

MELINDA SOARES-FURTADO, PH.D.

Astrophysicist, University of Wisconsin–Madison
msoaresfurtado.com ♦ mmsoares@wisc.edu

PROFESSIONAL APPOINTMENTS

| | |
|---|----------------------------|
| Assistant Professor of Astronomy & Physics, University of Wisconsin–Madison | <i>*begins August 2024</i> |
| NASA Hubble Postdoctoral Fellow, University of Wisconsin–Madison | 2021–present |
| Postdoctoral Fellow, University of Wisconsin–Madison | 2020–2021 |
| High School Math & Physics Instructor, Mount Madonna School | 2012–2013 |

EDUCATION

| | | |
|--------------------------------------|-----------------------|-------------|
| Princeton University | Astrophysical Science | Ph.D., 2020 |
| Princeton University | Astrophysical Science | M.S., 2016 |
| University of California, Santa Cruz | Physics | B.S., 2014 |

RESEARCH EXPERIENCE

| | |
|--|-----------|
| Graduate Student Researcher, Princeton University, Astrophysical Sciences <i>Advisor:</i> Prof. Gáspár Bakos | 2014–2020 |
| Undergraduate Student Researcher, UC Santa Cruz, Physics & Astronomy <i>Advisors:</i> Profs. Enrico Ramirez-Ruiz & David Williams | 2009–2014 |

PEER-REVIEWED PUBLICATIONS

** Mentored students are underlined*

21. **Soares-Furtado, M.**; Limbach, M.; Vanderburg, A.; Best, W.; Cody, A. M.; D’Onghia, E.; Heller, R.; Hensley, B.; Kounkel, M.; Kraus, A.; Mann, A.; Robberto, M.; Rosen, A.; Townsend, R.; Vos, J. *The TEMPO Survey II: Predicting Yields of Transiting Moons, Planets, and Satellites from a 30-day Survey of Orion with the Roman Space Telescope*, in preparation to be submitted to the Publications of the Astronomical Society of the Pacific.
20. Schulte, J.; Rodriguez, J.; Bieryla, A.; Quinn, S.; Collins, K.; Yee, S.; Nine, A.; **Soares-Furtado, M.**; Latham, D.; Eastman, J.; Barkaoui, K.; Ciardi, D.; Dragomir, D.; Everett, M.; Giacalone, S.; Mireles, I.; Murgas, F.; Narita, N.; et al. *Migration and Evolution of giant Exoplanets (MEEP) I: Nine Newly Confirmed Hot Jupiters from the TESS Mission*, submitted to the Publications of the Astronomical Journal.
19. Ong, J.; Hon, M.; **Soares-Furtado, M.**; Stephan, A.; van Saders, J.; Tayar, J.; Shappee, B.; Hey, D.; Montet, B.; Cao, L.; Yildiz, M.; Çelik Orhan, Z.; Örtel, S.; Ahlborn, F. *Gasing Pangkah I: Asteroseismology and Preliminary Characterisation of a Rapidly-Rotating Red Giant in the TESS SCVZ*, in press with The Astrophysical Journal. [[arXiv:2402.16971](https://arxiv.org/abs/2402.16971)]
18. **Soares-Furtado, M.**; Capistrant, B.; Vanderburg, A.; Jankowski, A.; Mann, A.; Ross, G.; Srdic, G.; Hinkel, N.; Becker, J.; Magliano, C.; Limbach, M.; Stephan, A.; Nine, A.; Tofflemire, B.; Kraus, A.; Giacalone, S.; Winn, J.; Bieryla, A.; Bouma, L.; Ciardi, D.; Collins, K.; Covone, G.; de Beurs, Z.; Huang, C.; Jenkins, J.; Kreidberg, L.; Latham, D.; Quinn, S.; Seager, S.; Shporer, A.; Twicken, J.; Wohler, B.; Vanderspek, R.; Yarza, R.; Ziegler, C. *TESS Hunt for Young and Maturing Exoplanets (THYME) XI: An Earth-sized Planet Orbiting a Nearby, Solar-like Host in the 400 Myr Ursa Major Moving Group*, 2024, The Astronomical Journal, 167, 2. [[arXiv:2401.04785](https://arxiv.org/abs/2401.04785)]
17. Yarza, R.; Razo-López, N.; Murguía-Berthier, A.; Wallace Everson, R.; MacLeod, M.; **Soares-Furtado, M.**; Lee, D.; Ramirez-Ruiz, E. *Hydrodynamics and Survivability During Post-Main-Sequence Planetary Engulfment*, 2023, The Astrophysical Journal, 954, 2. [[arXiv:2203.11227](https://arxiv.org/abs/2203.11227)]

