

**Liza M. Bondurant**  
[lb2206@msstate.edu](mailto:lb2206@msstate.edu)

### **Academic History:**

Ph.D., Mathematics Education, University at Albany, SUNY, 2013.  
M.S., Secondary Math Education, University at Albany, SUNY, 2006.  
B.S., Mathematics, University at Albany, SUNY, 2005.

### **Professional Experience:**

2023 - Present	Associate Professor	Mississippi State University
2012 - Present	Facilitator, Writer, Editor	Illustrative Mathematics
2013 - 2023	Associate Professor	Delta State University
2020 - 2022	Writer	Math Nation
2019 - 2020	Tutor, Grader	Art of Problem Solving
2019 - 2020	Reviewer	EdReports
2014 - 2018	Writer, Webmaster, Instructor	Math Science Partnership
2016 - 2018	Editor for College Textbooks	CK-12
2009 - 2013	Instructor, Research Assistant	University at Albany, SUNY
2009 - 2011	Instructor	John Hopkins University
2009 - 2012	Math Teacher	HFM BOCES
2006 - 2009	Math Teacher	Taconic Hills CSD
2005 - 2006	Math Teacher	Albany CSD

### **Peer-Reviewed Journal Articles**

#### **Under Initial Review**

**Bondurant, L.**, Jansen, A. Introducing rough draft math to math teachers to foster student engagement and learning. *Journal of Mathematics Education Leadership*.

**Bondurant, L.** Incremental growth through professional learning communities of math teachers engaged in action research projects. *Education Sciences*.

**Bondurant, L.**, & Roscioli, K. Escape the crop circle conundrum. *Scatterplot*.

Troup, J., **Bondurant, L.**, Bertolone-Smith, C., Moss, D., & Soto, H. Rehumanizing mathematics through multimodal microanalysis. *School Science and Mathematics*.

#### **Currently Revising**

Berryhill, A., Chandler, L., & **Bondurant, L.** A narrative inquiry into building thinking classrooms. *The Mathematics Educator*.

**Bondurant, L.**, York, C., Hodge-Zickerman, A., & Stade, E. Perceptions of secondary mathematics teacher candidates on a statistics TACTivity aimed at promoting equitable teaching practices. *Teaching Statistics*.

#### **Revised and Resubmitted**

**Bondurant, L.**, Wilburne, J., & Franz, D. Sociopolitical noticing of equity vignettes alignment with educator mindsets for equity. *Mathematics Teacher Educator*.

**Bondurant, L.**, Young, J., Franz, D., & Wilburne, J. Sorting it out: Q-Sort self-assessment of equity & access beliefs. *Mathematics Teacher: Learning and Teaching PK-12*.

Sapkota, B., & **Bondurant, L.** Affordances and limitations of using video conferencing platforms to self-capture instruction. *Mathematics Teacher Educator*.

**Bondurant, L.**, & Ortiz-Glarza, M. Don't judge a book by its cover? Building teachers' awareness of the importance of racial representation in children's libraries. *TEEM*.

**Bondurant, L.**, Rutherford, R., & Sharp, S. Integrating pedagogy and mathematics content in a content-focused professional development. *Mathematics Teacher Educator*.

#### **In Press**

Colonnese, M., Sapkota, B., Lee, C., Bondurant, L., Benoit, G., Pai, G., & Howell, H. Exploring simulations in mathematics teacher education. *Connections*.

Thanheiser, E., Velasco, R., Bay-Williams, J., **Bondurant, L.**, & Lai, Y. Critical conversations of engaging with the AMTE standards. *Journal for Theoretical & Marginal Mathematics Education*.

**Bondurant, L.** Exploring preservice elementary teachers' reflections following facilitation of mathematics discussions in mixed-reality simulations. *Journal of Educational Research in Mathematics*.

King, B., Ramsay-Jordan, N., Burris, J., Orr, S., Desai, S., & **Bondurant, L.** (2024). The equity committee book club: Deepening comprehension and elevating conversations about equity. *Connections*, 33(5).

