000) — 2015
- Nasa Earth and Space Science Fellowship (\$30,000/yr, up to 3 years) – 2014
- Zaccheus Daniel Travel Grant (\$700) – 2013
- Downsborough Graduate Fellowship (\$2000) – 2013
- PSU Graduate Exhibition First Prize in Physical Sciences and Mathematics (\$500) — 2013
- Zaccheus Daniel Travel Grant (\$1000) – 2011
- Stephen B. Brumbach Fellowship (\$2000) – 2010

Jacob Luhn:

- Zaccheus Daniel Award (\$900)
- CEHW Small Grant (\$800)
- Funds for Sagan Summer Workshop (\$1216) — 2016
- NSF Graduate Research Fellowship
- Best poster, 20th Cambridge Workshop on Cool Stellar Systems and the Sun

Kimberly (Star) Cartier:

- Chambliss Graduate Student Poster Medal — 2017
- CEHW Small Research Grant (\$988) – 2013

## JASON THOMAS WRIGHT—CV

### Grants and prizes awarded directly to supervised personnel (continued)

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Ming Zhao:

- 3rd Prize, Postdoctoral Research Exhibition — 2013
- CEHW Small Research Grant (\$910) — 2013
- CEHW Small Research Grant (\$1150) — 2013
- AAS Small Research Grant (\$4470) — 2012
- AAS Small Research Grant (\$3640) — 2012

Thomas Beatty:

- AAS Small Research Grant (\$3640) — 2012

Shivani Shah:

- Undergraduate Research Award (\$1000) — 2016

Leo (Jiyu) Liu:

- Zaccheus Daniel Travel Grant (\$1000) – 2017

Sofia Sheikh:

- Zaccheus Daniel Travel Grant (\$315) —2019
- College and departmental travel funding (\$150)—2019

Noah Tuchow:

- Blumberg Grant in Astrobiology (\$2000)—2020
- AAS International Travel Grant (TBD)—2020

### Invited appearances at conferences, schools, and symposia

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RV Planet Signal Finding Sagan Summer Virtual Workshop, Online, July 21, 2020

[https://www.youtube.com/watch?v=e-\\_htXul\\_fk](https://www.youtube.com/watch?v=e-_htXul_fk)

SETI and Technosignatures Short Course, “Data-Driven Approaches to Searches for the Technosignatures of Advanced Civilizations”, Keck Institute for Space Science Workshop, Pasadena, CA May 20 2019 (delivered by Sofia Sheikh)

Searches for Habitable Planets (and some SETI) Moonshots and Earthshots in the Search for Life Beyond Earth, Green Bank, WV July 20-23, 2019

Panelist, SETI, Moonshots and Earthshots in the Search for Life Beyond Earth, Green Bank, WV July 20-23, 2019

# JASON THOMAS WRIGHT—CV

## Invited appearances at conferences, schools, and symposia (continued)

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Artifact SETI as a Fruitful Complement to Communication SETI 42nd COSPAR Scientific Assembly, Pasadena, CA, July 20, 2018

Welcome and Valediction, Third Workshop on Precise Radial Velocities, University Park, PA, Aug 14–17, 2017

Panelist, 2017 Breakthrough Discuss conference, Stanford, CA

Twenty Years of Precise Radial Velocities at Keck and Lick Observatories Twenty Years of Giant Exoplanets, Observatoire de Haute-Provence, 4 October 2015  
[arXiv:1603.08384](https://arxiv.org/abs/1603.08384)

Magnetism and Activity of Planet-Hosting Stars invited review talk, Symposium 320: Magnetic Field Structure Dynamics and Flaring Regions, Talk 3.03, International Astronomical Union General Assembly, Honolulu, HI, August 2015

Exoplanets: Past, Present, and Future keynote presentation to the Central Pennsylvania Consortium Astronomers' Meeting, Dickinson College, April 25, 2015

The G-HAT Search for Extraterrestrial Civilizations, Progress Report talk, New Frontiers in Astronomy and Cosmology Progress Report, Chicago, IL, June 18, 2014

Constraining the Abundance of Kardashev Type II and III Civilizations  
From Large Area Infrared Surveys, award presentation, New Frontiers in Astronomy and Cosmology Awards Ceremony, Philadelphia, PA, October 13, 2012

Stellar Jitter, Workshop on the Astronomy of Exoplanets with Precise Radial Velocities, Penn State, University Park, August 2010

Observational Constraints on Theories of Planet Migration and Dynamical Evolution, solicited oral presentation, *Ishigaki International Conference on Evolving Planet Formation Theory*, Ishigaki, Okinawa Prefect, Japan, June 2010

Observational Constraints on Theories of Planet Migration and Dynamical Evolution, solicited oral presentation, Exoplanets: Observation, Characterization, and Habitability, EGU General Assembly, Vienna, Austria, May 2010

## JASON THOMAS WRIGHT—CV

Planetary Systems in the Solar Neighborhood, invited oral presentation, *Putting the Solar System in Context: Origin, Dynamical and Physical Evolution of Multiple Planet Systems*, Universitätzentrum, Obergurgl, Austria, April 2010

Instructor, Winter School on Exoplanets, Theoretical Institute for Advanced Research in Astrophysics, National Tsing Hua University, Hsinchu, Taiwan, Jan 2008

Multiple Planet Systems invited oral presentation, *Extrasolar Planets in Multi-Body Systems: Theory and Observations*, Toruń, Poland, 2008

Multiple Planet Systems and the Search for Solar System Analogs invited oral presentation, *Extreme Solar Systems*, Santorini, Greece, 2007

Maunder Minimum Stars Revisited: Calibrating Ca II H & K Measures invited oral presentation, Joint Discussion 8, IAU XXVIth General Assembly, Prague, Czech Republic, 2006

### **Invited appearances at departmental talk series**

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Penn State, Extraterrestrial Intelligence Center Seminar, October 2020  
Penn State, Extraterrestrial Intelligence Center Seminar, September 2020  
Harvard University, CfA Colloquium, November 2018  
Case Western Reserve University, Astronomy Colloquium, November 2017  
Arizona State University, special technical talk, October 2017  
Arizona State University, SESE Colloquium, October 2017  
University of Rochester, Astronomy Colloquium, September 2017  
UC Berkeley Weekly SETI Talk, May 2017  
UC Berkeley Weekly SETI Talk, April 2017  
National Radio Astronomical Observatory/UVA Joint Colloquium, March 2017  
National Radio Astronomical Observatory Lunch Talk, March 2017  
UC San Diego Astrophysics Seminar, February 2017  
SETI Institute Weekly Colloquium, August 2016  
Columbia University Astrophysics Colloquium, April 2016  
Adler Planetarium Colloquium, January 2016  
Carnegie Institute of Washington DTM Seminar, November 2015  
Ohio University Astronomy and Physics Colloquium, April 2015  
McGill University Joint Astrophysics Seminar, February 2015  
Fermilab Astrophysics Seminar, June 2014  
UCSD Physics Astronomy Journal Club, June 2014  
Cal Poly Pomona Physics & Astronomy Seminar, June 2014  
UCLA Physics & Astronomy Colloquium, June 2014  
Rutgers University Astronomy Seminar, April 2014