16. Limbach, M.; **Soares-Furtado, M.**; Vanderburg, A.; Best, W.; Cody, A. M.; D’Onghia, E.; Heller, R.; Hensley, B.; Kounkel, M.; Kraus, A.; Mann, A.; Robberto, M.; Rosen, A.; Townsend, R.; Vos, J. *The TEMPO Survey I: Predicting Yields of Transiting Moons, Planets, and Satellites from a 30-day Survey of Orion with the Roman Space Telescope*, 2023, Publications of the Astronomical Society of the Pacific, 135, 1043. [[arXiv:2209.12916](#)]
15. Kolborg, A.; Ramirez-Ruiz, E.; Martizzi, D.; Macias, P.; **Soares-Furtado, M.** *Constraints on the Frequency and Mass Content of R-Process Events Derived from Turbulent Mixing in Galactic Disks*, 2023, The Astrophysical Journal Letters, 936, 2. [[arXiv:2209.12916](#)]
14. Limbach, M.; Vanderburg, A.; Stevenson, K.; Blouin, S.; Morley, C.; Lustig-Yaeger, J.; **Soares-Furtado, M.**; Janson, M. *A New Method for Finding Nearby White Dwarf Exoplanets and Detecting Biosignatures*, 2022, Monthly Notices of the Royal Astronomical Society, 517, 2. [[arXiv:2209.12914](#)]
13. Tayar, J.; Moyano, F.; **Soares-Furtado, M.**; Escorza, A.; Joyce, M.; Martell, S.; Garcia, R.; Breton, S.; Mathis, S.; Mathur, S.; Delsanti, V.; Kiefer, S.; Bowman, D.; Van Reeth, T.; Shetye, S.; Daniel, D.; Christine, C.; Hedlund, S. *Spinning up the Surface: Evidence for Planetary Engulfment or Unexpected Angular Momentum Transport*, 2022, The Astrophysical Journal, 940, 1. [[arXiv:2208.01678](#)]
12. Capistrant, B.; **Soares-Furtado, M.**; Rappaport, S.; Vanderburg, A. *A Population of Dipper Stars from the Transiting Exoplanet Survey Satellite Mission*, 2022, The Astrophysical Journal Supplement Series, 263, 1. [[arXiv:2209.03379](#)]
11. Kolborg, A.; Martizzi, D.; Ramirez-Ruiz, E.; Pfister, H.; Sakari, C.; Wechsler, R.; **Soares-Furtado, M.** *Supernova-Driven Turbulent Metal Mixing in High Redshift Galactic Disks: Metallicity Fluctuations in the Interstellar Medium and its Imprints on Metal Poor Stars in the Milky Way*, 2022, The Astrophysical Journal Letters, 936, 2. [[arxiv:2111.02619](#)]
10. Vigna-Gómez, V.; Liu, B.; Aguilera-Dena, D.; Grishin, E.; Ramirez-Ruiz, E.; **Soares-Furtado, M.** *Mergers Prompted by Dynamical Resonances in Compact, Multiple-Star Systems: a Stellar-Reduction Case for the Massive Triple TIC 470710327*, 2022, Monthly Notices of the Royal Astronomical Society: Letters, 515, 1. [[arXiv:2204.10600](#)]
9. Grunblatt, S.; Saunders, N.; Sun, M.; Thaddeus, K.; Huber, D.; Chontos, A.; **Soares-Furtado, M.**; Eisner, N.; Pereira, F.; Collins, K.; Quinn, S.; Tronsgaard, R.; Zhou, G.; Nowak, G.; Ciardi, D.; Howard, A.; Buchhave, L.; Ricker, G.; Jenkins, J.; Latham, D.; Seager, S.; Vanderspek, R.; Winn, J. *Planets Orbiting Evolved TESS Stars (POETS) II: The Hottest Jupiters Orbiting Evolved Stars*, 2022, The Astrophysical Journal, 163, 3. [[arXiv:2201.04140](#)]
8. **Soares-Furtado, M.**, Cantiello, M.; MacLeod, M.; Ness, M. *Lithium Enrichment Signatures of Planetary Engulfment Events in Evolved Stars*, 2021, The Astrophysical Journal, 162, 6. [[arXiv:2002.05275](#)]
7. **Soares-Furtado, M.**; Hartman, J. D.; Bhatti, W.; Bouma, L. G.; Barna, T.; Bakos, G.Á. *A Catalog of Periodic Variables in Open Clusters M35 and NGC 2158*, 2020, The Astrophysical Journal Supplement, 246, 1. [[arXiv:1911.00832](#)]
6. Naiman, J.; **Soares-Furtado, M.**; Ramirez-Ruiz, E. *Modeling Gas Evacuation Mechanisms in present-Day Globular Clusters: Stellar Winds from Evolved Stars & Pulsar Heating*, 2019, Monthly Notices of the Royal Astronomical Society, 491, 4. [[arXiv:1310.8301](#)]
5. Rappaport, S.; Zhou, G.; Vanderburg, A.; Mann, A.; Kristiansen, M. H.; Oláh, K.; Jacobs, T. L.; Newton, E.; Omohundro, M. R.; LaCourse, D.; Schwengeler, H. M.; Terentev, I. A.; Latham, D. W.; Bieryla, A.; **Soares-Furtado, M.**; Bouma, L. G.; Ireland, M. J.; Irwin, J. *“Deep Long Asymmetric Occultation in EPIC 204376071”*, 2019, Monthly Notices of the Royal Astronomical Society, 485, 2. [[arXiv:1902.08152](#)]
4. MacLeod, M.; Cantiello, M.; **Soares-Furtado, M.** *Planetary Engulfment in the Hertzsprung-Russell Diagram*, 2018, The Astrophysical Journal Letters, 853, 1. [[arXiv:1801.04274](#)]