<https://www.amte.net/connections>

## **Published**

- Bondurant, L., & Young, J.** Sorting out equity: The q-sort method in mathematics education research. *Journal of Urban Mathematics Education*, (17)1, 84-103. <https://doi.org/10.21423/jume-v17i1>
- Bondurant, L.** (2024). Skyscrapers. *MAA FOCUS*, 40. Mathematics Association of America (MAA). <http://digitaleditions.walworthprintgroup.com/publication/?m=7656&i=827930&view=archiveBrowser&ver=html5>
- Hudson, R., Stevens-Balducci, P., **Bondurant, L.**, Dean, L., Putnam, C. (2024). Embodied explorations of slope. *Mathematics Teacher: Learning and Teaching PK-12*, 117(8), 570-578. <https://doi.org/10.5951/MTLT.2023.0371>
- Bondurant, L. & Somersille, S.** (2024). Cultivating critical statistical literacy in the classroom. *Mathematics Teacher: Learning and Teaching PK-12*, 117(7), 507-511. <https://doi.org/10.5951/MTLT.2023.0303>
- Bondurant, L.** (2024). Why expanding access to algebra is a matter of civil rights. *The Conversation*. <https://theconversation.com/why-expanding-access-to-algebra-is-a-matter-of-civil-rights-231364>
- Berryhill, A., Chandler, L., **Bondurant, L.**, & Sapkota, B. (2024). Using ChatGPT as a thought partner in writing relevant proportional reasoning word problems. *Connections*, 33(4). <https://www.amte.net/connections/summer-2024>
- Viriden, C., Dean, L., & **Bondurant, L.** (2024). The impact of after-school math club on elementary student math anxiety. *Journal of Math Circles*, 3(1). <https://digitalcommons.cwu.edu/mathcirclesjournal/vol3/iss1/2>
- Sapkota, B., & **Bondurant, L.** (2024). Assessing concepts, procedures, and cognitive demand of ChatGPT-generated mathematical tasks. *International Journal of Technology in Education*, 7(2), 218-238. <https://doi.org/10.46328/ijte.677>
- Bondurant, L., & McConchie, L.** (2024). Drawing a positive math identity: Portrait of a math person. *Mathematics Teacher: Learning and Teaching PK-12*, 117(2), 115-120. <https://doi.org/10.5951/MTLT.2023.0226>
- Boyd, S., **Bondurant, L.**, & Johnson, A. (2024). Adapt it! Create your own skyscraper puzzles. *Mathematics Teacher: Learning and Teaching PK-12*, 117(1), 47-51. <https://doi.org/10.5951/MTLT.2023.0112>
- Bondurant, L., & Dean, L.** (2023). Catapults, bouncy dice, and glowsticks: Coaching a crazy 8s club. *MAA FOCUS*, 34-36. Mathematics Association of America (MAA). <http://digitaleditions.walworthprintgroup.com/publication/?i=809747>
- Bondurant, L., & Rivera, S.** (2023). Catalyzing change for equitable participation. *Journal of Practitioner Research*. 8(2), 1-20. <https://doi.org/10.5038/2379-9951.8.2.1242>
- Bondurant, L., & Reinholz, D.** (2023). "Rahul is a math nerd" and "Mia can be a drama queen": How mixed-reality simulations can perpetuate racist and sexist stereotypes, *Mathematics Teacher Educator*, 11(3), 189-209. <https://doi.org/10.5951/MTE.2021-0041>.
- Brooks, L. A., Dixon, J. K., & **Bondurant, I. b. L.** (2023). "Changing the rules to increase discourse," *Mathematics Teacher: Learning and Teaching PK-12*, 116(6), 470-477. <https://doi.org/10.5951/MTLT.2023.0087>
- Casey, S., **Bondurant, L.**, & Ross, A. (2023). Engaging teachers in the combination of statistical investigation and social justice: Fairness in school funding. *Mathematics Teacher Educator*, 11(2), 139-142. <https://doi.org/10.5951/MTE.2022.0016>.
- Bondurant, L., & Roscioli, K.** (2022). Preservice teachers' perceptions of how virtual manipulatives promote equity. *AMTE Tech Talk*. <https://amte.net/tech-talk>
- Bondurant, L.** (2022). Integrating community connections: The development of a teacher candidate's skills. *Association of Mathematics Teacher Educators Connections*, 32(3), 1-5. <https://amte.net/connections/2022/08/connections-thematic-articles-integration-mathematics-teacher-education>
- Bondurant, L.** (2022). IM curriculum provides everything but the kitchen sink needed for lesson planning. *Illustrative Mathematics*. <https://illustrativemathematics.blog/2022/03/30/im-curriculum-provides-everything-but-the-kitchen-sink-needed-for-lesson-planning/>
- Bondurant, L.** (2020). Reflections on changes in field-related experiences during COVID-19. *Association of Mathematics Teacher Educators Connections*, 30(2), 1-4. <https://amte.net/connections/2020/11/connections-thematic-articles-voices-field>
- Bondurant, L., Poling, L., & Moss, D.** (2020). An analysis of preservice elementary teachers' professional noticing skills in a mathematics education setting. *Journal of Practitioner Research*, 5(2). <https://doi.org/10.5038/2379-9951.5.2.1156>
- Bondurant, L., & Odenwald, S.** (2020). The aurora borealis: Dazzling STEM activity. *Science Teacher*, 88(2). 54-62. <https://www.nsta.org/science-teacher/science-teacher-novemberdecember-2020/aurora-borealis>
- Bondurant, L.** (2020). [Equitable mathematics classroom discourse](#). *Journal of Practitioner Research*, 5(2). <https://doi.org/10.5038/2379-9951.5.2.1146>
- Bondurant, L.** (2020). *Crop circle conundrum*. BreakoutEDU. <https://platform.breakoutedu.com/game/play/crop-circles-mystery-423601>
- Bondurant, S., McKinney, T., **Bondurant, L.**, & Fitzpatrick, L. (2020). [Evaluation of a Benzalkonium Chloride Hand Sanitizer in Reducing Transient Staphylococcus aureus Bacterial Skin Contamination in Health Care Workers](#). *American Journal of Infection Control*. 48(5), 522-526. <https://doi.org/10.1016/j.ajic.2019.08.030>
- Bondurant, L.** (2018). A-Maize-ing mathematics, *The Mathematics Teacher*, 111(7), 540-544. <https://doi.org/10.5951/mathteacher.111.7.0540>

- Cope, L. (2017). A circle in the delta: Extending a math science partnership. *Math Circular*. American Institute of Mathematics, 8-9. <https://drive.google.com/file/d/13D7g6etU-of2kVvCEiup17VxYz-7Xw1U/view>
- Cope, L. (2017). Pizza options. *The Mathematics Teacher*, 110(6), 108-110. <https://doi.org/10.5951/mathteacher.110.6.0408>
- Cope, L., Failing, D., & Long, N. (2015). *Many voices are greater than one*. *Math Ed Matters*. <https://maamathedmatters.blogspot.com/2015/10/many-voices-are-greater-than-one.html>
- Cope, L., & Huber, J. (2015). The impact of a professional development program on middle school math teachers' pedagogical content knowledge. *Delta Journal of Education*. 5(2), 19-32. [https://www.academia.edu/19886680/The\\_Impact\\_of\\_a\\_Professional\\_Development\\_Program\\_on\\_Middle\\_School\\_Math\\_Teachers\\_Pedagogical\\_Content\\_Knowledge?source=swp\\_share](https://www.academia.edu/19886680/The_Impact_of_a_Professional_Development_Program_on_Middle_School_Math_Teachers_Pedagogical_Content_Knowledge?source=swp_share)
- Cope, L. (2015). Math manipulatives: Making the abstract tangible. *Delta Journal of Education*. 5(1), 10-19. [https://www.academia.edu/19886655/Math\\_Manipulatives\\_Making\\_the\\_Abstract\\_Tangible?source=swp\\_share](https://www.academia.edu/19886655/Math_Manipulatives_Making_the_Abstract_Tangible?source=swp_share)
- Cope, L. (2014). Task analysis and implementation activities as vehicles for middle school math teacher growth. *Delta Journal of Education*. 4(2), 11-23. [https://www.academia.edu/19886642/Task\\_Analysis\\_and\\_Implementation\\_Activities\\_as\\_Vehicles\\_for\\_Middle\\_School\\_Math\\_Teacher\\_Growth?source=swp\\_share](https://www.academia.edu/19886642/Task_Analysis_and_Implementation_Activities_as_Vehicles_for_Middle_School_Math_Teacher_Growth?source=swp_share)
- Cope, L., & Bussiere, K. (2014). Teachers' perceptions of the characteristics of highly effective coaches. *Delta Journal of Education*. 4(1), 1-13. [https://www.academia.edu/19886631/Teachers\\_Perceptions\\_of\\_the\\_Characteristics\\_of\\_Highly\\_Effective\\_Coaches?source=swp\\_share](https://www.academia.edu/19886631/Teachers_Perceptions_of_the_Characteristics_of_Highly_Effective_Coaches?source=swp_share)
- Cope, L. (2013). The impact of teachers' characteristics and self-reported emphasis on standards-based mathematics practices on students' algebra achievement. *Delta Journal of Education*. 3(2), 1-15. [https://www.academia.edu/19886619/The\\_Impact\\_of\\_Teachers\\_Characteristics\\_and\\_SelfReported\\_Emphasis\\_on\\_Standards\\_Based\\_Mathematics\\_Practices\\_on\\_Students\\_Algebra\\_Achievement?source=swp\\_share](https://www.academia.edu/19886619/The_Impact_of_Teachers_Characteristics_and_SelfReported_Emphasis_on_Standards_Based_Mathematics_Practices_on_Students_Algebra_Achievement?source=swp_share)
- Cope, L. (2013). *The impact of teachers' characteristics and self-reported practices on students' Algebra achievement* (Doctoral dissertation). <https://www.proquest.com/docview/1353672093>

