

## Keaton J. Bell

## Curriculum Vitae

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### RESEARCH INTERESTS

Time domain astronomy; asteroseismology; white dwarf stars; stellar astrophysics; exoplanets

### CURRENT APPOINTMENTS

Assistant Professor, Department of Physics, CUNY Queens College	August 2022–present
Visiting Scientist, American Museum of Natural History	October 2022–present
Guest Researcher, Flatiron Institute Center for Computational Astrophysics	January 2023–present

### PREVIOUS APPOINTMENTS

NSF A&A Postdoctoral Fellow, University of Washington	September 2019–August 2022
Postdoc, Max Planck Institute of Solar System Research, Germany	August 2017–August 2019

### EDUCATION

Ph.D. Astronomy, University of Texas at Austin	July 2017
B.S. Astronomy; B.S. Physics, University of Washington	December 2010

### AWARDS

TESS Cycle 7 Guest Investigator, \$69,986	May 2025
NSF Astronomy and Astrophysics Grant (AST-2406917), \$363,623	August 2024
PSC-CUNY Grant, \$5,945	July 2024
NSF Astronomy and Astrophysics Postdoctoral Fellowship, \$300,000	September 2019

### PUBLICATION SUMMARY

Refereed Publications: 63 total; 8 first-author; [h-index: 29](#)

### RECENT CONFERENCES AND WORKSHOPS

TASC9/KASC19 Workshop, Vienna, Austria	July 2025
New York Area Exoplanets Meeting, NYC	May 2025
ExoNYC, NYC	February 2025
TESS SciCon III, Boston, MA	July 2024
New York Area Exoplanets Meeting, NYC	May 2024
TASC7/KASC14 Workshop, Honolulu, HI	July 2023
lightkurve coding sprint, CCA, NYC	May 2023
KITP White Dwarf Program, Santa Barbara, CA	Oct-Nov 2022
European White Dwarf Workshop, Tübingen Germany	August 2022
MW-Gaia Workshop, Aarhus, Denmark	June 2022
Exoplanets IV, Las Vegas, NV	May 2022
Zwicky Transient Facility Summer School (instructor), online	August 2021
TESS Science Conference II, online	August 2021
Apache Point Observatory Science Symposium, APO (online)	July 2021
PHOEBE Workshop, Villanova University (online)	June 2021
White Dwarfs from Physics to Astrophysics, KITP (online)	March 2021
2021 NSF AAPF Symposium (LOC), online	February 2021

### PROFESSIONAL SERVICE

TESS Asteroseismic Science Consortium (Working Group 8.2 Coordinator)	2017–present
Reviewer: AAS Journals, APS Journals, A&A, MNRAS, RAA, NASA, JOSS, OPTICON	

REFEREED PUBLICATIONS (63 total; 8 first-author; h-index: 29)