3. Zhu, Wei; Huang, C. X.; Udalski, A.; **Soares-Furtado, M.**; Poleski, R.; Skowron, J.; Mróz, P.; Szymański, M. K.; Soszyński, I.; Pietrukowicz, P.; Kozłowski, S.; Ulaczyk, K.; Pawlak, M. *Extracting Microlensing Signals from K2 Campaign 9*, 2017, Publications of the Astronomical Society of the Pacific, 129, 980. [[arXiv:1704.08692](#)]
2. **Soares-Furtado, M.**; Hartman, J. D.; Bakos, G.Á.; Huang, C. X.; Penev, K.; Bhatti, W. *Image Subtraction Reduction of Open Clusters M35 & NGC 2158 in the K2 Campaign 0 Super Stamps*, 2017, Publications of the Astronomical Society of the Pacific, 129, 974. [[arXiv:1703.00030](#)]
1. Aliu, E.; Archambault, S.; Arlen, T.; Aune, T.; Beilicke, M.; Benbow, W.; Bird, R.; Bouvier, A.; Buckley, J. H.; Bugaev, V.; Cesarini, A.; Ciupik, L.; Connolly, M. P.; Cui, W.; Dumm, J.; Errando, M.; Falcone, A.; Federici, S.; Feng, Q.; Finley, J. P. Fortin, P.; Fortson, L.; Furniss, A.; Galante, N.; Gérard, L.; Gillanders, G. H.; Griffin, S.; Grube, J.; Gyuk, G.; Hanna, D.; Holder, J.; Hughes, G.; Humensky, T. B.; Kaaret, P.; Kertzman, M.; Khassen, Y.; Kieda, D.; Krawczynski, H.; Krennrich, F.; Lang, M. J.; Madhavan, A. S.; Maier, G.; Majumdar, P.; McArthur, S.; McCann, A.; Moriarty, P.; Mukherjee, R.; Nieto, D.; O’Faoláin de Bhróithe, A.; Ong, R. A.; Orr, M.; Otte, A. N.; Park, N.; Perkins, J. S.; Pohl, M.; Popkow, A.; Prokoph, H.; Quinn, J.; Ragan, K.; Reyes, L. C.; Reynolds, P. T.; Richards, G. T.; Roache, E.; Saxon, D. B.; Sembroski, G. H.; Skole, C.; Smith, A. W.; **Soares-Furtado, M.**; Staszak, D.; Telezhinsky, I.; Tešić, G.; Theiling, M.; Varlotta, A.; Vassiliev, V. V.; Vincent, S.; Wakely, S. P.; Weekes, T. C.; Weinstein, A.; Welsing, R.; Williams, D. A.; Zitzer, B.; VERITAS Collaboration; Böttcher, M.; Fumagalli, M.; Jadhav, J. *Long Term Observations of B2 1215+30 with VERITAS*, 2013, The Astrophysical Journal, 779, 2. [[arXiv:1310.6498](#)]