#### **Book Editor**

- Lee, C.W., **Bondurant, L.**, Sapkota, B., Howell, H. (in press). *Promoting equity in approximations of practice for preservice mathematics teachers*. IGI Global. <https://www.igi-global.com/book/promoting-equity-approximations-practice-preservice/326517>
- Evans, P., Germain-Williams, T., Suominen, A. (2017). **L., Cope,** & E. Serocki, Eds. *College pre-calculus*. CK-12. <https://www.ck12.org/book/CK-12-College-Precalculus/>
- Krams, E. (2017). **L., Cope,** M. Saucedo, & E. Serocki, Eds.. *Elementary and intermediate college algebra*. CK-12. <https://www.ck12.org/book/CK-12-Elementary-and-Intermediate-College-Algebra/r15/>

#### **Book Chapters**

- Bondurant, L.** (2024). Fighting shadows: Shedding light on academic bullying, empowering reflection, and igniting courage. In Nank, S., & Murawska, J. (2024). *Empathetic storytelling: Igniting change in education* (pp. 218–234). Brill. <https://brill.com/display/title/70165>
- Bondurant, L.** (2024). Designing a gingerbread house. In S. Ferguson, S., & D. Polojac-Chenoweth (Eds.), *Implementing problem-based instruction in secondary mathematics classrooms* (pp. 35-42). Teachers College Press. <https://www.tcpres.com/implementing-problem-based-instruction-in-secondary-mathematics-classrooms-9780807769287>
- Bondurant, L.**, Dean, L., & Hudson, R. (2022). Gender gap and pay. In Berry, R. Q., Conway, B. M., Lawler, B., & Staley, J. W., *Middle school mathematics lessons to explore, understand, and respond to social injustice*. Corwin Press. <https://us.corwin.com/books/middle-school-math-lessons-276346#contents>
- Mikeska, J. N., Webb, J., **Bondurant, L.**, Kwon, M., Imasiku, L., Domjan, H. N., & Howell, H. (2022). Using and adapting simulated teaching experiences to support preservice teacher learning. In *Redefining teacher education and teacher preparation programs in the post-COVID-19 era* (pp. 46-78). IGI Global. <https://doi.org/10.4018/978-1-7998-8298-5>
- Bondurant L.**, & Amidon J. (2021) Virtual field experiences as an opportunity to develop preservice teachers' efficacy and equitable teaching practice. In Hollebrands K., Anderson R., Oliver K. (eds) *Online learning in mathematics education*. Research in Mathematics Education. Springer, Cham. [https://doi.org/10.1007/978-3-030-80230-1\\_16](https://doi.org/10.1007/978-3-030-80230-1_16)
- Bondurant, L.** (2019). 6-8 Curriculum. *Illustrative Mathematics*. <https://ilclassroom.com/wikis/283655-contributors>
- Bondurant, L.** (2019). 9-12 Curriculum. *Illustrative Mathematics*. <https://ilclassroom.com/wikis/316504-contributors>

#### **Podcast Episodes**

- Whipple, K., Ortiz, E., Lee-Hassan, A., & **Bondurant, L.** (2024, April 10). Engaging in advocacy, previewing advocacy around disability, and shoulder tapping. Amidon, J., & Wolfe, J. (Hosts). *Teaching Math Teaching*. <https://www.teachingmathteachingpodcast.com/91>



- Bondurant, L., & Reinholz, D.** (2023, September 12). "Rahul is a math nerd" and "Mia can be a drama queen": How mixed-reality simulations can perpetuate racist and sexist stereotypes. Thanheiser, E. (Host). *Mathematics Teacher Educator*. <https://mtepodcast.amte.net/54>
- Bondurant, L., & Reinholz, D.** (2023, August 30). Fixing bias in teacher training simulations. Lesser, M. (Host). *No Such Thing*. <https://shows.acast.com/5985c925950a13467cfb1e04/episodes/bias-in-teacher-training-simulations>
- Casey, S., & **Bondurant, L.** (2023, May 15). Engaging teachers in the combination of statistical investigation and social justice: Fairness in school funding. Thanheiser, E. (Host). *Mathematics Teacher Educator*. <https://mtepodcast.amte.net/50>

### Videos

- Wiley. (2024, April 1). *Unlocking the mathematical mindset: Why we are all math people* [Video]. [https://youtu.be/dJY7m3FOEww?si=1ojXDs\\_j4g5EkotQ](https://youtu.be/dJY7m3FOEww?si=1ojXDs_j4g5EkotQ)
- Wiley. (2024, February 1). *A teacher's inspiring journey - Meet Dr. Liza Bondurant of Mississippi State University* [Video]. <https://youtu.be/yOaW3nFb1tM?si=wyoq1rB9PH2WJcbq>
- Bay Williams, J., **Bondurant, L.**, Lai, Y., Thanheiser, E., & Velasco, R. (2024, February). [Invited Opening Session Panelist]. *The AMTE standards for preparing teachers of mathematics: Revisiting the standards in 2024*. Association of Mathematics Teacher Educators Annual Meeting. Orlando, FL. <https://vimeo.com/913883594>
- Bondurant, L., & Roscioli, K.** (2023, December). *Promoting equitable practices with brainingcamp*. <https://www.brainingcamp.com/webinar/753823334>
- Bondurant, L.** (2022, November 7). *Becoming a more equitable math educator*. STEM Teacher Leadership Network. <https://stemtlnet.org/video-showcase/becoming-more-equitable-math-educator.html>
- Wiley. (2022, October 5). *World teacher's day*. <https://www.linkedin.com/feed/update/urn:li:activity:6983423843633668096/>  
[https://twitter.com/WileyGlobal/status/1577658013846052866?s=20&t=Dr7hNOGK50h8ZsYRr\\_EDA](https://twitter.com/WileyGlobal/status/1577658013846052866?s=20&t=Dr7hNOGK50h8ZsYRr_EDA)  
<https://www.facebook.com/watch/?v=682506436803795&ref=sharing>  
[https://www.instagram.com/reel/CjVYD59DiV4/?utm\\_source=ig\\_web\\_copy\\_link](https://www.instagram.com/reel/CjVYD59DiV4/?utm_source=ig_web_copy_link)
- Association of Colleges and University Educators (ACUE). (2021). *Assign activities and assignments that address growth mindset*. <https://vimeo.com/463085227/3a11316bb1>