63. Uzundag, M., Córscico, A. H., Janssen, N., **et al.** 2025, *Observing bright pulsating white dwarfs with PLATO: A new window into the late stages of stellar evolution*, A&A, submitted
62. Ling Xuan, Y., **Bell, K. J.**, & Dublin, A. 2025, *Gravitational Influence from Planets on the Measured Rates of Period Change of Pulsating White Dwarfs*, AAS Journals, in press
61. Pinsonneault, M. H., Zinn, J. C., Tayar, J., **et al.** 2024, *APOKASC-3: The Third Joint Spectroscopic and Asteroseismic Catalog for Evolved Stars in the Kepler Fields*, ApJS, 276, 69
60. Oliveira da Rosa, G., Kepler, S. O., Soethe, L. T. T., Romero, A. D., and **Bell, K. J.** 2024, *Photometric White Dwarf Rotation*, ApJ, 974, 314
59. Szkody, P., van Roestel, J., **Bell, K. J.**, et al. 2024, *Following the Pulsations in the Long Term Cooling of GW Librae and V386 Serpentis*, AJ, 168, 114
58. Bischoff-Kim, A., and **Bell, K. J.** 2024, *Constraints from Parallaxes and Average Period Spacings in the Asteroseismic Study of 9 DAVs*, ApJ, 970, 27
57. Calcaferro, L. M., Sowicka, P., Uzundag, M., **et al.** 2024, *Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS VI. Asteroseismology of the GW Vir-type central star of the Planetary Nebula NGC 246*, A&A, 686, 140
56. Hernandez, M. S., Schreiber, M. R., Landstreet, J. D., **et al.** 2024, *Rotation Plays a Role in the Generation of Magnetic Fields in Single White Dwarfs*, MNRAS, 528, 6056
55. Uzundag, M., De Gerónimo, F. C., Córscico, A. H., **et al.** 2023, *Asteroseismological analysis of the polluted ZZ Ceti star G 29-38 with TESS*, MNRAS, 526, 2846
54. Pedersen, M. G., and **Bell, K. J.** 2023, *Contamination in TESS Light Curves: The Case of the Fast Yellow Pulsating Supergiants*, AJ, 165, 239
53. Higgins, M. E., and **Bell, K. J.** 2022, *Localizing Sources of Variability in Crowded TESS Photometry*, AJ, 165, 141
52. Oliveira da Rosa, G., Kepler, S. O., Córscico, A. H., **et al.** 2022, *Kepler and TESS Observations of PG 1159-035*, ApJ, 936, 1870
51. Romero, A. D., Kepler, S. O., Amaral, L. A., Uzundag, U., Bognár, Zs., VanWyngarden, M., **Bell, K. J.**, et al. 2022, *Discovery of 72 New Bright ZZ Ceti Stars in the First Three Years of TESS*, MNRAS, 511, 1574
50. Vanderbosch, Z., Hermes, J. J., Winget, D. E., **et al.** 2022, *The Pulsating Helium-Atmosphere White Dwarfs I: New DBVs from the Sloan Digital Sky Survey*, ApJ, 927, 158
49. Córscico, A. H., Uzundag, M., Kepler, S. O., **et al.** 2021, *Pulsating Hydrogen-deficient White Dwarfs and Pre-white Dwarfs Observed with TESS III. Asteroseismology of the DBV Star GD 358*, A&A, 659, 30
48. Lopez, I. D., Hermes, J. J., Calcaferro, L. M., **Bell, K. J.**, et al. 2021, *Discovery, TESS Characterization, and Modeling of Pulsations in the Extremely Low Mass White Dwarf GD 278*, ApJ, 922, 220
47. van Roestel, J., Kupfer, T., **Bell, K. J.**, et al. 2021, *ZTFJ0038+20: A Long Period Eclipsing White Dwarf and a Substellar Companion*, ApJL, 919, L26
46. Uzundag, M., Córscico, A. H., Kepler, S. O., **et al.** 2021, *Pulsating Hydrogen-deficient White Dwarfs and Pre-white Dwarfs Observed with TESS II. Discovery of Two New GW Vir Stars: TIC 333432673 and TIC 095332541*, A&A, 655, A27
45. Audenaert, J., Kuszlewicz, J. S., Handberg, R., **et al.** 2021, *TESS Data for Asteroseismology (T'DA) Stellar Variability Classification Pipeline: Set-Up and Application to the Kepler Q9 Data*, AJ, 162, 209
44. Szkody, P., Goden, P., Gänsicke, B. T., Kafka, S., Castillo, O. F. T., **Bell, K. J.**, et al. 2021, *The Heating and Pulsations of V386 Serpentis after its 2019 Dwarf Nova Outburst*, ApJ, 914, 40
43. Guidry, J. A., Vanderbosch, Z. P., Hermes, J. J., **et al.** 2021, *I Spy Transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility*, ApJ, 917, 125
42. Calcaferro, L. M., Córscico, A. H., Althaus, L. G., and **Bell, K. J.** 2021, *A New Instability Domain of CNO-Flashing Low-mass He-core Pre-White Dwarf Stars*, A&A, 647, A140
41. Kepler, S. O., Vanderbosch, Z., Castanheira, B. G., Winget, D. E., Hermes, J. J., **Bell, K. J.**, et al. 2021, *The Pulsating White Dwarf G117-B15A: Still the Most Stable Optical Clock Known*, ApJ, 906, 7