OTHER PUBLICATIONS

* *Mentored students are underlined*

3. Hinkel, N.; Youngblood, A.; **Soares-Furtado, M.** *Host Stars and How Their Compositions Influence Exoplanets*, in press with Reviews in Mineralogy and Geochemistry, 88.
2. Howell, S.; Howell, A.; Street, R.; **Soares-Furtado, M.**; Jackson, B.; Greene, T. *The Dynamic Universe: Realizing the Potential of Classical Time Domain and Multimessenger Astrophysics*, 2024, Frontiers in Astronomy and Space Sciences, 11.
1. **Soares-Furtado, M.**; Kubiak, S. *Aging Ungracefully*, 2023, Sky and Telescope, 145, 1, p.14

SELECTED FELLOWSHIPS, GRANTS, & AWARDS

| | |
|---|-----------|
| Postdoctoral Excellence in Mentoring Award, University of Wisconsin-Madison | 2023 |
| NASA Topical Workshops, Symposia, and Conferences Award, Total budget: \$69,550 | 2023 |
| PI: E. Zweibel, Science-PI: M. Soares-Furtado | |
| NASA Hubble Fellowship, Total budget: \$364,527 | 2021–2024 |
| TESS DDT Proposal, Principal Investigator | 2021 |
| <i>Asteroseismic Investigation of Pulsating Blue Stragglers in M67</i> | |
| TESS DDT Proposal, Principal Investigator | 2021 |
| <i>Asteroseismic Investigation of Pulsating Blue Stragglers in NGC 6819</i> | |
| NASA Postdoctoral Program Fellowship (<i>declined</i>), Total budget: \$237,162 | 2020 |
| First Place Poster, Kepler & K2 Science Conference V | 2019 |
| National Science Foundation Graduate Research Fellowship, Total budget: \$102,000 | 2015–2018 |
| TESS Cycle 1 Guest Investigator Program, Total budget: \$200,000 | 2018 |
| PI: J. Hartman, Co-I: M. Soares-Furtado | |
| Permanent Exhibit Selection, <i>Art of Science</i> , Princeton University | 2017 |
| Kenneth & Ann Thimann Scholarship, UCSC | 2014 |
| SLUG Fellowship, UCSC | 2013 |

| | |
|--|-----------|
| Lamat Fellowship, UCSC | 2013 |
| First Place Oral presentation, AAAS National ERN Conference | 2012 |
| Steven Chu Award for Undergraduate Research, APS Annual Conference | 2011 |
| Ron Ruby Memorial Scholarship for Teaching Excellence, UCSC | 2010 |
| Regents Scholarship, UCSC | 2008–2010 |

SELECTED SCIENTIFIC PRESENTATIONS

I have given **59 talks**, including **40 invited** colloquia, seminars, and conference talks.

