

# Alice Olmstead

Assistant Professor of Physics, Texas State University  
*Curriculum Vitae*

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Department of Physics  
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**EDUCATION** Postdoctoral research, Center for Research on Instructional Change in Postsecondary Education, Western Michigan University 2016-2018  
*Ph.D.*, Astronomy, University of Maryland. Thesis: *An Assessment of Professional Development for Astronomy and Physics Faculty: Expanding Our Vision of How to Support Faculty's Learning About Teaching*, Advisor: Dr. Chandra Turpen 2016  
*M.S.*, Astronomy, University of Maryland 2013  
*B.S.*, Astronomy & Physics (Mathematics minor), Boston University 2009

**HONORS** Presidential Distinction Award for Excellence in Service, Texas State University 2022  
College Achievement Award for Excellence in Service, Texas State University 2021  
Presidential Distinction Award for Excellence in Service, Texas State University 2020  
College of Computer, Mathematical and Physical Sciences Dean's Fellowship, University of Maryland 2010, 2014  
Distinguished Teaching Assistant Award, University of Maryland 2012  
Chambliss Astronomy Achievement Award, American Astronomical Society 2012

**GRANTS & OTHER AWARDS** Supplement to NSF #1914857 "Furthering the Work of STEM Undergraduate Transformation: Modeling Instructional Change Teams," \$99,947. PI **Olmstead**. 2021-2023  
NSF #1928696 "Building Capacity: Creating Faculty-Student Communities for Culturally Relevant Institutional Change," \$2,499,933. PI Galloway, Co-PIs **Olmstead**, Close, Luxford, & Feng 2019-2024  
NSF #1914857 "Furthering the Work of STEM Undergraduate Transformation: Modeling Instructional Change Teams," \$464,671. PI **Olmstead**. Collaborative with NSF #1914880, PI Beach, Co-PI Henderson (WMU) 2020-2022  
Collaborator on University of Maryland Elevate Fellows Course Redesign Award, for introductory astronomy for majors 2015  
University of Maryland Goldhaber Travel Award 2014  
Collaborator on "Workshops and Learning Communities for Physics and Astronomy Faculty," NSF #1431681 2014  
ASP Cosmos in the Classroom Travel Award 2013  
AAS International Travel Award 2012  
University of Maryland International Conference Student Support Award 2012  
University of Maryland Goldhaber Travel Award 2012

**RESEARCH FOCUS** Strategies for supporting instructional / institutional change efforts in undergraduate STEM including instructional change teams, teaching workshops, online instructional communities, and local instructional communities; strategies for supporting student reasoning about ethics, physics/STEM, and society.

**PUBLICATIONS**  
(advisees  
underlined)

1. **A. Olmstead**, B. Gutmann, E. Ochoa-Madrid, A. Vasquez, C. Pike, & D. Barringer, (2023). *How can we design instruction to support student reasoning about physicists' ethical responsibilities in society?* The Physics Teacher, **61**, 343.
2. F. Abdurrahman & **A. Olmstead**, 2021. *Objectivity, culturelessness, and apoliticism: how cultural beliefs prevent the advancement of equity in astronomy graduate programs*, presented at the Physics Education Research Conference 2021.
3. B. Gutmann, E. Ochoa-Madrid, & **A. Olmstead**, 2020. *"I'm not that important": Barriers and bolsters to student agency during conversations about the intersections of physics and ethics*, presented at the Physics Education Research Conference 2020.
4. D. Sachmpazidi, **A. Olmstead**, C. Henderson & A. Beach, 2021. *Team-based instructional change in undergraduate STEM: Characterizing effective faculty collaboration*. International Journal of STEM Education, 8:15.
5. D. Barringer, **A. Olmstead**, & A. Maldonado, 2020. *Benefits of a student-led astronomy club: Lessons to inform instructional design*, presented at the Physics Education Research Conference 2019.
6. E. Ochoa-Madrid, **A. Olmstead**, & B. Gutmann, 2020. *Characterizing physics students' ethical reasoning after a unit on the development of the atomic bomb*, presented at the Physics Education Research Conference 2019.
7. **A. Olmstead**, A. Beach & C. Henderson, 2019. *Supporting improvements to undergraduate STEM instruction: An emerging model of instructional change teams*. International Journal of STEM Education, 6:20.
8. **A. Olmstead** & C. Turpen, 2018. *Curriculum swaps as a pathway into a geographically- distributed community*. presented at the Physics Education Research Conference 2018.
9. **A. Olmstead**, C. Henderson & A. Beach, 2017. *Managing teams for instructional change: Understanding three types of diversity*. presented at the Physics Education Research Conference 2017.
10. **A. Olmstead** & C. Turpen, 2017. *Pedagogical sensemaking or "doing school": In well-designed workshop sessions, facilitation makes the difference*, Physical Review Physics Education Research, 13, 020123.
11. C. Turpen, **A. Olmstead** & H. Jardine, 2016. *A case of physics faculty engaging in pedagogical sense-making*. Physics Education Research Conference Proceedings 2016, 356-359.
12. **A. Olmstead** & C. Turpen, 2016. *Assessing the interactivity and prescriptiveness of faculty professional development workshops: The real-time professional development observation tool (R-PDOT)* , Physical Review Physics Education Research, 12, 020136.
13. **A. Olmstead** & C. Turpen, 2015. *"I got in trouble": A case study of faculty doing school during professional development*, Physics Education Research Conference Proceedings 2015, 243-246.
14. **A. Olmstead**, J. R. Rigby, M. Swinbank, & S. Veilleux, 2014. *A Magnified View of Star Formation at  $z=0.9$  from Two Lensed Galaxies*. Astronomical Journal, 148, 65.
15. I. Agudo et al., 2011. *On the Location of the  $\gamma$ -Ray Outburst Emission in the BL Lacertae Object AO 0235+164 Through Observations Across the Electromagnetic Spectrum*. Astrophysical Journal Letters, 725, 1, L10. (**30th of 41 authors**)