40. Córscico, A. H., Uzundag, M., Kepler, S. O., et al. 2021, *Pulsating Hydrogen-deficient White Dwarfs and Pre-white Dwarfs Observed with TESS I. Asteroseismology of the GW Vir Stars RX J2117+3412, HS 2324+3944, NGC 6905, NGC 1501, NGC 2371, and K 1–16*, A&A, 645, A117
39. Kuszlewicz, J. S., Hekker, S., and Bell, K. J. 2020, *Clumpiness: Time-Domain Classification of Red-Giant Evolutionary States for Short Time Series*, MNRAS, 497, 4843
38. Vanderbosch, Z., Hermes, J. J., Dunlap, B. H., et al. 2020, *A White Dwarf with Transiting Circumstellar Material Far Outside the Roche Limit*, ApJ, 897, 171
37. Sahoo, S. K., Baran, A. S., Heber, U., et al. 2020, *Mode Identification in Three Pulsating Hot Subdwarfs Observed with TESS Satellite*, MNRAS, 495, 2844
36. Bognár, Zs., Kawaler, S. D., Bell, K. J., et al. 2020, *TESS First Look at Evolved Compact Pulsators: Known ZZ Ceti Stars of the Southern Ecliptic Hemisphere as Seen by TESS*, A&A, 638, A82
35. Montgomery, M. H., Hermes, J. J., Winget, D. E., Dunlap, B. H., and Bell, K. J. 2020, *Limits on Mode Coherence Due to a Non-static Convection Zone*, ApJ, 890, 11
34. Silva Aguirre, V., Stello, D., Stokholm, A., et al. 2020, *Detection and Characterisation of Oscillating Red Giants: First Results from the TESS Satellite*, ApJL, 889, L34
33. Chaplin, W. J., Seremelli, A. M., Miglio, A., et al. 2020, *Age Dating of an Early Milky Way Merger via Asteroseismology of the Naked-eye Star  $\nu$  Indi*, Nature Astronomy, 4, 382
32. Althaus, L. G., Córscico, A. H., Uzundag, M., et al. 2020, *About the Existence of Warm H-rich Pulsating White Dwarfs*, A&A, 633, A20
31. Charpinet, S., Brassard, P., Fontaine, G., et al. 2019, *TESS First Look at Evolved Compact Pulsators: Discovery and Asteroseismic Probing of the G-mode Hot B Subdwarf Pulsator EC 21494-7018*, A&A, 632, A90
30. Bell, K. J., Córscico, A. H., Bischoff-Kim, A., et al. 2019, *TESS First Look at Evolved Compact Pulsators: Asteroseismology of the Pulsating Helium-Atmosphere White Dwarf TIC 257459955*, A&A, 632, A42
29. Kuszlewicz, J. S., Chaplin, W. J., North, T. S. H., Farr, W. M., Bell, K. J., et al. 2019, *Bayesian Hierarchical Inference of Asteroseismic Inclination Angles*, MNRAS, 488, 572
28. Kuszlewicz, J. S., North, T. S. H., Chaplin, W. J., et al. 2019, *KOI-3890: A High Mass-ratio Asteroseismic Red-Giant+M-Dwarf Eclipsing Binary Undergoing Heartbeat Tidal Interactions*, MNRAS, 487, 14
27. Huber, D., Chaplin, W. J., Chontos, A., et al. 2019, *A Hot Saturn Orbiting An Oscillating Late Subgiant Discovered by TESS*, AJ, 157, 245
26. Pelisoli, I., Bell, K. J., Kepler, S. O., and Koester, D. 2019, *The sdA Problem - III. New Extremely Low-mass White Dwarfs and their Precursors from Gaia Astrometry*, MNRAS, 482, 3831
25. Bell, K. J., Hekker, S., and Kuszlewicz, J. 2019, *Coefficients of Variation for Detecting Solar-like Oscillations*, MNRAS, 482, 616
24. Reinhold, T., Bell, K. J., Kuszlewicz, J., Hekker, S., and Shapiro, A. 2019, *Transition from Spot to Faculae Domination: An Alternate Explanation for the Dearth of Intermediate Kepler Rotation Periods*, A&A, 621, A21
23. Bell, K. J., Pelisoli, I., Kepler, S. O., et al. 2018, *The McDonald Observatory Search for Pulsating sdA Stars: Asteroseismic Support for Multiple Populations*, A&A, 617, A6
22. Green, M. J., Hermes, J. J., Marsh, T. R., Steeghs, D. T. H., Bell, K. J., et al. 2018, *A 15.7-Minute AM CVn Binary Discovered in K2*, MNRAS, 477, 5646
21. Tucker, M. A., Fleming, S. W., Pelisoli, I., Romero, A., Bell, K. J., et al. 2018, *White Dwarf Variability with gPhoton: Pulsators*, MNRAS, 475, 4768
20. Bell, K. J., Hermes, J. J., Vanderbosch, Z., et al. 2017, *Destroying Aliases from the Ground and Space: Super-Nyquist ZZ Ceti in K2 Long Cadence Data*, ApJ, 851, 24
19. Hermes, J. J., Gänsicke, B. T., Kawaler, S. D., et al. 2017, *White Dwarf Rotation as a Function of Mass and a Dichotomy of Mode Line Widths: Kepler Observations of 27 Pulsating DA White Dwarfs through K2 Campaign 8*, ApJS, 232, 23