## JASON THOMAS WRIGHT—CV

### Invited appearances at departmental talk series (continued)

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Space Telescope Science Institute, Star and Planet Formation Seminar March, 2014  
Yale University, Astronomy Department Special Seminar, March 2014  
American Museum of Natural History, Astrophysics Seminar, March 2014  
University of Delaware, Physics & Astronomy Colloquium, February 2014  
Penn State Abington, Special Seminar, February 2014  
University of Washington Astronomy, Colloquium, January 2014  
Bucknell University, Physics and Astronomy Coffee Talk, January 2014  
University of Rochester, Physics and Astronomy Colloquium, November 2013  
UC Berkeley Space Sciences Laboratory / Astronomy SETI Lunch Talk, November 2013  
San Francisco State University Physics and Astronomy Colloquium, November 2013  
NASA Ames Kepler Science Operations Lunch Talk, November 2013  
University of California Santa Cruz Special Colloquium, November 2013  
University of Texas at Austin Astronomy Department Colloquium, October 2013  
Harvard-Smithsonian CfA ITC Lunch Talk, September 2013  
Harvard-Smithsonian CfA ITC Colloquium, September 2013  
University of Virginia / NRAO Wednesday Lunch Talk, June 2013  
Caltech GPS Seminar, April 2013  
Caltech Yuk Lunch Talk, April 2013  
NExSci Wednesday Lunch Talk, April 2013  
NASA Goddard Exoplanet Club, March 2013  
Penn State *Swift* MOC talk, March 2013  
University of Michigan Astronomy Colloquium November 2012  
University of Michigan Special Seminar November 2012  
University of Toledo Astronomy Colloquium October 2012  
University of Pittsburgh Pitt-CMU Joint Physics/Astronomy Colloquium September 2012  
University of Michigan Special Seminar July 2012  
University of Florida Special Seminar July 2012  
Franklin and Marshall College Physics Department Colloquium, April 2012  
Gettysburg College Physics Department Colloquium, April 2012  
University of Florida Special Seminar July 2010  
Caltech Astronomy Department Colloquium, March 2010  
Maryland Astronomy Department Colloquium, March 2010  
Penn State University Astronomy Department Special Seminar December 2008  
Boston University Astronomy Department Colloquium, October 2008  
Cornell University Astronomy Department Galaxy/Star Lunch, January 2008  
Lawrence Livermore National Lab IGPP Colloquium, November 2007  
UC Berkeley Center for Integrated Planetary Science Lunch Talk, Spring 2007  
Princeton ISM/Star Formation Lunch, January 2007  
Lawrence Berkeley National Lab - INPA Lunch Talk, November 2006  
Center for Astrophysics Special Seminar, October 2006  
Center for Astrophysics SSP Seminar, October 2006

# JASON THOMAS WRIGHT—CV

## Invited appearances at departmental talk series (continued)

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The Ohio State University Astronomy Department Colloquium, October 2006  
Lowell Observatory Colloquium, October 2004

## Personal telescope experience

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Palomar, 5-m:

- optical high resolution spectroscopy with the East Arm Echelle and DoubleSpec
- near IR imaging and low resolution spectroscopy with TripleSpec
- externally dispersed interferometry with TEDI
- near IR imaging with WIRC (diffuser, grism, polarimetry)

Leuschner 0.8-m: optical camera

Lick 3-m: optical, high-resolution spectroscopy with the Hamilton Spectrograph

MMT 6.5-m:

- Multi-object high-resolution spectroscopy with HectoChelle

Keck, 10-m:

- optical high resolution spectroscopy with HIRES
- near IR high resolution spectroscopy with NIRSPEC

HET, 9-m: optical high resolution spectroscopy with HRS (queue observing)

Green Bank Telescope

- L,S,C,X,Ku band SETI observations with Breakthrough Listen Backend (2.5 GHz bandwidth)

WIYN 3.5 m Telescope

- NEID queue observing



JASON THOMAS WRIGHT—PUBLICATIONS

Not-Yet-Published Papers

Self and supervised researchers in **bold**

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**Submitted**

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The NEID precision radial velocity spectrometer: Commissioning of the Port Adapter  
Sarah E. Logsdon *SPIE*

The NEID spectrometer: fibre injection system design Christian Schwab *SPIE*

The Habitable-Zone Planet Finder: technical update and science results following 18-  
months of science operations Chad Bender *SPIE*

Proposals for future mission concepts to search for technosignatures Socas-Navarro, *Acta  
Astronautica*

**Accepted / in press**

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The California Legacy Survey I. A Catalog of 180 Planets from Precision Radial Velocity  
Monitoring of 719 Nearby Stars over Three Decades Lee J. Rosenthal and many others  
including **Jason T. Wright** *AAS Journals*

Target Prioritization and Observing Strategies for the NEID Earth Twin Survey **Arvind  
Gupta, Jason T. Wright**, and 17 other authors. *AAS Journals*

A Framework for Relative Biosignature Yields from Future Direct Imaging Missions  
**Noah W. Tuchow & Jason T. Wright** 2020 *ApJ* [arXiv:2010.13762](https://arxiv.org/abs/2010.13762)

## JASON THOMAS WRIGHT—PUBLICATIONS

### Articles in the popular press

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“Galactic Settlement and the Fermi Paradox” **Jason T. Wright** *Nautilus* January 16, 2020 <http://nautil.us/issue/80/aliens/galactic-settlement-and-the-fermi-paradox>

“Commentary: High journal acceptance rates are good for science” **Jason T. Wright** 2019 Readers’ Forum *Physics Today* **73**, 2, 10 <https://doi.org/10.1063/PT.3.4400>

“Yes, I’m searching for aliens—and no, I won’t be going to Area 51 to look for them” **Jason T. Wright** *The Conversation* <https://theconversation.com/yes-im-searching-for-aliens-and-no-i-wont-be-going-to-area-51-to-look-for-them-120584>

“Wanting funds to ‘look everywhere’” **Jason T. Wright** 2019 Readers’ Forum *Physics Today* **72**, 6, 12 <https://doi.org/10.1063/PT.3.4216>

“Rediscovering the roots of our work” **Jason T. Wright** 2019 Readers’ Forum *Physics Today* **72**, 5, 12 <https://doi.org/10.1063/PT.3.4195>

Book Review: *The Great Silence: The Science and Philosophy of Fermi's Paradox* by Milan Ćirković. **Jason T. Wright** *Origins of Life and Evolution of Biospheres* 2018 [doi:10.1007/s11084-018-9568-3](https://doi.org/10.1007/s11084-018-9568-3)

“NASA Should Start Funding SETI Again” **Jason T. Wright** 2018 Observations, *Scientific American* <https://blogs.scientificamerican.com/observations/nasa-should-start-funding-seti-again/>

“Explaining a few discoveries” **Jason T. Wright** 2017 Readers’ Forum *Physics Today* **70**, 9, 13 <https://doi.org/10.1063/PT.3.3679>

“Is it Ethical to Transmit Powerful Radio Signals?” **Jason T. Wright** “Ask the Ethicist” *Rock Ethics Institute* <http://rocketethics.psu.edu/everyday-ethics/is-it-ethical-to-transmit-powerful-radio-signals-1>

“The Voyager Golden Records Forty Years Later: Real audience was always here on Earth” **Jason T. Wright** *The Conversation*, <https://theconversation.com/voyager-golden-records-40-years-later-real-audience-was-always-here-on-earth-79886>