Colloquia:

| | |
|---|-------------|
| University of Colorado Boulder | 2023 |
| University of Nevada, Las Vegas | 2023 |
| University of Illinois Urbana-Champaign (2x) | 2022 & 2023 |
| Harvard Institute for Theory and Computation | 2023 |
| University of Wisconsin–Madison, Department of Physics | 2022 |
| Massachusetts Institute of Technology Kavli Institute for Astrophysics and Space Research | 2022 |
| University of California, Los Angeles | 2022 |
| NASA Goddard Space Flight Center | 2021 |
| Astrophysics Research Centre of the Queen’s University, Belfast | 2021 |
| University of California, Santa Barbara Kavli Institute for Theoretical Physics | 2021 |
| University of Wisconsin–Madison, Department of Astronomy (2x) | 2019 & 2020 |
| Pomona College | 2019 |
| University of the Virgin Islands | 2019 |

Recent Invited Seminars:

| | |
|--|------------------|
| CIERA, Northwestern University (2x) | 2021 & 2024 |
| MIT Planetary Lunch Colloquium Series (PICS) | 2022 |
| Penn State Center for Exoplanets and Habitable Worlds | 2022 |
| Presentation, NASA Hubble Fellowship Program Symposium (3x) | 2021, 2022, 2023 |
| Harvard University Exoplanet Lunch Series (3) | 2016, 2019, 2022 |
| Probes of Transport in Stars—Kavli Institute for Theoretical Physics | 2021 |
| Michigan State University | 2021 |
| Carnegie Earth and Planets Laboratory | 2021 |
| Division on Dynamical Astronomy of the AAS | 2021 |
| UCLA–UCSC Joint Astrophysics Seminar Series | 2021 |
| American Museum of Natural History | 2020 |
| Carnegie Department of Terrestrial Magnetism | 2019 |
| Harvard University Stars & Planets Seminar Series | 2019 |
| Princeton University Envision Conference—Ethics & Space Policy | 2019 |
| Harvard University Institute for Theory and Computation | 2017 |

Recent Invited Conference Presentations:

| | |
|--|------|
| 33rd Annual Wisconsin Space Conference | 2023 |
| Probes of Transport in Stars, UCSB Kavli Institute for Theoretical Physics | 2021 |
| NASA’s Kepler & K2 SciCon V | 2019 |

OBSERVATIONAL EXPERIENCE

Southern African Large Telescope High Resolution Échelle Spectrograph (65 hours)
WIYN 3.5-M telescope at Kitt Peak National Observatory (4 nights)
Australian National University 2.3-m telescope at Siding Spring Observatory (15 nights)
Magellan Telescopes (Walter Baade 6.5-m) at Las Campanas Observatory (2 nights)
VERITAS at Whipple Observatory (12 nights)

TEACHING EXPERIENCE

| | |
|--|---------------------------|
| Summer Instructor, Lamat REU Program (NSF #1852393) | Summer 2021, 2022, & 2023 |
| Guest Instructor, Pomona College | 2019 |
| <i>Stellar Structure & Evolution</i> (ASTR 123) | |
| Assistant Instructor, Princeton University | 2015 |
| <i>The Universe</i> (AST 205) | |
| Head Instructor, Mount Madonna School | 2012–2013 |
| <i>AP Physics, AP Calculus, & Python Programming</i> | |
| Physics Section Leader & Lecturer, UCSC Academic Excellence Program | 2009–2011 |
| <i>Introduction to Waves & Optics, Introduction to Elementary Mechanics, Introduction to Electricity & Magnetism</i> | |

ADVISING EXPERIENCE

I have served as the primary advisor or co-advisor(*) for **nineteen** students. † denotes that a publication has resulted from our collaboration. ‡ denotes that a publication is in progress.