### Conference Proceedings

- Bondurant, L., & McConchie, L.**, (2024). Drawing a positive mathematics identity: Portrait of a maths person. *Proceedings of the 15th International Congress on Mathematical Education*. Sydney, Australia. <https://icme15.org/>
- Bondurant, L., Fernandez, A., Simić-Muller, K., & Weiland, T.** (2024). Engaging preservice elementary teachers in statistical investigations of systemic racism in school discipline data. *Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education*. Omaha, NE. <http://sigmaa.maa.org/rume/Site/Proceedings.html>
- Troup, J., **Bondurant, L.**, Bertolone-Smith, C., Moss, D., Soto, H. (2024). Embodied noticing in mathematics: Pre-service teachers' observations and noticings. *Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education*. Omaha, NE. <http://sigmaa.maa.org/rume/Site/Proceedings.html>
- Lee, C., **Bondurant, L.**, Sapkota, B., Howell, H., & Lai, Y. (2023). Final report: Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education. In T. Lamberg, & D. Moss (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 2, 978-983. University of Nevada, Reno. <https://doi.org/10.51272/pmena.45.2023>
- Sapkota, B., Lee, C., **Bondurant, L.**, & Howell, H. (2023). Approximations of practice and equity: Surveying the spaces. In T. Lamberg, & D. Moss (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 2, 984-986 University of Nevada, Reno. <https://doi.org/10.51272/pmena.45.2023>
- Bondurant, L.**, Moss, D., Bertolini-Smith, C., Poling, L., Soto, H., & Troup, J. (2023). Promoting rehumanizing mathematics through embodied-focused noticing. In T. Lamberg, & D. Moss (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. University of Nevada, Reno, 514-519. <https://doi.org/10.51272/pmena.45.2023>
- Bondurant, L.**, Howell, H., Kwon, M., Wilkerson, C.L., Lai, Y., & Sapkota, B. (2022). Final report: Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S. (2022). *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Middle Tennessee State University, 2119-2125. <https://doi.org/10.51272/pmena.44.2022>
- Wilkerson, C. L., **Bondurant, L.**, Lai, Y., Howell, H., Sapkota, B., & Kwon, M. (2022). Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S. (2022). *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Middle Tennessee State University, 2126-2128. <https://doi.org/10.51272/pmena.44.2022>

- Bondurant, L.,** Weber, M., Kane, G., & Groh, S. (2022). Undergraduate students' perceptions of interactive instructional videos. In E. Langran (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 702-706). San Diego, CA, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/noaccess/220816/>
- Bondurant, L.,** Howell, H., Kwon, M., Wilkerson, C.L., & Lai, Y. (2021). Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID. In Olanoff, D., Johnson, K., & Spitzer, S. M. (2021). *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Philadelphia, PA., 1938-1940. <https://www.pmena.org/proceedings/>
- Kwon, M., Webb, J., Howell, H., Mikeska, J., **Bondurant, L.,** Imasiku, L., & Domjan, H. (2021). Designing and adapting simulated teaching experiences for preservice teacher learning of practice. In E. Langran & L. Archambault (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1264-1268). Online, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/219282/>
- Bondurant, L.,** Poling, L., & Moss, D. (2020). Using video analysis to improve preservice elementary teachers' noticing skills. In Sacristán, A.I., Cortés-Zavala, J.C. & Ruiz-Arias, P.M. (Eds.). (2020). *Mathematics education across cultures: Proceedings of the 42nd Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Mexico. Cinvestav / AMIUTEM / PME-NA, 1461-1468. <https://www.pmena.org/proceedings/>
- Bondurant, L.,** Putnam, C., & Townsend, C. (2019). The impact of inquiry-based learning techniques in college algebra. *Proceedings of the Louisiana-Mississippi Section of the Mathematical Association of America*. <https://www.lams.maa.org/meeting>

### Peer-Reviewed Presentations

- Colonnese, M., Pai, G., **Bondurant, L.,** Lee, C., Howell, H., Sapkota, B., & Young, J. (2025). *Rehearsals, simulations, and scenarios: Exploring practice-based experiences in mathematics teacher education*. Association of Mathematics Teacher Educators Annual Conference. Reno, NV. <https://amte.net/content/2025-annual-amte-conference>
- Bondurant, L.,** & Colonnese, M. (2025). [Invited Panelist]. *Practice-based Mathematics Teacher Education*. Mathematics and Statistics Education Group (MSEG). Utah State University.
- Bondurant, L.,** Troup, J., Bertolone-Smith, C., Moss, D., & Soto, H. (2024). *Rehumanizing mathematics through multimodal microanalysis*. Annual Conference of the North American Chapter of the International Group of Psychology of Mathematics Education. Cleveland, OH. <https://www.pmena.org/>
- Murawska, J., Nank, S., **Bondurant, L.,** Nank, K., Palmquist, J., Palmquist, M.J., & Steele, M. (2024). *Nurturing mathematical identities through shared journeys and empathetic storytelling*. National Council of Teachers of Mathematics (NCTM) Annual Conference. <https://www.nctm.org/annual/>
- Amick, L., Apraiz, K., **Bondurant, L.,** & Davies, K. (2024). *Cross institutional efforts to recruit and retain students in secondary mathematics teacher preparation programs*. National Council of Supervisors of Mathematics (NCSM) Annual Conference. [https://www.mathedleadership.org/56th\\_annual\\_conference/](https://www.mathedleadership.org/56th_annual_conference/)
- Nank, S., **Bondurant, L.,** Palmquist, J., Murawska, J., & Steele, M. (2024). *Igniting change in education through empathetic storytelling: Eliminating barriers caused by beliefs, norms, policies, and practices that perpetuate inequities*. National Council of Supervisors of Mathematics (NCSM) Annual Conference. [https://www.mathedleadership.org/56th\\_annual\\_conference/](https://www.mathedleadership.org/56th_annual_conference/)
- deAraujo, Z., Clark, T., **Bondurant, L.,** & Steele, M. (2024). [Invited Panelist]. *Instructional practices to increase student opportunities*. Mathematics Association of America (MAA) MathFest. Indianapolis, Indiana. <https://maa.org/meetings/maa-mathfest>
- York, C., Hodge-Zickerman, A., **Bondurant, L.,** & Stade, E. (2024). *TACTivities explored: Understanding instructor and student perspectives in math education*. Mathematics Association of America (MAA) MathFest. Indianapolis, Indiana. <https://maa.org/meetings/maa-mathfest>
- Bondurant, L.,** Hodge-Zickerman, A., & York, C. (2024). *Secondary mathematics teacher candidates' perceptions of a statistics TACTivity designed to support equitable teaching practices*. Mathematics Association of America (MAA) MathFest. Indianapolis, Indiana. <https://maa.org/meetings/maa-mathfest>
- Bondurant, L.,** York, C., Hodge-Zickerman, A., & Stade, E. (2024). *Promoting equitable teaching practices through TACTivities: A case in teaching statistics*. Civics of Technology Annual Conference. <https://www.civicsoftechnology.org/2024conference>
- Bondurant, L.,** & McConchie, L., (2024). *Drawing a positive math identity: Portrait of a math person*. The 15th International Congress on Mathematical Education. Sydney, Australia. <https://icme15.org/>
- Bondurant, L.,** Fernandez, A., Simić-Muller, K., & Weiland, T. (2024). *Engaging preservice elementary teachers in statistical investigations of systemic racism in school discipline data*. Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education (SIGMAA on RUME) Annual Conference. Omaha, NE. <https://www.unomaha.edu/college-of-arts-and-sciences/mathematics/conferences/sigmaa-on-rume.php>