“Some things will last a very long time” **Jason T. Wright** May 2017 *Always Never Yesterday* Issue 10 [https://docs.wixstatic.com/ugd/c2f9a8\\_f1b7f402a1e244f9a1bcc678faaff57.pdf](https://docs.wixstatic.com/ugd/c2f9a8_f1b7f402a1e244f9a1bcc678faaff57.pdf)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Articles in the popular press**

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“Strange News from Another Star” **Kimberley Cartier** and **Jason T. Wright** May 2017 print issue of *Scientific American* pp. 36-41. <https://www.scientificamerican.com/article/have-aliens-built-huge-structures-around-boyajian-s-star/>

“An Update From the Astronomers Who Proposed the Alien Megastructures: Where the quest to understand the most mysterious star in the galaxy stands today.” **Jason T. Wright** and **Kimberly M. S. Cartier** May 12, 2016 *The Atlantic* online, <http://www.theatlantic.com/science/archive/2016/05/the-most-mysterious-star-in-our-galaxy/482397/>

“When Did Life on Earth Begin?” **Kimberly M. S. Cartier** and **Jason T. Wright** December 2016 *Nautilus Quarterly*. Online at <http://cosmos.nautil.us/feature/76/when-did-life-on-earth-begin>

“This is Golden Age of Astronomy” **Jason T. Wright** “Focus on Research” 13 April 2012 *Centre Daily Times*

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Major Primary-Author and Supervised Publications**  
Self and supervised researchers in **bold**

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ORCID: [0000-0001-6160-5888](https://orcid.org/0000-0001-6160-5888)

For a complete list, go to <https://ui.adsabs.harvard.edu/public-libraries/eDQzvP-xSG26fhMkFxJaPg>.

Planck Frequencies as Schelling Points in SETI **Jason T. Wright** 2020 *International Journal of Astrobiology* **19** 446-455

Barycentric Corrections for Precise Radial Velocity Measurements of Sunlight **Jason T. Wright** and Shubham Kanodia *Planetary Science Journal* **1** 38

Dyson Spheres **Jason T Wright** Invited Review 2020 *Serbian Astronomical Journal* **200** 1–18

Properties of F Stars with Stable Radial Velocity Time Series: A Useful Metric for Selecting Low Jitter F Stars **Jacob K. Luhn** and **Jason T. Wright** 2020 *AJ* **159** 236 (8 pp)

Astrophysical Insights into Radial Velocity Jitter from an Analysis of 650 Planet-Search Stars **Jacob K. Luhn**, **Jason T. Wright**, Andrew W. Howard, and Howard Isaacson 2020 *AJ* **159** 235 (33pp)

Calibrating Iodine Cells for Precise Radial Velocities **Sharon Xuesong Wang**, **Jason T. Wright**, Phillip MacQueen, William Cochran, David Doss, Coyne Gibson, Joseph Schmitt 2020 *PASP* **132** 014503 (14pp)

The Effects of Telluric Contamination in Iodine Calibrated Precise Radial Velocities **Sharon Xuesong Wang**, **Jason T. Wright**, Chad Bender, Andrew W. Howard, Howard Isaacson, Mark Veyette, and Philip S. Muirhead 2019 *AJ* **158** 216 (13pp)

Choosing a Maximum Drift Rate in a SETI Search: Astrophysical Considerations **Sofia Z. Sheikh**, **Jason T. Wright**, Andrew Siemion, J. Emilio Enriquez 2019 *ApJ* **884** 1 (16pp)

Towards a Comprehensive Bibliography for SETI **Alan Reyes**, **Jason T. Wright** 2019 *Journal of the British Interplanetary Society* **72** 186–189

Searches for Technosignatures: The State of the Profession **Jason T. Wright** 2019 Astro2020 White Paper, *Bulletin of the American Astronomical Society* **51(7)**, 39 (10pp)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Major Primary-Author and Supervised Publications (continued)**  
Self and supervised researchers in **bold**

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Advances in Precise Radial Velocimetry From Cross-Disciplinary Work in Heliophysics, Stellar Astronomy, and Instrumentation **Jason T. Wright** and Steinn Sigurdsson 2019 NAS Exoplanet Science Strategy white paper [arXiv:1907.04635](https://arxiv.org/abs/1907.04635) (5 pp)

Technosignatures in the Thermal Infrared **Jason T. Wright**, Erik Zackrisson, Casey Lisse 2019 Astro2020 White Paper, *Bulletins of the American Astronomical Society* **51(3)**, 366 (5 pp)

Technosignatures in Transit **Jason T. Wright**, David Kipping 2019 Astro2020 White Paper, *Bulletins of the American Astronomical Society* **51(3)**, 343 (5 pp)

Searches for Technosignatures in Astronomy and Astrophysics **Jason T. Wright** 2019 Astro2020 White Paper, *Bulletins of the American Astronomical Society* **51(3)**, 389 (5 pp)

Retired A Stars and Their Companions VIII: 15 New Planetary Signals Around Subgiants and Transit Parameters for California Planet Search Planets with Subgiant Hosts **Jacob Luhn**, Fabienne Bastien, **Jason T. Wright**, John Asher Johnson, Andrew W. Howard, Howard Isaacson 2019 *AJ* **157**, 149 (22 pp)

NASA and the Search for Technosignatures: A Report from the NASA Technosignatures Workshop NASA Technosignatures Workshop Participants (eds. **Jason T. Wright** and Dawn Gelino) 2018 [arXiv:1812.08681](https://arxiv.org/abs/1812.08681) (67 pp)

How Much SETI Has Been Done? Finding Needles in the  $n$ -Dimensional Cosmic Haystack **Jason T. Wright**, **Shubham Kanodia**, and **Emily Lubar** 2018 *AJ* **156**, 6 (20 pp)

Recommendations from the Ad Hoc Committee on SETI Nomenclature **Jason T. Wright**, **Sofia Sheikh**, Iván Almár, Kathryn Denning, Steven Dick, Jill Tarter, 2018 [arXiv:1809.06857](https://arxiv.org/abs/1809.06857) (10 pp)

Inferring the Composition of Disintegrating Planet Interiors from Dust Tails with Future James Webb Space Telescope Observations **Eva Bodman**, **Jason T. Wright**, Steven J. Desch, Carey M. Lisse 2018 *AJ* **156**, 173 (8 pp)

HD 4915: A Maunder Minimum Candidate **Shivani P. Shah**, **Jason T. Wright**, Andrew W. Howard, Howard Isaacson, Jason L. Curtis 2018 *ApJL* **863**, 26 (5pp)

Taxonomy and Jargon in SETI as an Interdisciplinary Field of Study **Jason T. Wright** 2018b White paper accepted to *Community Input for the Advancement of the Search for Intelligent Life in the Universe, and the Creation of a Multidisciplinary Virtual Institute for SETI Research* ed. Natalie Cabrol [arXiv:1803.06972](https://arxiv.org/abs/1803.06972) (3 pp)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Major Primary-Author and Supervised Publications (continued)**  
Self and supervised researchers in **bold**

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Visions of Human Futures in Space and SETI **Jason T. Wright** and Michael P. Oman-Reagan 2018, *International Journal of Astrobiology* **17**, 117–188