18. Kilic, M., Brown, W. R., Gianninas, A., Curd, B., **Bell, K. J.**, & Allende Prieto, C. 2017, *A Gemini Snapshot Survey for Double Degenerates*, MNRAS, 471, 4218
17. Parsons, S. G., Hermes, J. J., Marsh, T. R., **et al.** 2017, *Two White Dwarfs in Ultrashort Binaries with Detached, Eclipsing, Likely Substellar Companions Detected by K2*, MNRAS, 471, 976
16. Hermes, J. J., Kawaler, S. D., Romero, A. D., **et al.** 2017, *Evidence from K2 for Rapid Rotation in the Descendant of an Intermediate-mass Star*, ApJ, 841, L2
15. Curd, B., Gianninas, A., **Bell, K. J.**, **et al.** 2017, *Four New Massive Pulsating White Dwarfs Including an Ultramassive DAV*, MNRAS, 468, 239
14. **Bell, K. J.**, Gianninas, A., Hermes, J. J., **et al.** 2017, *Pruning The ELM Survey: Characterizing Candidate Low-Mass White Dwarfs Through Photometric Variability*, ApJ, 835, 180
13. **Bell, K. J.**, Hermes, J. J., Montgomery, M. H., **et al.** 2016, *Outbursts in Two New Cool Pulsating DA White Dwarfs*, ApJ, 829, 82
12. Hallakoun, N., Maoz, D., Kilic, M., **et al.** 2016, *SDSS J1152+0248: An Eclipsing Double White Dwarf from the Kepler K2 Campaign*, MNRAS, 458, 845
11. Greiss, S., Hermes, J. J., Gänsicke, B. T., Steeghs, D. T. H., **Bell, K. J.**, **et al.** 2016, *The Search for ZZ Ceti Stars in the Original Kepler Mission*, MNRAS, 457, 2855
10. Kilic, M., Gianninas, A., **Bell, K. J.**, **et al.** 2015, *A Dark Spot on a Massive White Dwarf*, ApJ, 814, L31
9. Hermes, J. J., Montgomery, M. H., **Bell, K. J.**, **et al.** 2015, *A Second Case of Outbursts in a Pulsating White Dwarf Observed by Kepler*, ApJ, 810, L5
8. **Bell, K. J.**, Hermes, J. J., Bischoff-Kim, A., **et al.** 2015, *KIC 4552982: Outbursts and Asteroseismology from the Longest Pseudo-continuous Light Curve of a ZZ Ceti*, ApJ, 809, 14
7. Hermes, J. J., Brown, W. R., Kilic, M., **et al.** 2014, *Radius Constraints from High-speed Photometry of 20 Low-mass White Dwarf Binaries*, ApJ, 792, 39
6. Kepler, S. O., Fraga, L., Winget, D. E., **Bell, K. J.**, **et al.** 2014, *Discovery of a New PG1159 (GW Vir) Pulsator*, MNRAS, 442, 2278
5. Kilic, M., Hermes, J. J., Gianninas, A., **et al.** 2014, *Found: The Progenitors of AM CVn and Supernovae Ia*, MNRAS, 438, L26
4. Hermes, J. J., Montgomery, M. H., Gianninas, A., **et al.** 2013, *A New Class of Pulsating White Dwarf of Extremely Low Mass: The Fourth and Fifth Members*, MNRAS, 436, 3573
3. Hermes, J. J., Montgomery, M. H., Winget, D. E., **et al.** 2013, *Discovery of Pulsations, Including Possible Pressure Modes, in Two New Extremely Low Mass, He-core White Dwarfs*, ApJ, 765, 102
2. **Bell, K. J.**, Hilton, E. J., Davenport, J. R. A., **et al.** 2012, *H $\alpha$  Emission Variability in Active M Dwarfs*, PASP, 124, 14
1. West, A. A., Morgan, D. P., Bochanski, J. J., Andersen, J. M., **Bell, K. J.**, **et al.** 2011, *The Sloan Digital Sky Survey Data Release 7 Spectroscopic M Dwarf Catalog. I. Data*, AJ, 141, 97