- Troup, J., **Bondurant, L.**, Moss, D., Bertolone-Smith, C., & Soto, H. (2024). *Embodied noticings in mathematics: Pre-service teachers' observations and noticings*. Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education (SIGMAA on RUME) Annual Conference. Lincoln, NE. <https://www.unomaha.edu/college-of-arts-and-sciences/mathematics/conferences/sigmaa-on-rume.php>
- Bondurant, L.**, Benoit, G., Young, J., Howell, H., Wilburne, J., Franz, D., & Jakobson, E. (2024). *Promoting growth through critical transformative pedagogies of practice*. Association of Mathematics Teacher Educators Annual Meeting. Orlando, FL. <https://amte.net/content/2024-annual-amte-conference>
- Bay-Williams, J., **Bondurant, L.**, Lai, Y., Thanheiser, E. & Velasco, R. (2024). [Invited Opening Session Panelist]. *The AMTE standards for preparing teachers of mathematics: Revisiting the standards in 2024*. Association of Mathematics Teacher Educators Annual Meeting. Orlando, FL. <https://vimeo.com/913883594>
- Fernandez, A., Simic-Muller, K., **Bondurant, L.**, & Weiland, T. (2024). Making moves with real data in CODAP. *Mathematics Educator Appreciation Day Conference (MEAD)*. University of Arizona. <https://crr.math.arizona.edu/mead-conference>
- Bondurant, L.**, Roscioli, K. (2023). [Invited Webinar]. *Promoting equitable practices with brainingcamp*. Brainingcamp Webinar. <https://www.brainingcamp.com/webinars>
- Bondurant, L.** (2023). *MCTM awards, scholarships, and grants*. Mississippi Council of Teachers of Mathematics Annual Conference. Oxford, MS.
- Cook, C., & **Bondurant, L.** (2023). *Population education*. Mississippi Council of Teachers of Mathematics Annual Conference. Oxford, MS.
- Bondurant, L.**, Kulow, T., Cannon, S., Gallagher, M., Byun, S. (2023). [Invited Workshop Session]. *Empowering prospective teachers to address inequity with EQUIP*. Association of Mathematics Teacher Educators Virtual Institute. <https://amte.net/content/amte-virtual-institute-0>
- Bondurant, L.**, Moss, D., Bertolone-Smith, C., Poling, L., Soto, H., & Troup, J. (2023). *Rehumanizing mathematics through embodiment-focused noticing*. Annual Conference of the North American Chapter of the International Group of Psychology of Mathematics Education. Reno, NV.
- Sapkota, B., Lee, C., **Bondurant, L.**, & Howell, H. (2023). *Approximations of practice and equity: Surveying the spaces*. Annual Conference of the North American Chapter of the International Group of Psychology of Mathematics Education. Reno, NV.
- Bondurant, L.** (2023). [Invited Lightning Talk & Poster]. *Algorithms, fairness, equity*. UC Berkeley SLMath Workshops [1050](#) & [1051](#).
- Bondurant, L.**, Troup, J., & Soto, H. (2023). *Rehumanizing mathematics through embodied-focused noticing*. MAA MathFest. Tampa, FL.
- Bailey, A., & **Bondurant, L.** (2023). *Building thinking classrooms: A collaborative self-study*. Louisiana/Mississippi Section of the MAA. Oxford, MS.
- Bondurant, L.**, Wilburne, J., & Franz, D. (2023). *Using the FAIR framework to engage in critical conversations and foster the development of educator mindsets for equity*. Association of Mathematics Teacher Educators Annual Meeting. New Orleans, LA.
- Anhalt, C., **Bondurant, L.**, Casey, S., Cortez, R., Kohler, B., & Tidwell, W. (2023). *Advancing content knowledge together with critical consciousness in teacher preparation*. Association of Mathematics Teacher Educators Annual Meeting. New Orleans, LA.
- Wilkerson, C.L., **Bondurant, L.**, Lai, Y., Howell, H., Sapkota, B., & Kwon, M. (2022). *Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education*. 44<sup>th</sup> Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education. Nashville, TN.
- Bondurant, L.**, Dean, L., & Putnam, C. (2022). *A more positive approach to slope*. Mississippi Council of Teachers of Mathematics Conference. Pearl, MS.
- Bondurant, L.** (2022). [Invited presentation]. *Persistence through leadership and solutions*. Sponsored by Wiley Publishing at [Reunite, Reconnect, Re-ignite North American Sales Meeting](#) in Key Biscayne, FL.
- Bondurant, L.** (2022). [Invited presentation]. *Mathematical mindsets to promote equity*. Sponsored by The North Mississippi Education Consortium at [For the Love of Math](#) conference in Oxford, MS.
- Bondurant, L.**, Weber, M., Kane, G., & Groh, S. (2022). *Undergraduate students' perceptions of interactive instructional videos*. Society for Information Technology & Teacher Education Conference. San Diego, CA.
- Amidon, J., **Bondurant, L.**, & Franz, D. (2022). *Get the facts out on math teacher recruitment & retention*. Mississippi Council of Teachers of Mathematics Conference. Perkinson, MS.
- Bondurant, L.**, & Rivera, S. (2022). *Reflecting on implicit biases & participation patterns*. Association of Mathematics Teacher Educators Conference. Henderson, NV.
- Franz, D., & **Bondurant, L.** (2022). *Mathematics teacher education partnership: Collaborating to address common challenges*. Association of Mathematics Teacher Educators Conference. Henderson, NV.
- Bondurant, L.**, & Amidon, J. (2022). *Uncovering implicit biases to use more equitable teaching practices*. National Council of Teachers of Mathematics (NCTM) Regional Conference. New Orleans, LA.
- Bondurant, L.**, Howell, H., Kwon, M., Wilkerson, C.L., & Lai, Y. (2021). *Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID*. 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.