SETI Is Part of Astrobiology **Jason T. Wright** 2018 submitted as a white paper to the National Academies of Sciences, Engineering, and Medicine ad hoc Committee on Astrobiology Science Strategy for Life in the Universe, 2018. [arXiv:1801.04868](https://arxiv.org/abs/1801.04868) (5 pp)

Prior Indigenous Technological Species **Jason T. Wright** 2018 *International Journal of Astrobiology* **17**, 96–100

The Variable Wavelength Dependence of the Dipping event of KIC 8462852 **Eva Bodman, Jason T. Wright**, Tabettha S. Boyajian, Tyler G. Ellis 2018 [arXiv:1806.08842](https://arxiv.org/abs/1806.08842) (21 pp)

Radial Velocities as an Exoplanet Discovery Method **Jason T. Wright** 2017 *Handbook of Exoplanets* eds. Hans J. Deeg and Juan Antonio Belmonte, pp. 1–13, Springer [arXiv:1707.07983](https://arxiv.org/abs/1707.07983)

Evidence for Atmospheric Cold-Trap Processes in the Non-Inverted Emission Spectrum of Kepler-13 AB Using HST/WFC3 **Thomas G. Beatty**, Nikku Madhusdhan, Angelos Tsaras, **Ming Zhao**, Ronald L. Gilliland, Heather A. Knutson, Avi Shporer, **Jason T. Wright** 2017, *AJ* **154**, 158 (15 pp)

Exoplanets and SETI **Jason T. Wright** 2017 *Handbook of Exoplanets* eds. Hans J. Deeg and Juan Antonio Belmonte, Springer 10.1007/978-3-319-30648-3\_186-1, [arXiv:1707.02175](https://arxiv.org/abs/1707.02175) (9 pp)

Near-infrared Emission Spectrum of WASP-103b using Hubble Space Telescope/Wide Field Camera 3 **Kimberly M. S. Cartier, Thomas G. Beatty, Ming Zhao**, Michael Line, Henry Ngo, Dimitri Mawet, Keivan G. Stassun, **Jason T. Wright**, Laura Kreidberg, Jonathan Fortney, Heather Knutson 2016 *AJ* **153**, 34 (18 pp)

Families of Plausible Solutions to the Puzzle of Boyajian’s Star **Jason T. Wright & Steinn Sigurðsson** 2016 *ApJL* **829**, 1 (12 pp)

The Putative Old, Nearby Star Cluster Lodén 1 Does Not Exist **Eunkyu Han, Jason L. Curtis, Jason T. Wright** 2016 *AJ* **152**, 7 (12 pp)

The  $\hat{G}$  Infrared Search for Extraterrestrial Civilizations with Large Energy Supplies. IV. The Signatures and Information Content of Transiting Megastructures **Jason T. Wright, Kimberly M. S. Cartier, Ming Zhao**, Daniel Jontof-Hutter, Eric B. Ford 2016 *ApJ* **816**, 17 (22 pp)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Major Primary-Author and Supervised Publications (continued)**  
Self and supervised researchers in **bold**

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Magnetism and Activity of Planet Hosting Stars **Jason T. Wright**, Brendan Miller, “Solar and Stellar Flares and Their Effects on Planets,” 2015 Proceedings IAU Symposium No. 320, pp. 357–366

The  $\hat{G}$  Infrared Search for Extraterrestrial Civilizations with Large Energy Supplies. III. The Reddest Extended Sources in *WISE* **Roger Griffith, Jason T. Wright**, Jessica Maldonado, Matthew S. Povich, Steinn Sigurðsson, **Brendan Mullan** 2015 *ApJS* **217**, 25 (34 pp)

The California Planet Survey IV: A Planet Orbiting the Giant Star HD 145934 and Updates to 7 Systems with Long-Period Planets **Y. Katherina Feng, Jason T. Wright, Benjamin Nelson**, Eric B. Ford, Geoffrey W. Marcy, Howard Isaacson, Andrew Howard 2015 *ApJ* **800**, 22 (14 pp)

Barycentric Corrections at 1 cm/s for precise Doppler velocities **Jason T. Wright** and Jason Eastman, 2014 *PASP* **126**, 838–852

The Exoplanet Orbit Database II: Updates to exoplanets.org **Eunkyoo Han, Sharon Xuesong Wang, Jason T. Wright, Y. Katherina Feng, Ming Zhao**, Onsi Fakhouri, **Jacob I. Brown, Colin Hancock** 2014 *PASP* **126**, 827–837

The  $\hat{G}$  Infrared Search for Extraterrestrial Civilizations with Large Energy Supplies. I. Background and Justification, **Jason T. Wright, Brendan Mullan**, Steinn Sigurðsson, Matthew S. Povich 2014 *ApJ*, **792**, 26, 16pp

The  $\hat{G}$  Infrared Search for Extraterrestrial Civilizations with Large Energy Supplies. II. Framework, Strategy, and First Result, **Jason T. Wright, Roger Griffith**, Steinn Sigurðsson, Matthew S. Povich, **Brendan Mullan** 2014 *ApJ*, **792**, 27, 12pp

Earthshine on a Young Moon: Explaining the Lunar Farside Highlands **Arpita Roy, Jason T. Wright**, Steinn Sigurðsson 2014 *ApJL* **788**, 42-44

MARVELS-1: A Face-on Double-lined Binary Star Masquerading as a Resonant Planetary System and Consideration of Rare False Positives in Radial Velocity Planet Searches **Jason T. Wright, Arpita Roy**, Suvrath Mahadevan, **Sharon (Xuesong) Wang**, Eric B. Ford, Matthew Payne, Brian L. Lee, Ji Wang, Justin R. Crepp, B. Scott Gaudi, and 17 other co-authors, 2013 *ApJ* **770**, 119-139

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Major Primary-Author and Supervised Publications (continued)**  
Self and supervised researchers in **bold**

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Ruprecht 147: The Oldest Nearby Open Cluster as a New Benchmark for Stellar Astrophysics **Jason L. Curtis, Angie Wolfgang, Jason T. Wright**, John M. Brewer, John Asher Johnson, 2012, *AJ* **145**, 134-159

Exoplanet Detection Methods **Jason T. Wright** and B. Scott Gaudi, Chapter 59 of *Planets, Stars, and Stellar Systems* (T. Oswalt, ed.) Springer-Verlag, Berlin, Heidelberg 2012 ([arXiv:1210.2471](https://arxiv.org/abs/1210.2471)), 60 pp.