Graduate Students:

| | |
|--|--------------|
| Julia K. Sheffler‡ (University of Wisconsin–Madison) | 2023–present |
| Andrew Nine*† (University of Wisconsin–Madison) | 2022–2023 |
| Anne Noer Kolbrog*† (University of California, Santa Cruz) | 2021–2023 |
| Ricardo Yarza*† (FINESST Fellow; University of California, Santa Cruz) | 2021–present |
| Mary Anne Limbach*† (Texas A&M) | 2021–2023 |
| Updated role: Assistant Research Scientist at the University of Michigan | |
| Rachel McClure*‡ (NSF GRFP Fellow; University of Wisconsin–Madison) | 2020–2022 |

Postbaccalaureate Students

| | |
|---|-------------|
| Lily Robinthal* (University of Wisconsin–Madison) | Summer 2022 |
| Updated role: Graduate student at Arizona State University | |
| Benjamin Capistrant*† (University of Wisconsin–Madison) | 2021–2022 |
| Updated role: Graduate student at the University of Florida | |

Undergraduate Students

| | |
|---|--------------|
| A. Distler‡ (University of Wisconsin–Madison) | 2023–present |
| M. L. Clark‡ (University of Wisconsin–Madison) | 2023–present |
| Nicholas Marston‡ (University of Wisconsin–Madison) | 2023–present |
| Brooke Kotten*‡ (University of Wisconsin–Madison) | 2023–present |
| Alyssa Jankowski† (University of Wisconsin–Madison) | 2022–2023 |
| Sara Kubiak† (University of Wisconsin–Madison) | Summer 2022 |
| Updated role: Graduate student at Colorado State University | |
| Evan Bauer* (University of Wisconsin–Madison) | 2021–2022 |
| Rianna Kuenzi‡ (University of Wisconsin–Madison) | 2021–2022 |

| | |
|--|-----------|
| Tyler Barna [†] (Rutgers University) | 2018–2019 |
| Updated role: Graduate student at Minnesota State University | |
| Jose Lopez (University of California, Santa Cruz) | 2014–2015 |
| Updated role: Software engineer | |

High School Students

| | |
|--|-----------|
| Atirath Dhara (West Windsor Plainsboro High School) | 2017–2019 |
| Updated role: Regent Scholar; Graduate student at UCSC | |

SELECTED PROFESSIONAL SERVICE EXPERIENCE

| | |
|---|--------------|
| Media Fellow, University of Wisconsin–Madison | 2024 |
| Reviewer, National Science Foundation Panel | 2024 |
| Lead Organizer, Aspen Center for Physics 2023 winter conference | 2022–2023 |
| <i>Exoplanet Systems and Stellar Life Cycles: Late-Stage and Post-MS Systems</i> | |
| Reviewer, NASA Panel | 2023 |
| Reviewer, NASA Panel Inclusion Review | 2023 |
| Referee for the scientific journal <i>Monthly Notices of the Royal Astronomical Society</i> | 2022 |
| Referee for the scientific journal <i>Nature</i> | 2021 |
| Advisory Board Member , Lamat Institute | 2021–present |
| Co-organizer & host of the TESS (TSC2) Splinter Session “Ultra Short Period Planets” | 2021 |
| Co-Division for Dynamical Astronomy Session Chair, “How Gaia Reveals the Galaxy’s Secrets” | 2021 |
| Member of the TESS Follow-Up Working Group | 2021–present |
| LAMAT REU Admissions Committee Member | 2021–2022 |

SELECTED DEPARTMENTAL SERVICE EXPERIENCE

| | |
|---|-----------|
| UW–Madison Graduate Admissions Committee Member | 2021–2024 |
| UW–Madison Graduate Application Advice Panel | 2021–2024 |
| Co-organizer, UW–Madison Sherry Hour | 2021–2024 |
| Co-organizer, UW–Madison Monday Science Seminar | 2020–2023 |
| Presenter, UW–Madison Board of Visitors | 2022 |
| Graduate Applicant Recruiter, SACNAS & NSBP Conferences | 2020–2021 |
| Presenter, Princeton Advisory Council | 2020 |
| Session Chair, Princeton Research Day | 2017 |
| Co-organizer, Princeton Thunch Speaker Series | 2015 |

SELECTED OUTREACH SERVICE EXPERIENCE

I have given **62 talks**, including **51 invited** presentations.