- Bondurant, L., Poling, L., & Moss, D. (2021).** *Using video analysis to improve preservice elementary teachers' noticing skills.* 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.
- Truitt, T., & **Bondurant, L. (2021).** *Selecting quality materials to increase equity and access for students.* NCTM Annual Conference. Atlanta, GA.
- Bondurant, L. (2021).** *Gaining confidence, knowledge, and skills through virtual rehearsals* in Symposium "Opportunities and Challenges Associated with Approximations of Practice in Teacher Education Programs." American Educational Research Association Virtual Conference.
- Kwon, M., Howell, H., Mikeska, J., Webb, J., **Bondurant, L.,** Imasiku, L., & Domjan, H. (2021). *Designing and adapting simulated teaching experiences for preservice teacher learning of practice.* Society for Information Technology & Teacher Education International Virtual Conference.
- Bondurant, L. (2021).** *Virtual rehearsals: Using a virtual classroom to improve mathematics teaching efficacy and practice.* Association of Mathematics Teacher Educators Virtual Conference.
- Poling, L., **Bondurant, L.,** & Moss, D. (2021). *Video analysis: Developing prospective elementary teachers' noticing.* Association of Mathematics Teacher Educators Virtual Conference.
- Bondurant, L. (2020).** Invited talk. *Effective group learning in the STEM classroom.* Wiley Publishing Higher Education STEM Teaching Conference. San Antonio, TX.
- Bondurant, L. (2020).** *Quantifying participation patterns in mathematics classroom discourse: A self-study.* Association of Mathematics Teacher Educators Conference. Phoenix, AZ.
- Virden, L., & **Bondurant, L. (2019).** *Crazy 8's: Season 2.* Mississippi Council of Teachers of Mathematics. Hattiesburg, MS.
- Bondurant, L., Putnam, C., & Townsend, C. (2019).** *The impact of IBL on student success.* Louisiana/Mississippi (LA/MS) Section of the MAA. Clinton, MS.
- Bondurant, L. (2019).** *How do AMTE affiliates apply problem solving processes to current issues in mathematics education?* Association of Mathematics Teacher Educators Conference. Orlando, FL.
- Bondurant, L. (2018).** *Panther hunt.* NCTM Regional Conference. Kansas City, MO.
- Virden, L., & **Bondurant, L. (2018).** *Crazy 8's: Making math as great as dessert!* Mississippi Council of Teachers of Mathematics, Columbus, MS.
- Bondurant, L. (2018).** *Building rural K-8 math teachers' confidence, knowledge, and skills.* Association of Mathematics Teacher Educators Conference. Houston, TX.
- Bondurant, L. (2018).** *Lessons from Japanese Math Education.* Japan Studies Institute. San Diego, CA.  
<https://aascu.sdsu.edu/2018JSI/Fellows&Projects.html>
- Cope, L., & Virden, L. (2017).** *Monogramming math.* Mississippi Council of Teachers of Mathematics Conference. Madison, MS.
- Cope, L., & Griffin, L. (2017).** *Do you "read" math? YES! ...through literature.* NCTM Annual Conference. San Antonio, TX.
- Cope, L. (2016).** *How integrating IBL & TBL has transformed my classes.* NCTM Regional Conference. Phoenix, Arizona.
- Cope, L. (2016).** *Response tools, learning games, and apps... oh my!* Mississippi Council of Teachers of Mathematics Conference. Ellisville, MS.
- Cope, L., Hebert, D., Lott, K., Belenchia, E. (2016).** *Impact of MSP on middle school math teachers' pedagogical content knowledge (PCK).* U.S. Department of Education's Mathematics and Science Partnerships (MSP) Conference. Baltimore, MD.
- Cope, L. (2016).** *Readiness assurance process (RAP).* LA/MS Annual Section MAA Meeting. Shreveport, LA.
- Cope, L. (2015).** *Teachers' perceptions of the characteristics of highly effective coaches.* NCTM Regional Conference. Nashville, TN.
- Cope, L. (2015).** *Engaging middle school probability and statistics tasks.* Mississippi Council of Teachers of Mathematics. Oxford, MS.
- Cope, L., Rivera, S. (2015).** *Virtual and concrete educational games for science and mathematics.* New York State Master Teacher Program Saturday Workshops. University at Albany. Albany, NY.
- Cope, L. (2015).** *Technology tools for engaged learning.* Technology in Teaching Symposium. Cleveland, MS.
- Cope, L., Veiga, D. (2015).** *Introduction to GeoGebra.* LA/MS Section of the MAA Conference. Gulfport, MS.
- Cope, L. (2014).** *The use of task analysis and implementation model.* U.S. Department of Education's Math Science Partnership Conference. Washington, DC.
- Cope, L., Virden, L. (2014).** *Nailing math.* Mississippi Council of Teachers of Mathematics Conference. Clinton, MS.
- Cope, L. (2014).** *Inquiry into teaching and learning: Analysis of instruction and student work.* Mississippi Association of Mathematics Teacher Educators Conference. Oxford, MS.
- Cope, L. (2014).** *The impact of teachers' characteristics and self-reported standards-based practices on students' algebra achievement.* American Education Research Association Annual Meeting. Philadelphia, PA.
- Cope, L. (2014).** *Tessellations.* MAA Student Chapter Meeting. Cleveland, MS.
- Cope, L. (2013).** *Unpacking the common core state standards.* Mississippi Council of Teachers of Mathematics. Biloxi, MS.

- Cope, L.** (2013). *The impact of technological resources on student's mathematics achievement*. National Assessment of Educational Progress (NAEP) High School Transcript Study (HSTS) 2009 Database Training Seminar, Washington, DC.
- Cope, L.** (2013). *Teaching for mathematical proficiency*. Hudson Valley Association of Mathematics Teachers of New York State Conference. Albany, NY.
- Cope, L.** (2013). *Teaching for mathematical proficiency*. Institutions and Societies Graduate Student Conference. Albany, NY.
- Cope, L.** (2011). *Mathematical identity*. Hudson Valley Association of Mathematics Teachers of New York State Conference. Schenectady, NY.
- Cope, L.** (2010). *A graduate student with pedagogical expertise's perceptions of the roles of the students and teacher in an ideal secondary mathematics classroom*. Albany Consortium for Research in Instructional Design and Technology. Albany, NY.
- Cope, L.** (2010). *Self-regulated learning, reflective learning journals and teaching mathematics for understanding Online*. Teachers College at Columbia University Educational Technology Conference. Columbia University, NYC.
- Cope, L.** (2005). *Knot theory*. Hudson River Undergraduate Mathematics Conference. Williamstown, MA.

### Awards and Certificates

College Teacher of the Year, Mississippi Council of Teachers of Mathematics (MCTM), 2020.  
 Featured in Wiley teaching multimedia series, 2023-2024.  
 Population Education Leader's Circle, 2023.  
 STEM Hall of Femme, Wiley Publishing, 2021.  
 Association of Colleges and University Educators (ACUE), Faculty Expert on Best Practices in Teaching, 2020.  
 Best Overall Higher Education Course, Mathematics Through Problem Solving, Wiley Publishing Company, 2018.  
 Connected Educator Certificates of Recognition, Delta State University and Ellucian, 2015 – 2023.  
 Inducted into the *Kappa Mu Epsilon* National Mathematics Honor Society, 2014.  
 MAA LA/MS Section NExT Fellow, 2014 – 2015.  
 University at Albany, SUNY, Graduate Scholarships, 2009 – 2013.  
*Odyssey of the Mind*, Coach of Regional Champions, New York State, 2008 – 2009.  
 University at Albany, SUNY, Mary M. Briggs Scholarship, 2005 – 2006.  
 Mathematics 7-12, Professional Certificate # 545555111, 2011.