16. A. P. Marscher *et al.*, 2010. *Probing the Inner Jet of the Quasar PKS 1510-089 with Multi-Waveband Monitoring During Strong Gamma-Ray Activity*. *Astrophysical Journal Letters*, 710, 2, L126-L131. (**24th of 32 authors**)
17. R. Chatterjee *et al.*, 2009. *Disk-Jet Connection in the Radio Galaxy 3C 120*. *Astrophysical Journal*, 704, 2, 1689-1703. (**4th of 36 authors**)
18. A.P. Marscher *et al.*, 2008. *The inner jet of an active galactic nucleus as revealed by a radio-to-gamma-ray outburst*. *Nature*, 452, 966-969. (**8th of 23 authors**)
19. E. Bass, M. Oppenheim, J. Chau, 2008. & **A. Olmstead**, 2008. *Improving the Accuracy of Meteoroid Mass Estimates from Head Echo Deceleration*. *Earth Moon & Planets*, 102, 1-4, 379-382.

**POSTERS  
& TALKS  
(advisees  
underlined)**

1. C. Pike, A. Vasquez, **A. Olmstead**, B. Gutmann, & D. Barringer, *Analyzing Students' Discussions about Ethical Dilemmas in Physics*, American Association of Physics Teachers Virtual Winter meeting, 2022.
2. A. Vasquez, C. Pike, **A. Olmstead**, B. Gutmann, & D. Barringer, *Students' reflections about an ethical dilemma in physics*, American Association of Physics Teachers Virtual Winter meeting, 2022.
3. **A. Olmstead**, *Working to Reshape Undergraduate STEM Through Reflection and Action*, Plenary Panel, 2021 STEM Librarians South Conference, Texas State University, 2021.
4. J. An, M. Tuvilla, **A. Olmstead**, C. Luxford, E. Close, L. Feng, V. Koka, C. Turpen, & H. Galloway, *Creating culturally responsive STEM learning environments through community building at an HSI*, Transforming Institutions Virtual Conference, 2021.
5. L. Feng, E. Close, C. Luxford, J. An, **A. Olmstead**, M. Tuvilla, H. Galloway, & V. Koka, *Transforming Undergraduate STEM Education: An Exploratory Analysis of the Learning Assistant Model and Student Outcomes*, Association for Education Finance and Policy 46th Annual Conference, 2021.
6. J. An, M. Tuvilla, **A. Olmstead**, C. Luxford, E. Close, L. Feng, V. Koka, C. Turpen, & H. Galloway, *A team-based approach to building inclusive and equitable STEM learning environments at a Hispanic Serving Institution*, X-DBER Virtual Conference, 2021.
7. **A. Olmstead**, *Building Effective Instructional Change Teams to Improve Undergraduate STEM Courses*, Colorado School of Mines Virtual Physics Colloquium, 2021.
8. **A. Olmstead**, E. Close, M. Tuvilla, B. Gutmann, E. Ochoa-Madrid, J. An, C. Luxford, L. Feng, & H. Galloway, *Practical Recommendations for Cultivating Sustained STEM Instructional Change at HSIs*, American Association of Physics Teachers Virtual Winter meeting, 2021.
9. A. Thompson, **A. Olmstead**, D. Sachmpazidi, C. Luxford, A. Beach, & C. Henderson, *Instructional Change Teams: An Exploratory Model*, American Association of Colleges and Universities Virtual Conference on Transforming STEM Higher Education, 2020.
10. B. Gutmann & **A. Olmstead**, *Factors which enable and limit student reasoning about ethics, science, and society in the classroom*, University of Utah Virtual Physics Colloquium, 2020.