The Discovery of HD 37605c and a Dispositive Null Detection of Transits of HD 37605b, **Sharon X. Wang, Jason T. Wright**, William Cochran, Stephen R. Kane, Gregory W. Henry, Matthew J. Payne, Jeff A Valenti, Victoria Antoci, Andrew W. Howard, Geoffrey W. Marcy, Howard Isaacson, Diana Dragomir, Jaymie M. Matthews, Eric B. Ford, Suvrath Mahadevan, Michael Endl, Phillip J. MacQueen, Kaspar von Braun, 2012 *ApJ* **761**, 46-58

The Frequency of Hot Jupiters orbiting F, G, and K Stars in the Solar Neighborhood, **Jason T. Wright**, Geoffrey W. Marcy, Andrew W. Howard, John Asher Johnson, Tim D. Morton, Debra A. Fischer 2012 *ApJ* **753**, 160-164

Non-detection of the Putative Substellar Companion to HD 149382 **Jackson M. Norris, Jason T. Wright**, Richard A. Wade, Suvrath Mahadevan and **Sara Gettel**, 2011 *ApJ* **743**, 88-93

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**Major Primary-Author and Supervised Publications (continued)**  
Self and supervised researchers in **bold**

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Ten New and Updated Multi-Planet Systems, and a Survey of Exoplanetary Systems, **Jason T. Wright**, Suneet Upadhyay, Geoffrey W. Marcy, Debra A. Fischer, Eric B. Ford, John Asher Johnson, 2009 *ApJ*, **693**, 1084-1099

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The Jupiter Twin HD 154345b, **Jason T. Wright**, Geoffrey W. Marcy, R. Paul Butler, Steve S. Vogt, Gregory W. Henry, Howard Isaacson, Andrew W. Howard, 2008 *ApJ* **683**, 63-66

Four New Exoplanets and Hints of Additional Substellar Companions to Exoplanet Host Stars **Jason T. Wright**, Geoffrey W. Marcy, Debra A. Fischer, R. Paul Butler, Steven S. Vogt, Chris G. Tinney, Hugh R. A. Jones, Brad D. Carter, John Asher Johnson, Chris McCarthy, Kevin Apps, 2007 *ApJ* **657**, 533-545

Catalog of Nearby Exoplanets R. Paul Butler, **Jason T. Wright**, Geoffrey W. Marcy, Debra A. Fischer, Steve S. Vogt, Chris G. Tinney, Hugh R. A. Jones, Brad D. Carter, John Asher Johnson, Chris McCarthy, Alan J. Penny, 2006 *ApJ* **646**, 505-522

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Self and supervised researchers in **bold**

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A Mini-Neptune and a Venus-Zone Planet in the Radius Valley Orbiting the Nearby M2-dwarf TOI-1266: Validation with the Habitable-zone Planet Finder Gudmundur Stefansson, Ravi Kopparapu, Andrea Lin, Suvrath Mahadevan, Caleb Cañas, Shubham Kanodia, Joe Ninan, William Cochran, Michael Endl, Leslie Hebb, John Wisniewski, **Arvind Gupta**, Mark Everett, Chad Bender, Scott Diddams, Eric Ford, Connor Fredrick, Samuel Halverson, Fred Hearty, Eric Levi, Marissa Maney, Andrew Metcalf, Andrew Monson, Lawrence Ramsey, Paul Robertson, Arpita Roy, Christian Schwab, Ryan Terrien, and **Jason T. Wright** *AJ* **160** 259 (19 pp)

The HD 217107 Planetary System: Twenty Years of Radial Velocity Measurements Mark R. Giovinazzi, Cullen H. Blake, Jason D. Eastman, **Jason T. Wright**, Nate McCrady, Rob Wittenmyer, John A. Johnson, Peter Plavchan, David H. Sliski, Maurice L. Wilson, Samson A. Johnson, Jonathan Horner, Stephen R. Kane, Audrey Houghton, Juliana García-Mejía, Joseph P. Glaser 2020 *Astronomische Nachrichten* **341** 870 (9 pp)

An Extreme-mass Ratio, Short-period Eclipsing Binary Consisting of a B Dwarf Primary and a Pre-main Sequence M Star Companion Discovered by KELT **Daniel S. Stevens**, George Zhou, Marshall C. Johnson, Aaron C. Rizzuto, Joseph E. Rodriguez, Allyson Bieryla, Steven Villanueva, Jr., **Jason T. Wright**, B. Scott Gaudi, David W. Latham, Thomas G. Beatty, Michael B. Lund, Robert J. Siverd, Adam L. Kraus, Perry Berlind, Michael L. Calkins, Gilbert A. Esquerdo, Rudolf B. Kuhn, Joshua Pepper 2019 *MNRAS* **499** 3775-3791

Towards a direct measure of the Galactic acceleration Sukanya Chakrabarti, **Jason T. Wright**, Philip Chang, Alice Quillen, Peter Craig, Joey Territo, Elena D'Onghia, Kathryn Johnston, Robert J. De Rosa, Daniel Huber, Katherine L. Rhode, Eric Nielsen 2020 *ApJL* **902** L28 (6 pp)

## JASON THOMAS WRIGHT—PUBLICATIONS

### Other Peer-Reviewed Publications (continued)

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The Habitable-Zone Planet Finder Reveals a High Mass and Low Obliquity for the Young Neptune K2-25B Gudmundur Stefansson, Suvrath Mahadevan, Marissa Maney, Joe P. Ninan, Paul Robertson, Jayadev Rajagopal, Flynn Haase, Lori Allen, Eric B. Ford, Joshua Winn, Angie Wolfgang, Rebekah I. Dawson, John Wisniewski, Chad F. Bender, Caleb Cañas, William Cochran, Scott A. Diddams, Connor Fredrick, Samuel Halverson, Fred Hearty, Leslie Hebb, Shubham Kanodia, Eric Levi, Andrew J. Metcalf, Andrew Monson, Lawrence Ramsey, Arpita Roy, Christian Schwab, Ryan Terrien, and **Jason T. Wright** 2020 *AJ* **160** 192

A Warm Jupiter Transiting an M Dwarf: A TESS Single Transit Event Confirmed with the Habitable Zone Planet Finder Caleb I. Cañas, Gudmundur Stefansson, Shubham Kanodia, Suvrath Mahadevan, William D. Cochran, Michael Endl, Paul Robertson, Chad F. Bender, Joe P. Ninan, Corey Beard, Jack Lubin, **Arvind F. Gupta**, Mark E. Everett, Andrew Monson, Robert F. Wilson, Hannah M. Lewis, Mary Brewer, Steven R. Majewski, Leslie Hebb, Rebekah I. Dawson, Scott A. Diddams, Eric B. Ford, Connor Fredrick, Samuel Halverson, Fred Hearty, Andrea S.J. Lin, Andrew J. Metcalf, Jayadev Rajagopal, Lawrence W. Ramsey, Arpita Roy, Christian Schwab, Ryan C. Terrien, **Jason T. Wright** 2020 *AJ* **160** 147

Transits of Known Planets Orbiting a Naked-Eye Star Stephen R. Kane, Selçuk Yalçinkaya, Hugh P. Osborn, Paul A. Dalba, Louise D. Nielsen, Andrew Vanderburg, Teo Močnik, Natalie R. Hinkel, Colby Ostberg, Ekrem Murat Esmer, Stéphane Udry, Tara Fetherolf, Özgür Baştürk, George R. Ricker, Roland Vanderspek, David W. Latham, Sara Seager, Joshua N. Winn, Jon M. Jenkins, Romain Allart, Jeremy Bailey, Jacob L. Bean, Francois Bouchy, R. Paul Butler, Tiago L. Campante, Brad D. Carter, Tansu Daylan, Magali Deleuil, Rodrigo F. Diaz, Xavier Dumusque, David Ehrenreich, Jonathan Horner, Andrew W. Howard, Howard Isaacson, Hugh R.A. Jones, Martti H. Kristiansen, Christophe Lovis, Geoffrey W. Marcy, Maxime Marmier, Simon J. O'Toole, Francesco Pepe, Darin Ragozzine, Damien Ségransan, C.G. Tinney, Margaret C. Turnbull, Robert A. Wittenmyer, Duncan J. Wright, **Jason T. Wright** 2020 *AJ* **160** 129

