

## Education

| Degree | Date Conferred | Institution               | Major  | Dates       |
|--------|----------------|---------------------------|--|-------------|
| Ed.D.  | July 2012      | Kennesaw State University | Teacher Leadership for Learning, Concentration: Adolescent Mathematics | 2009 – 2012 |
| Ed.S.  | July 2010      | Kennesaw State University | Teacher Leadership for Learning, Concentration: Adolescent Mathematics | 2009 – 2010 |
| M.Ed.  | December 1999  | Georgia State University  | Secondary Mathematics Education  | 1996 – 1999 |
| B.S.   | May 1994       | Michigan State University | Mathematics  | 1990 – 1994 |

## Academic and Professional Experience

| Position   | Employer   | Dates                  |
|--|--|------------------------|
| Associate Professor                                  | Middle Tennessee State University<br>Department of Mathematical Sciences | 2019 - present         |
| Assistant Professor                                  | Middle Tennessee State University<br>Department of Mathematical Sciences | 2013 – 2019            |
| Lecturer of Mathematics and Mathematics Education    | Kennesaw State University  | 2010 – 2013            |
| Mathematics Instructor                               | Georgia Perimeter College  | August – December 2009 |
| Mathematics Teacher                                  | Fulton County Schools (GA):<br>Roswell High School                       | 2008 – 2009            |
| Mathematics Teacher;<br>Department Chair (2005-2008) | Fulton County Schools (GA):<br>Tri-Cities High School                    | 1995 – 2008            |
| Professional Learning Facilitator                    | Fulton County Schools (GA)   | 1999 – 2008            |
| Mathematics Instructor                               | Michigan State University  | 1992 – 1995            |

## Publications

### Refereed Publications – Books and Book Chapters

- Kirby, J. E., **Lischka, A. E.**, & Alibegovic, E. (Accepted). Assessing GeT student learning objectives using representations of teaching practice. In A. Brown, P. Herbst, N. Miller, & L. Pyzdrowski (Eds.) *The GeT Course: Resources and Objectives for the Geometry Courses for Teachers*.
- Lischka, A. E.**, Gerstenschlager, N. & Webster, J. (Accepted). Interrogating grading practices in mathematics methods. In *Pausing at the Threshold: Opportunity Through, With, and For Self-Study of Teacher Education Practices*.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (Accepted). Articulating a pedagogy of discussion: re-imagining our discussion practice in mathematics methods. In *Pausing at the Threshold: Opportunity Through, With, and For Self-Study of Teacher Education Practices*.
- Lai, Y., Wasserman, N., Strayer, J. F., Casey, S., Weber, K., Fukawa-Connelly, T., & **Lischka, A. E.** (Accepted). Making advanced mathematics work in secondary teacher education. In *Reflection on Past, Present, and Future: Paving the Way for the Future of Mathematics Teacher Education*. Information Age Publications.