11. B. Gutmann, E. Ochoa-Madrid, & **A. Olmstead**, “*I’m not that important*”: *Barriers and bolsters to student agency during conversations about the intersections of physics and ethics*, American Association of Physics Teachers Summer meeting, 2020.
12. A. Vasquez, B. Gutmann, D. Barringer, & **A. Olmstead**, *Lessons from Teaching Ethics Using the Thirty Meter Telescope Controversy*, American Association of Physics Teachers Summer meeting, 2020.
13. B. Gutmann, E. Ochoa-Madrid, A. Vasquez, D. Barringer, & **A. Olmstead**, *Facilitating Ethics Discussions in Physics Classrooms at Texas State University*, American Association of Physics Teachers Summer meeting, 2020.
14. D. Barringer, **A. Olmstead**, A. Maldonado, & R. Najjar, *Designing for Cultural Relevance in Observational Astrophysics at Texas State*, American Association of Physics Teachers Summer meeting, 2020.
15. E. Ochoa-Madrid, B. Gutmann, & **A. Olmstead**, *Examining Physics Students’ Interpretation and Application of an Ethical Framework During a Unit on the Development of the Atomic Bomb*, American Physical Society March Meeting, 2020.
16. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach. *An emerging model of instructional change teams*, accepted to National Association of Research in Science Teaching Conference, 2020.
17. A. Vasquez, B. Gutmann, D. Barringer, & **A. Olmstead**, *How can we teach ethics using a case study of the Thirty Meter Telescope?*, America Physical Society National Mentoring Conference, 2020.
18. **A. Olmstead**, *Cultivating faculty-student partnerships: Using a theory of change to catalyze culturally relevant undergraduate STEM instruction*, Be the Disruption: Towards Transformative Practices in STEM Education Conference, University of Texas-Rio Grande Valley, 2020.
19. B. Gutmann & **A. Olmstead**, *Learning to support STEM students’ ethical reasoning: Two design-based case studies from undergraduate physics*, Be the Disruption: Towards Transformative Practices in STEM Education Conference, University of Texas-Rio Grande Valley, 2020.
20. B. Gutmann, E. Ochoa-Madrid, A. Vasquez, D. Barringer, **A. Olmstead**, *Lessons learned from classroom conversations about ethics, science, and society*, American Association of Physics Teachers virtual winter meeting, 2020.
21. **A. Olmstead**, E. Close, L. Feng, C. Luxford, & H. Galloway, *Creating faculty-student communities for culturally relevant institutional change*, International Learning Assistant Research Symposium and Conference, 2019.
22. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *A. An expanded model of instructional change teams in higher education*, Michigan Section American Association of Physics Teachers meeting, 2019.
23. D. Barringer, **A. Olmstead**, & A. Maldonado, *First steps towards building curriculum around student interests in astronomy*, American Association of Physics Teachers Summer meeting, 2019.
24. E. Ochoa-Madrid, **A. Olmstead**, & B. Gutmann, *Characterizing physics students interpretations of an ethical framework*, American Association of Physics Teachers Summer meeting, 2019.
25. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *Designing for sustained improvements: unpacking how instructional change teams work*, American Association of Physics Teachers summer meeting, 2019.