### Grants

#### Funded

Participant and Co-investigator on the following NSF-funded projects (#1625784, #1726252, #1835409, #2032179, #2050099, #2054931, #2121364, #2141737, #2141730, #625713):

1. NSF DUE [Grant](#) "Supporting the Development of Mathematics Preservice Teachers' Critical Consciousness through Statistical Investigations of Systemic Racism," 2023-Present.
2. NSF DUE [Grant](#) "Embodied Mathematical Imagination and Cognition: Professional Development for Undergraduate Mathematics Instructors," 2022-Present.
3. NSF IUSE [Grant](#) "Mathematics of Doing, Understanding, Learning and Educating for Secondary Schools," 2021-2022.
4. NSF DUE [Grant](#) "Collaborative Research: Using Networked Improvement Communities to Scale Up Program Transformation for Secondary Mathematics Teacher Preparation," 2020-Present.
5. NSF RAPID [Grant](#) "Leveraging Simulated Classrooms as Practice-Based Spaces for Preservice Elementary Teachers within Online Teacher Education Courses," 2020-2021.
6. NSF DUE Grant "[The Elementary Mathematics Project](#)," 2018-2019.
7. NSF IUSE [Grant](#) "Enhancing Statistics Teacher Education with E-Modules," 2016.

Mississippi State University (MSU) Bulldog Experience grant. Awarded \$3,847 to bring secondary mathematics methods teacher candidates to the 2024 Mississippi Council of Teachers of Mathematics (MCTM) conference.

American Institute of Mathematics (AIM). Awarded \$1,000 for Mississippi State Mathematics Circle, 2024-2025.

Gates Foundation TODOS' Math Mindset Resources for Educators grant, \$7,000, 2024-2026.

Mathematics Teacher Educator Partnership (MTEP) grant for \$400 to purchase ten books for a book club, 2024- 2025.

[NCTM. Mathematics Education Trust \(MET\). Opening Gates for Prospective Teachers](#), \$500 for ten NCTM student memberships, 2022-2023.

Awarded [\\$3,500 travel grant](#) from the American Mathematical Society (AMS) and National Science Foundation (NSF) to attend the [International Congress of Mathematics](#) (NSF) in St. Petersburg, Russia in July 6-14, 2022. Did not attend due to a [Russia Travel advisory](#).

Mississippi Council of Teachers of Mathematics Classroom Grant, \$500 to fund my projects "Survival Kits and Support Network for First Year Teachers," October 2020.

Wiley Stay the Course grants to support student persistence: \$200 in 2020 (Brittney Gill Johns); \$500 in 2021 (Miltesha Nelson); \$500 in 2022 (Ashley Bailey).



Wiley Stay the Course travel grant for student (Miltesha Nelson) and I to present at a conference at the Ritz-Carlton, Key Biscayne, FL in June 2022.

U.S. Department of Education, Math Science Partnership (MSP) Grant (CFDA:84.366B). MSP team was awarded two consecutive grants (2012-2015 and 2015-2018) to fund a professional development program for mathematics teachers in the Mississippi Delta. The amount of the grants was \$924,096 and \$1,118,351.80, respectively. I contributed to the writing of the grant and curriculum, delivery of the curriculum, and analysis of the outcome measures.

American Association of State Colleges and Universities (AASCU) scholarship & grant to attend the [2018 Japan Studies Institute](#), San Diego State University.

Phil Hardin Foundation grant for \$4,000 to fund hosting the annual symposium for the Mississippi Association of Mathematics Teacher Educators (MAMTE) at Delta State University, January 2016.

NSF early career travel scholarship for \$500 to attend a four-day summer [Inquiry-Based](#) workshop at California Polytechnical Institute, July 2015.

American Institute of Mathematics (AIM) [Math Teachers' Circle](#) Seed Grant for \$2,000 to support Mississippi Delta Math Teachers' Circle Summer 2015 Immersion Program and meetings during the 2015-2016 school year.

U.S. Department of Education technology grant for a "Smart Board" and "Senteo Interactive Devices" for action research in my classroom, 2008-2009.

U.S. Department of Education funded a summer assessment project to create formative assessments based on New York State 3-8 Assessments, 2008-2009.

U.S. Department of Education funded summer curriculum project to create a curriculum for the Mathematics Department, 2007, 2008.

Donor's Choose funded Hook Students to Algebra with Technology project, 2007-2009. The grant was used to purchase a Discovery Learning Series of videos that connected math to real-world applications.

### **Pending**

Title: "Policy Impact on Effectiveness and Retention of Secondary Mathematics Teachers (PIER)"

Source: NSF Noyce Track 4

Role: Co-PI

Submitted: August 2024

Amount: \$430,052

Title: "MS STEM Endorsement Alliance"

Source: NSF STEM Teacher Corps

Role: Co-PI

Submitted: October 2024

Amount: TBD

Title: "YOUTH RISE: Rehumanizing Secondary Mathematics Through Youth Co-Designed Simulations"

Source: NSF DRK-12

Role: PI

Submitted: November 2024

Amount: TBD

Title: "Collaborative Research: Spatial Mathematics Resources for Teaching STEM"

Source: NSF DRK-12

Role: Co-PI

Submitted: November 2024

Amount: TBD

Title: "Future shipbuilder STEM grant"

Source: HII Ingalls Shipbuilding

Role: PI

Submitted: June 2024

Amount: \$4,720

Title: "Assessing and Addressing Teachers' Needs with CPM High-Quality Instructional Materials"

Source: CPM

Role: PI

Submitted: May 2024

Amount: \$50,000

**Not Funded**

Title: "Policy Impact on Effectiveness and Retention of Secondary Mathematics Teachers (PIER)"

Source: NSF Noyce Track 4

Role: Co-PI

Submitted: August 2023

Amount: \$378,607

Title: "YOUTH RISE: Rehumanizing Secondary Mathematics Through Youth Co-Designed Simulations"

Source: NSF DRK-12

Role: PI

Submitted: November 2023

Amount: \$2,663,076

Title: "Windows & Mirrors: Preparing Seniors for College Gateway Mathematics Courses with Identity Affirming Supplemental Materials"

Role: PI

Source: NCTM MET Grant

Submitted: November 2023

Amount: \$8,000

Title: "EQUIP (Equity QUantified In Participation): Empowering Math Teachers to Build More Equitable Classrooms for More Learners"

Source: MAA Open

Role: PI

Submitted: January 2024

Amount: \$12,000

Title: Cultivating Rehumanized Embodied Approaches To Education (CREATE Math)"

Source: MAA Tensor

Role: PI

Submitted: February 2024

Amount: \$6,000

Title: "Rough Draft Math Teaching and Learning"

Source: MSU ORED

Role: PI

Submitted: March 2024

Amount: \$2,000

Title: "Mississippi Council of Teachers of Mathematics (MCTM) Conference"

Source: NCTM MET Grant

Role: PI

Submitted: April 2024

Amount: \$2,500

Title: "Building Relationships Intentionally focused on Designing equity Grounded Elementary and Secondary Mathematics Approximations That are reHumanizing (BRIDGES MATH)"

Source: NSF DRK-12 Conference Grant

Role: Co-PI

Submitted: April 2024

Amount: \$20,000

Title: "Student Mathematical Dispositions and Achievement: Meta-Analysis of the Trends in International Mathematics and Science Study Data"

Source: AERA

Role: PI

Submitted: May 2024

Amount: \$35,000

Title: "Writing-centric programming: Rethinking the nature of computational thinking for middle school students"

Source: NSF CS4All

Role: Co-PI

Submitted: June 2024  
Amount: \$300,000

### **Professional Organizations**

Association of Mathematics Teacher Educators, 2015 – present.  
Mississippi Association of Mathematics Teacher Educators, 2013 – present.  
National Council of Teachers of Mathematics, 2009 – present.  
Mississippi Council of Teachers of Mathematics, 2013 – present.  
Mathematics Association of America, 2023 – present.  
Louisiana Mississippi Section of Mathematics Association of America, 2013 – present.  
American Educational Research Association, 2009 – 2014.  
Association of Mathematics Teachers of New York, 2011 – 2013.