TOI-1728b: The Habitable-zone Planet Finder confirms a warm super Neptune orbiting an M dwarf host Shubham Kanodia, Caleb I. Canas, Gudmundur Stefansson, Joe P. Ninan, Leslie Hebb, Andrea S.J. Lin, Helen Baran, Marissa Maney, Ryan C. Terrien, Suvrath Mahadevan, William D. Cochran, Michael Endl, Jiayin Dong, Chad F. Bender, Scott A. Diddams, Eric B. Ford, Connor Fredrick, Samuel Halverson, Fred Hearty, Andrew J. Metcalf, Andrew Monson, Lawrence W. Ramsey, Paul Robertson, Arpita Roy, Christian Schwab, **Jason T. Wright** *ApJ* **899** 29

## JASON THOMAS WRIGHT—PUBLICATIONS

### Other Peer-Reviewed Publications (continued)

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Persistent starspot signals on M dwarfs: multi-wavelength Doppler observations with the Habitable-zone Planet Finder and Keck/HIRES Paul Robertson, Gudmundur Stefansson, Suvrath Mahadevan, Michael Endl, William D. Cochran, Corey Beard, Chad F. Bender, Scott A. Diddams, Nicholas Duong, Eric B. Ford, Connor Fredrick, Samuel Halverson, Fred Hearty, Rae Holcomb, Lydia Juan, Shubham Kanodia, Jack Lubin, Andrew J. Metcalf, Andrew Monson, Joe P. Ninan, Jonathan Palafoutas, Lawrence W. Ramsey, Arpita Roy, Christian Schwab, Ryan C. Terrien, and **Jason T. Wright** *ApJ* **897** 125

Evidence for He I 10830 Å Absorption During the Transit of a Warm Neptune Around the M-dwarf GJ 3470 with the Habitable Zone Planet Finder Joe Ninan, Gudmundur Stefansson, Suvrath Mahadevan, Chad Bender, Paul Robertson, Lawrence Ramsey, Ryan Terrien, **Jason T. Wright**, Scott A. Diddams, William Cochran, Michael Endl, Connor Frederick, Samuel Halverson, Fred Hearty, Jeff Jennings, Kyle Kaplan, Emily Lubar, Andrew J. Metcalf, Andrew Monson, Colin Nitroy, Arpita Roy, and Christian Schwab 2020 *ApJ* **894** 97 (9 pp)

Solar Contamination in Extreme Precision Radial Velocity Measurements: Deleterious Effects, Impacts, and Prospects for Mitigation Arpita Roy, Sam Halverson, Suvrath Mahadevan, Gudmundur Stefansson, Andrew Monson, Sarah E. Logsdon, Chad F. Bender, Cullen H. Blake, Eli Golub, **Arvind Gupta**, Kurt. P. Jaehnig, Shubham Kanodia, Kyle Kaplan, Michael W. McElwain, Joe P. Ninan, Jayadev Rajagopal, Paul Robertson, Christian Schwab, Ryan C. Terrien, Sharon Xuesong Wang, Marsha J. Wolf, and **Jason T. Wright** 2020 *AJ* **159** 161 (17 pp)

A sub-Neptune sized planet transiting the M2.5-dwarf G 9-40: Validation with the Habitable-Zone Planet Finder Gudmundur Stefansson, Caleb Cañas, John Wisniewski, Paul Robertson, Suvrath Mahadevan, Marissa Maney, Shubham Kanodia, Chad F. Bender, Peter Brunt, J. Christopher Clemens, William Cochran, Scott A. Diddams, Michael Endl, Eric B. Ford, Connor Fredrick, Samuel Halverson, Fred Hearty, Leslie Hebb, Joseph Huehnerhoff, Jeff Jennings, Kyle Kaplan, Eric Levi, Emily Lubar, Andrew J. Metcalf, Andrew Monson, Brett Morris, Joe P. Ninan, Colin Nitroy, Lawrence Ramsey, Arpita Roy, Christian Schwab, Steinn Sigurdsson, Ryan Terrien, and **Jason T. Wright** 2019 *AJ* **159**, 3 (20 pp)

Diffuser-Assisted Infrared Transit Photometry for Four Dynamically Interacting *Kepler* Systems Shreyas Vissapragada, Daniel Jontof-Hutter, Avi Shporer, Heather A. Knutson, Leo Liu, Daniel Thorngren, Eve J. Lee, Yayaati Chachan, Dimitri Mawet, Maxwell A. Millar-Blanchaer, Ricky Nilsson, Samaporn Tinyanont, Gautam Vasisht, **Jason T. Wright** 2019 *AJ* **159**, 3 (26 pp)

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The Orbit of WASP-12*b* is Decaying Samuel W. Yee, Joshua N. Winn, Heather A. Knutson, Kishore C. Patra, Shreyas Vissapragada, Michael M. Zhang, Matthew J. Holman, Avi Shporer, and **Jason T. Wright** 2019 *ApJL* **888**, 5 (15 pp)

KELT-24*b*: A 5M<sub>J</sub> Planet on a 5.6 day Well-Aligned Orbit around the Young V=8.3 F-star HD 93148 Joseph E. Rodriguez and 76 other authors including **Jason T. Wright** 2019 *AJ* **158**, 197 (

A Full Implementation of Spectro-Perfectionism for Precise Radial Velocity Exoplanet Detection: A Test Case With the MINERVA Reduction Pipeline Matthew A. Cornachione, Adam S. Bolton, Jason D. Eastman, Maurice L. Wilson, Sharon X. Wang, Samson A. Johnson, David H. Sliski, Nate McCrady, **Jason T. Wright**, Peter Plavchan, John Asher Johnson, Jonathan Horner, and Robert A. Wittenmyer 2019 *PASP* **131**, 124503 (13 pp)

Minerva-Australis. I. Design, Commissioning, and First Photometric Results  
Show affiliations Brett Addison and 38 other authors including **Jason T. Wright** 2019 *PASP* **131**, 5003 (19 pp)

The Fermi Paradox and the Aurora Effect: Exo-civilization Settlement, Expansion and Steady States Jonathan Carroll-Nellenback, Adam Frank, **Jason T. Wright**, Caleb Scharf 2019 *ApJ* **158**, 117 (16 pp)

TESS reveals that the nearby Pisces-Eridanus stellar stream is only 120 Myr old Jason Lee Curtis, Marcel A. Agüeros, Eric. E. Mamajek, **Jason T. Wright**, Jeffrey D. Cummings 2019 *ApJ* **158**, 2 (11 pp)

Photon-weighted barycentric correction and its importance for precise radial velocities René Tronsgaard, Lars A. Buchhave, **Jason T. Wright**, Jason D. Eastman, and Ryan T. Blackman 2019 *MNRAS* **489**, 2395 (8 pp)

First radial velocity results from the MINIature Exoplanet Radial Velocity Array (MINERVA) Maurice L. Wilson and 51 other authors including **Jason T. Wright** 2019 *PASP* **131**, 115001 (19 pp)