Invited Service:

| | |
|---|--------------|
| Speaker, Lamat REU Mentor Speaker Series | 2020–present |
| Presenter, <i>Learn With An Expert</i> , Milwaukee Public Museum | 2023 |
| Presenter, <i>Science on Tap</i> , Milwaukee Public Museum | 2023 |
| Presenter, <i>Astronomy on Tap</i> , UNLV, UPenn, Princeton, UW–Madison (4x) | 2018–2023 |
| Speaker, UW Space Place | 2023 |
| Instructor, Lamat REU Professional Development Workshops | 2021–2023 |
| Speaker, Society of Physics Students, UNLV, UCSC (2x) | 2015–2023 |
| Speaker, Madison Astronomical Society | 2022 |
| Panelist for the Committee on the Status of Women in Astronomy | 2021 |
| Speaker, European Astronomical Society Annual Meeting | 2021 |
| “ <i>The Value of Building Social Support Networks for Mothers in Astronomy</i> ” | |
| Speaker, NSF NoirLab DEI Seminar | 2021 |
| Speaker, AeroSTEM Academy | 2021 |
| Speaker, The National Society of Black Physicists, University of the Virgin Islands | 2019 |
| Keynote Speaker & Co-organizer, National Chemistry Week | 2018 |
| “ <i>Life Beyond Earth</i> ” (932 attendees) | |
| Keynote Speaker, Gavilan Community College Graduation | 2014 |

Contributed Service

| | |
|--|--------------|
| SETI Institute’s NASA Community College Network Committee Member | 2022–present |
| Organizer & Speaker, <i>Solar System Annual Science Workshop</i> , Lincoln Elementary School | 2022 |
| NASA Hubble Fellowship Program SOC Symposium Committee Member | 2021 |
| Panelist for the NASA Hubble Fellowship Program Application Workshop | 2021 |
| Founder and organizer, The Astrono-Mom Conversation Series | 2020–present |
| Organizer & Mentor, Mastering the Graduate School Application Process | 2018–present |
| *I have provided guidance for more than 150 URM graduate school applicants | |
| Co-founder & Co-organizer, Astronomy on Tap Trenton chapter | 2019–2020 |
| Co-organizer, Young Women’s Conference in STEM, Princeton University | 2017 |

MEDIA & PRESS

New Scientist, *Where are all the exomoons?*, J. O’Callaghan, 2024.
Astronomy Magazine, *Nearest young Earth-sized planet could shed light on how terrestrial worlds evolve*, S. Kuthunur, 2024.
Inside UW, *Earth-sized planet discovered in ‘our solar backyard’*, C. Barncard, 2024.
The Independent, *Scientists find Earth-sized planet shockingly nearby*, A. Griffin, 2024.
Ars Technica, *Astronomers found ultra-hot, Earth-sized exoplanet with a lava hemisphere*, J. Ouellette, 2024.
The Atlantic, *A Different Vision for Earth’s Demise*, J. O’Callaghan, 2024.
Planetarium Film, *Lights Out! Eclipses: Whys, Wonders, & Wows*, Directed by Bob Bonadurer, 2023.
Quanta Magazine, *New Clues for What Will Happen When the Sun Eats the Earth*, J. O’Callaghan, 2023.
AAS YouTube Series *Lithium Enrichment Signatures of Planetary Engulfment Events in Evolved Stars*, 2022.
Badger Talks, *Devoured Worlds: Lessons From Planet-Ingesting Stars*, 2023.
The New York Times, *The Juicy Secrets of Stars That Eat Their Planets*, B. Ferreira, 2022.
Scientific American Magazine, *Women Are Creating a New Culture for Astronomy*, A. Finkbeiner, 2022.
Princeton University Press, *Astronomy on Tap Brings Astrophysicists & the Community Together at a Trenton Pub*, L. Wright, 2019.
New Scientist Magazine, *Stars That Devour Their Planets Get Brighter & Faster*, J. Wenz, 2018.