### **Service to the Discipline**

Association of Mathematics Teacher Educators (AMTE)

- Advocacy Committee, 2024 – 2026.
- Associate Vice-President for Local Arrangements, 2022 – 2023.
- Service, Teaching, and Research (STaR) Fundraising Committee, 2020 – 2023.
- Volunteer reviewer for annual conference proposals, 2013 – present.

Mississippi Association of Mathematics Teacher Educators (MAMTE)

- President, 2017 – 2021.
- President Elect, 2016 – 2017.
- Past President, 2021 – 2022.
- Member at Large, 2015 – 2017, 2021 – present.

National Council of Teachers of Mathematics

- *Mathematics Teacher: Learning and Teaching PK-12* (MTLT) Journal Department Editor, 2024 – 2027.
- Council for the Accreditation of Educator Preparation (CAEP) NCTM SPA Accreditation Program Reviewer, 2019 - present.
- Volunteer reviewer for MTLT, 2009 – present.

Mississippi Council of Teachers of Mathematics

- Board of Directors, Awards Chair, 2022 – present.

Mathematics Association of America

- Committee on Student Concerns, 2024 – 2027.
- Volunteer reviewer for annual conference proposals, 2023 - present.

Louisiana-Mississippi Section of the Mathematics Association of America (LA/MS Section MAA)

- Social Media Administrator, 2013 - 2017.

Mississippi Department of Education (MDE)

- Presidential Award for Excellence in Math and Science Teaching (PAEMST) State Selection Committee, 2022 – present.
- Education Preparation Program (EPP) High-Quality Instructional Materials (HQIM) Committee
  - Chair of Committee, 2024 – present.
  - EPP Representative, 2021 – present.
- Data Science Course Development Committee, 2024 – present.

American Institute of Mathematics (AIM)

- Math Circle Network Facilitator Training Team, 2024.
- National Math Festival Facilitator, 2021.
- Julia Robinson Mathematics Festival Facilitator, 2017.

TODOS: Mathematics for ALL

- Math Mindset Resources for Educators Digital Team, 2024-2026.

Psychology of Mathematics Education - North America (PME-NA)

- Volunteer reviewer for annual conference proposals, 2019 - present.



Journal of Urban Mathematics Education (JUME)

- Editorial Board Member, 2022 – 2025.

New York Times – [What is Going on With This Graph?](#)

- Co-author and co-moderator of articles and discussions, 2022 – present.

Educational Testing Services (ETS)

- Online Practice Suites Convening, 2024.
- National Advisory Committee, Mathematics Praxis Exams, 2020 - 2023.

Education First

- Curriculum Literacy Community of Practice (CL CoP), Design Track, 2023 – present.

Research Council on Mathematics Learning (RCML)

- Volunteer reviewer for Investigations in Mathematics Learning (IML) journal, 2024 – present.

Mathematical Thinking and Learning

- Volunteer reviewer for journal articles for this international journal published by Taylor & Francis, 2024 – present.

Crazy 8's Math Club

- Founder and coach, Grade 3 – 5 students at Presbyterian Day School, 2018 – 2020.

Contemporary Issues in Technology and Teacher Education - Math (CITE)

- Volunteer reviewer for annual conference proposals, 2020 - 2022.

AmeriCorps Math Tutoring Program

- Wrote manual and delivered training, 2017 – 2018.

Presbyterian Day School (PDS)

- Prepared and delivered math staff developments, 2014 - 2020.

American Association of University Women (AAUW)

- Prepared and delivered workshops at Tech Savvy Conferences, 2014 – 2023

Clarksdale Elementary School

- Wrote math curriculum focused on healthy choices and movement, 2015.

[Novice Inquiry Based Learning \(IBL\) Blog](#)

- Co-Creator and author of blog, 2015 – 2016.

#### **Service at Mississippi State University**

Undergraduate Coordinator, 2024 – present.

Program Coordinator, 2023 – present.

Assessment Committee Member, 2023 - present.

Search Committee Member,

Secondary Science, 2023 - 2024.

Elementary, 2024-2025.

Doctoral Committee Member, 2023 - 2024.

Recruitment at Conferences, 2023 - present.

Mentor Graduate Assistants, 2023 - 2024.

Partner with Secondary Math Teachers in Starkville CSD, 2023 - present.

TEAL Lecture Series, presented Get the Facts Out, 2024.

MSU Committee for Advancing Starkville Oktibbeha School District Experiential Learning & the Career Academy Models, 2024 – present.

CEEDAR Planning Committee, 2024.

#### **Service at Delta State University**

Program Coordinator for Secondary Mathematics, 2014 – 2023.

Supervisor of Secondary Mathematics Internships, 2014 – 2023.

Advisor for Secondary Mathematics Education majors, 2014 - 2023.

Serve on the University's Research Committee, 2018 – 2023.

Serve on the Assessment Committee, Chair of Standard 3 Committee, Responsible for writing NCTM CAEP report for Secondary Mathematics Education program, 2013 – 2023.  
Serve on the Teacher Education Council, 2013 – 2021.  
Mentor for New Science Education Faculty Member, 2021 - 2022.  
Serve on the Division's Search Committee, 2014 – 2023, Chair in 2017.  
Serve on the Division's Tenure & Promotion Committee, 2020 - 2023.  
Kossmann Award Committee, 2021.  
Division of Mathematics & Sciences Scholarship Committee, 2021.  
Represent the Math Department at recruitment events, 2013 – 2020.  
Served on the University's Courtesy Committee, 2013 –2018.  
Served on the University's Attendance Grievance Committee, 2014 – 2016.  
Serve as the Strategic Planning Liaison on OIT's Technology Teaching Symposium Committee 2013 – 2016.  
Reading Fair judge.  
Science Fair judge.  
Educator Rising Fair judge.  
Hold Praxis review sessions, 2013 – 2023.  
Held Math Study Skills workshops for the Office of Academic Support Services, 2013 - 2015.  
Supervised Math Tutoring Lab, 2013 – 2016.