26. A. Maldonado, **A. Olmstead**, D. Sachmpazidi, A. Beach, & C. Henderson, *Benefits and Challenges of STEM Instructional Change Teams*, Texas State University Undergraduate Research Conference, 2019.
27. **A. Olmstead**, *Designing and sustaining student-centered instruction in astronomy: Lessons learned from research and practice*, Trinity University Physics Colloquium, 2019.
28. **A. Olmstead**, *Researching and implementing instructional change teams*, Building Astronomy in Texas 2019.
29. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *Team-based instructional change: The importance of shared vision*, American Association of Physics Teachers Winter meeting, 2019.
30. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *Team-based instructional change teams: Participants' perspectives*, American Association of Physics Teachers Winter meeting, 2019.
31. **A. Olmstead**, D. Sachmpazidi, A. Beach, & C. Henderson, *Examining differences in how instructional change teams are set up*, American Association of Physics Teachers Winter meeting, 2019.
32. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *Towards a model of instructional change teams: Participants' perspectives*, American Association of Physics Teachers regional meeting (Michigan/Ohio section), 2018.
33. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach, *Investigating participant's perspectives on what leads to instructional team success*, American Association of Physics Teachers Summer meeting, 2018.
34. **A. Olmstead**, D. Sachmpazidi, A. Beach, & C. Henderson, *An emerging framework for understanding instructional development teams*, American Association of Physics Teachers Summer meeting, 2018.
35. **A. Olmstead**, C. Henderson, A. Beach, D. Sachmpazidi. *Striving for sustained improvements to undergraduate STEM instruction: An emerging model for understanding instructional development teams*, Network of STEM Education Centers conference, 2018.
36. D. Sachmpazidi, **A. Olmstead**, C. Henderson, & A. Beach. *Investigating characteristics of instructional change teams in STEM higher education*, American Association of Physics Teachers regional meeting (Michigan/Ohio section), 2018 (Spring).
37. **A. Olmstead**, C. Henderson, & A. Beach, *Managing teams for instructional change: Understanding three types of diversity*, American Association of Colleges and Universities: Transforming Undergraduate STEM Education conference, 2017.
38. **A. Olmstead**, C. Henderson, & A. Beach, *Managing teams for instructional change: Understanding three types of diversity*, American Association of Physics Teachers Summer meeting, 2017.
39. **A. Olmstead** & C. Turpen. *How can we work to hone our practice and improve our students' experiences?*, Chicago State University, STEM seminar, 2016.
40. **A. Olmstead** & C. Turpen. *Teaching physics in the classroom: How can we work to hone our practice and improve our students' experiences?*, Western Michigan University, Physics colloquium, 2016.

41. **A. Olmstead** & C. Turpen. *An assessment of professional development in astronomy and physics: Expanding our vision of how to support faculty's learning about teaching*, Michigan State University Physics, Education Research Lab seminar, 2016.
42. **A. Olmstead** & C. Turpen, *Assessing the interactivity and prescriptiveness of faculty professional development workshops*, American Association of Physics Teachers Summer meeting, 2016.
43. **A. Olmstead**, C. Turpen, & E. E. Prather, *Researching ourselves: How are we helping faculty to change their teaching?*, Tools for Evidence-Based Action Conference, 2016
44. **A. Olmstead**, C. Turpen, & E. E. Prather, *Researching ourselves: How are we helping faculty to change their teaching?*, American Association of Physics Teachers Summer meeting, 2015
45. D. Richardson, **A. Olmstead**, F. Abdurrahman, Bostrom, A., Scott, S., M. Hayes-Gehrke, *Creating opportunities for astronomy majors to collaborate in introductory courses*, American Association of Physics Teachers Summer meeting, 2015
46. D. Richardson, F. Abdurrahman, **A. Olmstead**, Scott, S., M. Hayes-Gehrke, *Teaching the skills of professional astronomy through collaborative introductory labs*, American Association of Physics Teachers Summer meeting, 2015
47. F. Abdurrahman, **A. Olmstead**, D. Richardson, C. Turpen, M. Hayes-Gehrke, *How LAs Can Connect Transformed Courses*, Mid-Atlantic Learning Assistant Regional Workshop, 2015
48. **A. Olmstead**, C. Turpen, & E. E. Prather, *How should we teach faculty about research-based teaching?*, American Astronomical Society 225th meeting, 2015
49. **A. Olmstead**, S. Kohler, & the Astrobites Team, *Preparing Undergraduates for Research Using Astrobites in the Classroom*, American Astronomical Society of the Pacific 125th meeting, 2013
50. **A. Olmstead**, J. Rigby, M. Swinbank, & S. Veilleux, *A magnified view of star formation at  $z=0.9$  from two lensed galaxies*, American Astronomical Society 219th meeting, 2012
51. **A. Olmstead et al.**, *Optical Monitoring of a Sample of Gamma-ray Blazars at the Maria Mitchell Observatory*, American Astronomical Society 213th meeting, 2008