#### RESEARCH NOTES

4. **Bell, K. J.**, Ardila, A., Frymire, A. 2023, *Anomalous Flux Event in the TESS Sector 43 Light Curve of the White Dwarf Photometric Standard HZ 4 was Caused by a Passing Asteroid*, RNAAS, 7, 156
3. **Bell, K. J.** 2022, *Gaia Astrometry Challenges the High Central Oxygen Abundance Claimed for the Pulsating Helium-Atmosphere White Dwarf KIC 08626021*, RNAAS, 6, 244
2. **Bell, K. J.** 2020, *TESS Extended Mission 10-Minute Cadence Retains Nyquist Aliases*, RNAAS, 4, 19
1. **Bell, K. J.**, Kosakowski, A., Kilic, M., **et al.** 2019, *A Hot Subdwarf B Star Eclipsed by a Low-Mass White Dwarf in TESS Data*, RNAAS, 3, 81

## WHITE PAPERS

5. Fleming, S. W., Barclay, T., **Bell, K. J.**, et al. 2020 *A High-Cadence UV-Optical Telescope Suite On The Lunar South Pole*, Artemis III Science Definition Team White Paper, arXiv:2010.00007
4. **Bell, K. J.**, Hambleton, K. M., Lund, M. B., and Szabó, R. 2018, *A Cadence to Reduce Aliasing in LSST*, LSST Cadence White Paper, arXiv:1812.03142
3. **Bell, K. J.**, and Hermes, J. J. 2018, *Continuous Cadence Acquisition of the LSST Deep Drilling Fields*, LSST Cadence White Paper, arXiv:1812.03143
2. Lund, M. B., Stassun, K. G., Farihi, J., et al. 2018, *A Higher Cadence Subsurvey Located in the Galactic Plane*, LSST Cadence White Paper, arXiv:1812.03148
1. LSST Science Collaboration, et al. 2017, *Science-Driven Optimization of the LSST Observing Strategy*, arXiv:1708.04058

## BOOK CHAPTERS

1. **Bell, K. J.** 2025, *White Dwarf Variability*, Encyclopedia of Astrophysics, First Edition, Elsevier, Eds: Ilya Mandel

## SELECTED CONFERENCE PROCEEDINGS

5. **Bell, K. J.** 2020, *The Search for Planet and Planetesimal Transits of White Dwarfs with the Zwicky Transient Facility*, IAU Symposium, 357, 37. doi:10.1017/S1743921320000204
4. Szkody, P., Gänsicke, B., Toloza, O., et al. 2020, *Accreting Pulsating White Dwarfs: Probing Heating and Rotation*, IAU Symposium, 357, 131. doi:10.1017/S1743921320000228
3. **Bell, K. J.**, Hermes, J. J., and Kuzlewicz, J. S. 2018, *Constraining Low-Mass White Dwarf Binaries from Ellipsoidal Variations*, 21st European White Dwarf Workshop, in press; arXiv:1809.05623
2. **Bell, K. J.**, Hermes, J. J., Montgomery, M. H., et al. 2016, *The First Six Outbursting Cool DA White Dwarf Pulsators*, 20th European White Dwarf Workshop, 509, 303
1. **Bell, K. J.** 2015, *OnLine Data Management And Interactive Display Software for Time Series Photometry with the ProEM Camera on the McDonald Observatory 82" Otto Struve Telescope*, Frank N. Bash Symposium, Proceedings of Science, BASH2015, 023

## SELECTED POSTERS

7. **Bell, K. J.**, & Higgins, M. *Identifying the Source of Variability with TESS-Localize*, TESS SciCon III, Boston, MA, August 2024
6. **Bell, K. J.**, *Explaining ZZ Ceti Outbursts by Parametric Instability*, 22nd European White Dwarf Workshop, Tübingen, Germany, August 2022
5. **Bell, K. J.**, *Candidate Planets Transiting White Dwarf Stars in Zwicky Transient Facility Data*, Exoplanets IV, Las Vegas, NV, May 2022
4. **Bell, K. J.**, *Pyriod Tutorial: Python Tools for Pre-Whitening Frequency Analysis*, TESS Science Conference II, online, August 2021
3. **Bell, K. J.**, *The TESS View of Pulsating White Dwarfs in the Southern Hemisphere*, IAU Symposium 357, Hilo, HI, October 2019
2. **Bell, K. J.**, Hermes, J. J., and Kuzlewicz, J. S., *Constraining Low-mass White Dwarf Binaries from Ellipsoidal Variations*, 21st European White Dwarf Workshop, University of Texas at Austin, July 2018
1. **Bell, K. J.**, Hekker, S., and Kuzlewicz, J. S., *The Coefficient of Variation Method: Rapid, Robust, Precise, and Fully Automated Detections of the  $\nu_{\max}$  of Solar-like Oscillations*, TASC4/KASC11 Workshop, Aarhus, Denmark, July 2018