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Ultrastable Environment Control for the NEID Spectrometer: Design and Performance Demonstration Paul Robertson, Tyler Anderson, Gudmundur Stefansson, Frederick Hearty, Andrew Monson, Suvrath Mahadevan, Scott Blakeslee, Chad Bender, Joe Ninan, David Conran, Eric Levi, Emily Lubar, Amanda Cole, Adam Dykhouse, Shubham Kanodia, Colin Nitroy, Joseph Smolsky, Demetrius Tuggle, Basil Blank, Matt Nelson, Cullen Blake, Samuel Halverson, Charles Henderson, Kyle Kaplan, Dan Li, Sarah Logsdon, Michael McElwain, Jayadev Rajagopal, Lawrence Ramsey, Arpita Roy, Christian Schwab, Ryan Terrien, **Jason T. Wright** 2019 *Journal of Astronomical Telescopes, Instruments, and Systems* 5(1) 015003

Stellar Spectroscopy in the Near-infrared with a Laser Frequency Comb Andrew J. Metcalf, Tyler Anderson, Chad F. Bender, Scott Blakeslee, Wesley Brand, David R. Carlson, William D. Cochran, Scott A. Diddams, Michael Endl, Connor Fredrick, Sam Halverson, Dan D. Hickstein, Fred Hearty, Jeff Jennings, Shubham Kanodia, Kyle F. Kaplan, Eric Levi, Emily Lubar, Suvrath Mahadevan, Andrew Monson, Joe P. Ninan, Colin Nitroy, Steve Osterman, Scott B. Papp, Franklyn Quinlan, Larry Ramsey, Paul Robertson, Arpita Roy, Christian Schwab, Steinn Sigurdsson, Kartik Srinivasan, Gudmundur Stefansson, David A. Sterner, Ryan Terrien, Alex Wolszczan, **Jason T. Wright**, Gabriel Ycas 2019 *Optica* **6(2)**, 233–239

High-resolution spectroscopy of Boyajian's star during optical dimming events M. J. Martínez González, C. González-Fernández, A. Asensio Ramos, H. Socas Navarro, C. Westendorp Plaza, T. S. Boyajian, **Jason T. Wright**, A. Collier Cameron, J. González Hernández, G. Holgado, G. M. Kennedy, T. Masseron, E. Molinari, J. Saario, S. Simón-Díaz, B. Toledo- Padrón 2019 *MNRAS* **486**, 236–244 (9 pp)

KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin Jonathan Labadie-Bartz and 56 other authors including **Jason T. Wright** 2019 *ApJS* **240**, 13 (17 pp)

Rio 2.0: revising the Rio scale for SETI detections Duncan Forgan, **Jason T. Wright**, Jill Tarter, Eric Korpela, Andrew Siemion, Iván Almar, Elisabeth Piotelat 2018 *International Journal of Astrobiology* <https://doi.org/10.1017/S1473550418000162> (9 pp)

K2-231 b: A Sub-Neptune Exoplanet Transiting a Solar Twin in Ruprecht 147 Jason L. Curtis, Andrew Vanderburg, Guillermo Torres, Adam L. Kraus, Daniel Huber, Andrew W. Mann, Aaron C. Rizzuto, Howard Isaacson, Andrew W. Howard, Christopher E. Henze, Benjamin J. Fulton, **Jason T. Wright** 2018, *AJ* **155**, 173 (17 pp)

Proper Motion of the Faint Star near KIC 8462852 (Boyajian's Star)—Not a Binary System Dan P. Clemens, Kush Maheshwari, Roshan Jagani, J. Montgomery, A. M. El Batal, T.G. Ellis, **Jason T. Wright** 2018, *ApJ* **856**, 8 (5 pp)

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Self and supervised researchers in **bold**

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The First Post-Kepler Brightness Dips of KIC 8462852 Tabettha Boyajian and 198 other authors including **Jason T. Wright** and **Eva Bodman** 2018, *ApJL* **853**, 8 (14 pp)

KELT-19Ab: A P ~ 4.6-day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion Robert J. Siverd and 44 co-authors including **Jason T. Wright** and **Thomas Beatty** 2018 *AJ* **155**, 35 (18 pp)

KELT-20b: A Giant Planet with a Period of P ~ 3.5 days Transiting the V ~ 7.6 Early A Star HD 185603 Michael B. Lund and 56 coauthors including **Jason T. Wright** and **Thomas Beatty** 2018 *AJ* **154**, 194 (16 pp)

Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers Gudmundur Stefansson, Suvrath Mahadevan, Leslie Hebb, John Wisniewski, Joseph Huehnerhoff, Brett Morris, Sam Halverson, **Ming Zhao**, **Jason T. Wright**, Joseph O'rourke, Heather Knutson, Suzanne Hawley, Shubham Kanodia, Yiting Li, Lea M. Z. Hagen, **Leo J. Liu**, **Thomas Beatty**, Chad Bender, Paul Robertson, Jack Dembicky, Candace Gray, William Ketzbeck, Russet McMillan, and Theodore Rudyk 2017 *Astrophysical Journal* **848**, 9 (28 pp)

Breakthrough Listen — A New Search for Life in the Universe S. Peter Worden, Jamie Drew, Andrew Siemion, Dan Werthimer, David DeBoer, Steve Croft, David MacMahon, Matt Lebofsky, Howard Isaacson, Jack Hickish, Danny Price, and Vishal Gajjar, **Jason T. Wright** 2017 *Acta Astronautica* **139**, 98–101

The Mysterious Dimmings of the T Tauri Star V1334 Tau Joseph E. Rodriguez, George Zhou, Phillip A. Cargile, Daniel J. Stevens, Hugh P. Osborn, Benjamin J. Shappee, Phillip A. Reed, Michael B. Lund, Howard M. Relles, David W. Latham, Jason Eastman, Keivan G. Stassun,, Allyson Bieryla, Gilbert A. Esquerdo, Perry Berlind, Michael L. Calkins, Andrew Vanderburg, Eric Gaidos, Megan Ansdell, Robert J. Siverd, Thomas G. Beatty,, Christopher S.Kochanek, Joshua Pepper, B. Scott Gaudi, Richard G. West, Don Pollacco, David James, Rudolf B. Kuhn, Krzysztof Z. Stanek, Thomas W.-S. Holoien, Jose L. Prieto,, Samson A. Johnson, Anthony Sergi, Nate McCrady, John A. Johnson, **Jason T. Wright**, Robert A. Wittenmyer, Jonathan Horner 2017 *AJ* **153**, 34 (11 pp)

Multiwavelength Transit Observations of the Candidate Disintegrating Planetesimals Orbiting WD 1145+017 Bryce Croll, Paul A. Dalba, Andrew Vanderburg, Jason Eastman, Saul Rappaport, John DeVore, Allyson Bieryla, Philip S. Muirhead, Eunkyun Han, David W. Latham, **Thomas G. Beatty**, Robert A. Wittenmyer, **Jason T. Wright**, John Asher Johnson, Nate McCrady 2017 *ApJ* **836**, 17 (16 pp)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Other Peer-Reviewed Publications (continued)**  
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KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the V=8 Subgiant HD 93396 Joshua Pepper, Joseph E. Rodriguez, Karen A. Collins, John Asher Johnson, Benjamin J. Fulton, Andrew W. Howard, **Thomas Beatty**, Keivan G. Stassun, Howard Isaacson, Knicole d. Colón, Michael B. Lund, Rudolf B. Kuhn, Robert J. Siverd, B. Scott Gaudi, T.G. Tan, Ivan Curtis, Christopher Stockdale, Dimitri Mawet, Michael Bottom, David James, George Zhou, Daniel Bayliss, Phillip Cargile, Allyson Bieryla, Kaloyan Penev, David W. Latham, Jonathan Labadie-Bartz, John Kielkopf, Jason D. Eastman, Thomas E. Oberst, Eric L. N. Jensen, Peter Nelson, David H. Sliski, Robert A. Wittenmyer, Nate McCrady, **Jason T. Wright**, Howard M. Relles 2017 *AJ* **153**, 215 (15 pp)