**CLASSROOM  
TEACHING  
EXPERIENCE**

*Texas State University: Department of Physics & Honors College*

1. Lead Instructor, PHYS 3312: Modern Physics 5 semesters, 2018-present
2. Lead Instructor, HON 3210: STEM Cognition and Pedagogy 2021
3. Lead Instructor, HON 3399I: Ethics, Science, and Society 2020
4. Lead Instructor, PHYS 3210: Physics Cognition and Pedagogy 2019

*University of Maryland: Department of Astronomy*

1. Lead Instructor, ASTR100/101: Intro. to Astronomy 2 semesters, 2013-2014
2. Teaching Assistant, ASTR101: Introduction to Astronomy 2014
3. Co-instructor, ASTR121: Introductory Astrophysics II-Stars & Beyond 2013
4. Teaching Assistant, ASTR120: Introductory Astrophysics-Solar System 2011
5. Teaching Assistant, ASTR101: Introduction to Astronomy 2010-2011

University of California, Santa Barbara

1. Campus Learning Assistance Services Tutor 2009-2010

**MENTORING  
EXPERIENCE**

*Postdoctoral Level Advisees*

- Alicia Montecinos 2022-present
- Madison Fitzgerald-Russell 2022-present
- Charles Ramey II 2021-present
- Amreen Nasim Thompson 2020-2022
- Mavreen Rose Tuvilla 2020-2021
- Brianne Gutmann 2019-2021

*Graduate Level Advisees: Research*

- Fatima Abdurrahman (informal) 2020-2021
- Eglá Ochoa-Madrid 2019-2020
- Diana Sachmpazidi 2017-2021
- Hannah Jardine (junior advisor) 2016

*Graduate Level Advisees: Instructional Assistants*

- Anival Ayala 2018-2019
- Holly Sheets (junior advisor) 2013

*Undergraduate Level Advisees: Research*

- Alexis (Lexie) Kerr 2023
- Hannah Castro 2020; 2022-2023
- Itzel Herrera 2022
- Ciana Pike 2021-2022
- Alexander Vasquez 2019-2022
- Rose Najar 2019
- Audiel Maldonado 2019
- Kayley Green-Tooney 2019

*Undergraduate Level Advisees: Instructional Assistants*

- Ciana Pike 2022
- Alexander Vasquez 2021
- Erin Eastep 2020
- Greer Vincent 2019
- Daniel Chonis 2019
- Noel Gamez 2018
- Fatima Abdurrahman 2014
- Justin Tervala 2014
- Sarah Scott 2014

**LEADERSHIP  
ROLES  
(SERVICE)**

Programmatic Co-Lead, STEM Communities Project  
Co-Director, Physics Learning Assistant Program  
Interim Director, Physics Learning Assistant Program

Fall 2019-*present*  
Spr. 2020-*present*  
Fall 2019

*Tasks in these roles have included:* Working collaboratively with other faculty (project co-PIs, physics faculty) and a dean; working collaboratively with and mentoring post-doctoral advisees; teaching the pedagogy course for first-semester LAs; recruiting, selecting, and scheduling LAs; planning and leading multi-day events for faculty-student course redesign teams; planning and leading start-of-semester kickoff events for faculty and LAs; planning and leading community gatherings at weekly preparation sessions with faculty, LAs, and graduate instructional assistants; coordinating and facilitating monthly gatherings with faculty team leaders; coordinating and facilitating meetings with student leaders; planning and leading professional development events for STEM faculty; preparing and sharing project newsletters and other advertisements; representing the project at local events; liaising with our director of faculty development; evaluating outcomes of programmatic work; writing reports and other internal documents; designing and maintaining the project website.