## SELECTED TALKS

- Modern White Dwarf Asteroseismology*, Astronomy & Astrophysics Colloquium, Yale University, New Haven, CT, 31 October 2024 (Invited)
- White Dwarf Asteroseismology in the TESS and Gaia Era*, Physics/Astronomy Colloquium, Texas A&M University-Commerce, Online, 16 November 2023 (Invited)
- Compact Pulsators in the TESS/Kepler Era*, TASC7/KASC14 Workshop, Honolulu, HI, July 2023 (Invited)
- Pinning Down Fundamental White Dwarf Properties with Asteroseismology and Astrometry*, Astronomy Seminar, University of Delaware, Newark, DE, 11 April 2023 (Invited)
- An Astrometric and Asteroseismic Synergy for Fundamental White Dwarf Properties*, CCA Colloquium, Flatiron Institute, NYC, NY, 10 March 2023 (Invited)
- The Disappearing White Dwarf Survey*, White Dwarfs from Physics to Astrophysics, KITP, Santa Barbara, CA, 14 November 2022
- An Asteroseismology and Astrometry Synergy for Accurate White Dwarf Parameters*, MW-Gaia Workshop, Aarhus, Denmark, 15 June 2022
- Asteroseismology and Astrometry Synergy for Accurate White Dwarf Parameters*, Stellar Seminar Series, Max Planck Institute for Astrophysics, Garching, Germany, 8 June 2022
- White Dwarf Astronomy in the Era of Large Time-Domain Surveys*, Physics Colloquium, CUNY Queens College, Flushing, NY, 30 March 2022
- The Search for Planets Transiting White Dwarfs from APO*, Apache Point Observatory Science Symposium, Online, 27 July 2021
- The Seismic Technique for Obtaining Fundamental White Dwarf Parameters*, Online Meetings on Evolved Stars and Systems III, Online, 6 April 2021
- Fundamental White Dwarf Parameters with TESS and Gaia*, Remote Astronomy Seminar, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, 7 October 2020 (Invited)
- Discovering the First Exoplanets Around White Dwarf Stars with the Zwicky Transient Facility*, NSF Astronomy and Astrophysics Postdoctoral Fellows Symposium, Honolulu, HI, 03 January 2020
- The Search for Transiting Planets and Planetesimals with the Zwicky Transient Facility*, IAU Symposium 357: White Dwarfs as Probes of Fundamental Physics, Hilo, HI, 22 October 2019
- Fully Automated Solar-Like Oscillation Detections with the Coefficient of Variation Method*, TASC5/KASC12, MIT, Cambridge, MA, 25 July 2019
- A New View of White Dwarf Pulsations from Kepler and K2*, Astro Lunch, University of Washington, Seattle, WA, 25 September 2018
- Ensemble Properties of Pulsational Outbursts from Cool ZZ Ceti Stars Observed by Kepler/K2*, 21st European White Dwarf Workshop, The University of Texas at Austin, Austin, TX, 25 July 2018
- Pulsating White Dwarf Stars: New Results from Kepler and K2*, Astrophysics Colloquium, Institute for Astrophysics, University of Göttingen, Göttingen, Germany, 26 April 2018
- New Revelations about White Dwarf Pulsations from Kepler and K2*, TAC Seminar, Theoretical Astrophysics Center, UC Berkeley, Berkeley, CA, 17 April 2017 (Invited)

## SELECTED PUBLIC OUTREACH

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|---|----------------------|
| AAVSO How To! Series, Invited Speaker, Online                 | 1 October 2022       |
| Seattle Science Slam, Winning Speaker, Seattle, WA            | 11 May 2022          |
| Astronomy at Home Seattle, Speaker, Seattle, WA               | 8 October 2020       |
| Letters to a Pre-Scientist, Pen Pal                           | August 2019–May 2020 |
| Astronomy on Tap Seattle, Speaker, Seattle, WA                | 26 February 2020     |
| Night of Science, Kids' Program Volunteer, Göttingen, Germany | 26 January 2019      |
| Girl Day STEM Festival, Astronomy Booth Volunteer, Austin, TX | 25 February 2017     |

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