Three Temperate Neptunes Orbiting Nearby Stars Benjamin J. Fulton, Andrew W. Howard, Lauren M. Weiss, Evan Sinukoff, Erik A. Petigura, Howard Isaacson, Lea Hirsch, Geoffrey W. Marcy, Gregory W. Henry, Samuel K. Grunblatt, Daniel Huber, Kaspar von Braun, Tabettha S. Boyajian, Stephen R. Kane, Justin Wittrock, Elliott P. Horch, David R. Ciardi, Steve B. Howell, **Jason T. Wright**, Eric B. Ford, 2016, *ApJ* **830**, 46 (19 pp)

State of the Field: Extreme Precision Radial Velocities Debra A. Fischer and 55 other authors including **Jason T. Wright** and **Sharon X. Wang**, 2016 *PASP* **128**, 6001 (45 pp)

The Spitzer Microlensing Program as a Probe for Globular Cluster Planets: Analysis of OGLE-2015-BLG-0448 Poleski, Radosław; Zhu, Wei; Christie, Grant W.; Udalski, Andrzej; Gould, Andrew; Bachelet, Etienne; Skottfelt, Jesper; Calchi Novati, Sebastiano; Szymański, M. K.; Soszyński, I.; Pietrzyński, G.; Wyrzykowski, Ł.; Ulaczyk, K.; Pietrukowicz, P.; Kozłowski, Szymon; Skowron, J.; Mróz, P.; Pawlak, M.; OGLE Group; Beichman, C.; Bryden, G.; Carey, S.; Fausnaugh, M.; Gaudi, B. S.; Henderson, C. B.; Pogge, R. W.; Shvartzvald, Y.; Wibking, B.; Yee, J. C.; Spitzer Team; Beatty, T. G.; Eastman, J. D.; Drummond, J.; Friedmann, M.; Henderson, M.; Johnson, J. A.; Kaspi, S.; Maoz, D.; McCormick, J.; McCrady, N.; Natusch, T.; Ngan, H.; Porritt, I.; Relles, H. M.; Sliski, D. H.; Tan, T.-G.; Wittenmyer, R. A.; **Wright, J. T.**;  $\mu$ FUN Group; Street, R. A.; Tsapras, Y.; Bramich, D. M.; Horne, K.; Snodgrass, C.; Steele, I. A.; Menzies, J.; Figuera Jaimes, R.; Wambsganss, J.; Schmidt, R.; Cassan, A.; Ranc, C.; Mao, S.; project, RoboNet; Bozza, V.; Dominik, M.; Hundertmark, M. P. G.; Jørgensen, U. G.; Andersen, M. I.; Burgdorf, M. J.; Ciceri, S.; D'Ago, G.; Evans, D. F.; Gu, S.-H.; Hinse, T. C.; Kains, N.; Kerins, E.; Korhonen, H.; Kuffmeier, M.; Mancini, L.; Popovas, A.; Rabus, M.; Rahvar, S.; Rasmussen, R. T.; Scarpetta, G.; Southworth, J.; Surdej, J.; Unda-Sanzana, E.; Verma, P.; von Essen, C.; Wang, Y.-B.; Wertz, O.; MiNDSTeP Group, 2016 *ApJ* **823**, 63 (11 pp)



## JASON THOMAS WRIGHT—PUBLICATIONS

### Other Peer-Reviewed Publications (continued)

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Statistics of Long Period Gas Giant Planets in Known Planetary Systems Marta L. Bryan, Heather A. Knutson, Andrew W. Howard, Henry Ngo, Konstantin Batygin, Justin R. Crepp, B. J. Fulton, Sasha Hinkley, Howard Isaacson, John A. Johnson, Geoffrey W. Marcy, **Jason T. Wright** 2016 *ApJ* **821**, 89 (21 pp)

Evidence for Reflected Light from the Most Eccentric Exoplanet Known Stephen R. Kane, Robert A. Wittenmyer, Natalie R. Hinkel, Arpita Roy, Suvrath Mahadevan, Diana Dragomir, Jaymie M. Matthews, Gregory W. Henry, Abhijit Chakraborty, Tabettha S. Boyajian, **Jason T. Wright**, David R. Ciardi, Debra A. Fischer, R. Paul Butler, C. G. Tinney, Brad D. Cartier, Hugh R. A. Jones, Jeremy Bailey, Simon O'Toole 2016, *ApJ* **821**, 65 (12 pp)

Stellar Activity and Exclusion of the Outer Planet in the HD 99492 System Stephen Kane, Badrinath Thirumalachari, Gregory Henry, Natalie Hinkel, Eric Jensen, Tabettha Boyajian, Debra Fischer, Andrew Howard, Howard Isaacson, and **Jason T. Wright** 2016 *ApJL* **820**, L5 (6 pp)

An empirically derived three-dimensional Laplace resonance in the Gliese 876 planetary system Benjamin E. Nelson, Paul M. Robertson, Matthew J. Payne, Seth M. Pritchard, Katherine M. Deck, Eric B. Ford, **Jason T. Wright**, Howard T. Isaacson 2016 *MNRAS* **455**, 2484–2499

On the Stellar Companion to the Exoplanet Hosting Star 30 Arietis B Stephen R. Kane, Thomas Barclay, Michael Hartmann, Artie P. Hatzes, Eric L. N. Jensen, David R. Ciardi, Daniel Huber, **Jason T. Wright**, and Elisa V. Quintana 2015 *ApJ* **815**, 32 (9 pp)

MINERVA: Small Planets from Small Telescopes Robert A. Wittenmyer, John Asher Johnson, **Jason T. Wright**, Nate McCrady, and 22 other authors 2015 *Publications of the Korean Astronomical Society* **30** 665-669

A disintegrating minor planet transiting a white dwarf Andrew Vanderburg, John Asher Johnson, Saul Rappaport, Allyson Bieryla, Jonathan Irwin, John Arban Lewis, David Kipping, Warren R. Brown, Patrick Dufour, David R. Ciardi, Ruth Angus, Laura Schaefer, David W. Latham, David Charbonneau, Charles Beichman, Jason Eastman, Nate McCrady, Robert A. Wittenmyer, **Jason T. Wright** 2015 *Nature* **526** 546-549

A Comprehensive Characterization of the 70 Virginis Planetary System Stephen Kane, Tabettha Boyajian, Gregory Henry, **Y. Katherina Feng**, Natalie Hinkel, Debra Fischer, Kaspar Braun, Andrew Howard, and **Jason T. Wright** 2015 *ApJ* **806**, 60 (9 pp)

**JASON THOMAS WRIGHT—PUBLICATIONS**  
**Other Peer-Reviewed Publications (continued)**  
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