*Supported courses:*

- BIO 1330: Functional Biology
- BIO 1331: Organismal Biology
- CHEM 1341: General Chemistry I
- CHEM 3375: Principles of Biochemistry
- MATH 2472: Calculus II
- PHYS 1335: General Physics I for Life Sciences
- PHYS 1430: Mechanics
- PHYS 2425: Electricity and Magnetism
- PHYS 2435: Waves and Heat

**WORKSHOPS  
LED (as an  
advisor, lead  
designer, and/or  
facilitator)**

*Multi-Day Events - Local (Texas State University)*

1. 2023 STEM Communities Summer Institute for Course Redesign Teams. 5 days, in person.
2. 2022 STEM Communities Summer Institute for Course Redesign Teams. 8 days, in person.
3. 2021 STEM Communities Summer Institute for Course Redesign Teams. 8 days, synchronous online.
4. Summer 2020 Online STEM Teaching Workshop. 5 days, synchronous online.

*Short Workshops - Local (Texas State University)*

1. *Taking the Power from Stereotypes and Microaggressions* 2021; 2022
2. *Identity and its Influence on Learning* 2021; 2022
3. *Traditional, Progressive and Culturally Responsive Teaching* 2021; 2022
4. *STEM Communities Newcomers Welcome* 2021
5. *Celebrating the End of Spring Semester and Planning What's Next* 2021
6. *Using Case Studies in STEM Teaching* 2021
7. *Peer Classroom Observation* (3-part series) 2021
8. *Understanding First-Generation LatinX Student Experiences* 2021



9. *Confronting Racism in Our STEM Fields* 2021
10. *How Do We Support Each Other This Spring Semester?* 2021
11. *Sharing Strategies for Engaging Students Online* 2021
12. *Improving Our Teaching and Normalizing Feedback* (4-part series) 2020
13. *Community Support Session* 2020
14. *Build Your Teaching Dream Team* 2020; 2021
15. *Digging Deeper: Leveraging Learners' Strengths* 2020
16. *Leveraging Learners' Strengths in Our Instruction* 2020
17. *Digging Deeper: First Day Hacks* 2020
18. *Beating the Back to School Blues* 2020
19. *First Day Hacks: Strategies to Get to Know Our Students Better* 2020
20. *Supporting Black Students in STEM during an Era of Police Violence and Social Uprising* 2020
21. *STEM Community Support Sessions* 2020
22. *The Science Identity of College Students: Exploring the Intersection of Gender, Race, and Ethnicity* 2020
23. *Effective Use of Peer Instruction in Large Classes* 2020

*Workshop Sessions - National*

1. *Transforming Your Course with LAs*, International Learning Assistant Virtual Conference 2021
2. *Targeted Instructional Change*, American Association of Physics Teachers' Physics & Astronomy New Faculty Workshop (2 iterations) 2018
3. Mid-Atlantic Learning Assistant Regional Workshop Session 2016
4. Rowan University Learning Assistant Workshop Session 2015

**ADDITIONAL SERVICE**

- Member at Large, American Physical Society, Group on Physics Education Research: Executive Committee 2022-present
- Participant, “Measuring the Success of Institutional Efforts at Hispanic-Serving Institutions” Virtual Workshop Series 2021
- Advisory Board Member, West Virginia University Center for Gravitational Waves and Cosmology 2020-present
- Member, American Physical Society National Mentoring Community Conference Programming Committee 2020
- Member, Accelerating Systemic Change Network Working Group 1: Guiding Theories 2020-2021
- Faculty advisor, Texas State Society of Women in Physics 2019-2020
- Participant, “Breaking Down Silos” (working meeting on change theory), San Diego State University 2019
- Member, American Astronomical Society Committee for the Status of Women in Astronomy 2018-2019
- Member, American Astronomical Society Education Task Force 2016
- Co-organizer, University of Maryland, “Better Astronomy for the New Generation” seminar series 2015-2016

- Member, University of Maryland, Department of Astronomy, Equity & Inclusion Committee 2015-2016
- President, University of Maryland, Department of Astronomy, Women in Astronomy Mentoring group 2013-2016

**PROFESSIONAL** American Association of College and Universities

**MEMBERSHIPS** American Association of Physics Teachers

American Physical Society

## REFERENCES

Dr. Heather Galloway  
 Dean, Honors College  
 Professor, Department of Physics  
 Texas State University  
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 galloway@txstate.edu

Dr. Andrea Beach  
 Co-Director, Center for Research on Instructional Change in Postsecondary Education  
 Professor, Educational Leadership in Higher Education  
 Western Michigan University  
 (269) 387-1725  
 andrea.beach@wmich.edu

Dr. Chandra Turpen  
 Research Assistant Professor, Department of Physics  
 University of Maryland  
 (301) 314-1868  
 turpen@umd.edu