- Lischka, A. E.**, Gerstenschlager, N., & Seat, J. (2020). A journey toward course assessment as a relational practice in mathematics methods. In C. Edge, A. Standerford, & B. Bergh (Eds.), *Textiles and Tapestries: Self-Study for Envisioning New Ways of Knowing* (pp 46-54). EdTech Books.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2020). Weaving discussions with questioning. In C. Edge, A. Standerford, & B. Bergh (Eds.), *Textiles and Tapestries: Self-Study for Envisioning New Ways of Knowing* (pp 623-632). EdTech Books.
- Martin, W. G., Lawler, B. R., **Lischka, A. E.**, & Smith, W. M. (2020). *The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation*. Information Age Publishing.
- Martin, W. G., **Lischka, A. E.**, Lawler, B. R., & Smith, W. M. (2020). Looking back to look ahead: transforming secondary mathematics teacher preparation. In G. W. Martin, B. R. Lawler, **A. E. Lischka**, & W. M. Smith (Eds.) *The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation* (pp. 373-389). Information Age Publishing.
- Lischka, A. E.**, Lai, Y., Strayer, J. F., & Anhalt, C. (2020). Developing mathematical knowledge in and for teaching in content courses. In G. W. Martin, B. R. Lawler, **A. E. Lischka**, & W. M. Smith (Eds.) *The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation* (pp. 119-141). Information Age Publishing.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2018). Building questioning as a relational practice through self-study. In D. Garbett & A. Ovens (Eds.), *Pushing Boundaries and Crossing Borders: Self-Study as a Means for Knowing Pedagogy* (pp. 401-408). S-STEP.
- Kastberg, S., Tyminski, A., **Lischka, A. E.**, & Sanchez, W. B. (Eds.) (2018). *Building Support for Scholarly Practices in Mathematics Methods*. Information Age Publishing.
- Kastberg, S., Tyminski, A., **Lischka, A. E.**, & Sanchez, W. B. (2018). Setting the stage: Explorations of mathematics teacher educator practices. In S. Kastberg, A. Tyminski, **A. E. Lischka**, & W. B. Sanchez (Eds.) *Building Support for Scholarly Practices in Mathematics Methods* (pp. 3 – 10). Information Age Publishing.
- Casey, S., Fox, R., & **Lischka, A. E.** (2018). Interpretations and uses of classroom video in teacher education: Comparisons across three perspectives. In S. Kastberg, A. Tyminski, **A. E. Lischka**, & W. B. Sanchez (Eds.) *Building Support for Scholarly Practices in Mathematics Methods* (pp. 297 – 310). Information Age Publishing.
- Barlow, A. T., Prince, K. M., **Lischka, A. E.**, & Duncan, M. D. (2017). Developing algebraic reasoning through variation in the U.S. In R. Huang & Y. Li (Eds.), *Teaching and Learning Mathematics through Variation: Confucian Heritage Meets Western Theories* (pp. 321-339). Sense Publishers.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2016). Exploring written feedback as relational practice. In D. Garbett, & A. Ovens (Eds.), *Enacting Self-Study as Methodology for Professional Inquiry* (pp. 387-394). S-STEP.
- Lim, W. & **Lischka, A. E.** (2016). Mathematics teacher educators' examination of edTPA content validity: Academic language and representation. In D. Polly (Ed), *Evaluating Teacher Education Programs through Performance-Based Assessments* (pp. 109-124). IGI Global.

### Refereed Publications – Journal Articles

- Lischka, A. E.**, Gerstenschlager, N., & Webster, J. (Accepted). Dismantling traditional structures of assessment practice: Self-study as a path to understanding alternative assessment systems. *Philosophy of Mathematics Education*.
- Lai, Y., Strayer, J. F., Ross, A., Adamoah, K., Anhalt, C. O., Bonnesen, C., Casey, S., Kohler, B., & **Lischka, A. E.** (2023). Enhancing prospective secondary teachers' potential competence for enacting core teaching practices—through experiences in university mathematics and statistics courses. *ZDM – Mathematics Education*, 1 – 15.

- Lai, Y., **Lischka, A. E.**, Strayer, J. F., & Adamoah, K. (2023). Characterizing prospective secondary teachers' foundation and contingency knowledge for definitions of transformations. *Journal of Mathematical Behavior*, 70, 101030.
- Barlow, A. T., Willingham, J. C., **Lischka, A. E.**, Stephens, D. C., & Hartland, K. S. (2021/2022). Implementing lesson study: Challenges identified by emerging teacher leaders. *NCSM Journal of Mathematics Education Leadership*, 22(2), 3-17.
- Lischka, A. E.**, Lai, Y., Czap, L., & Strayer, J. (2021). Revealing prospective secondary teachers' mathematical knowledge for teaching in teacher-created representations of practice. *The Mathematician Educator*, 2(2), 86-106.
- Willingham, J. C., Barlow, A. T., **Lischka, A. E.**, Stephens, D. C., & Hartland, K. S. (2021). Mindset regarding mathematical ability in K-12 teachers. *School Science and Mathematics*, 121(4), 234-246. <http://doi.org/10.1111/ssm.12466>
- Gerstenschlager, N. E., Barlow, A. T., **Lischka, A. E.**, Watson, L., Strayer, J., Stephens, D. C., Hartland, K. S., & Willingham, J. C. (2021). Double demonstration lessons: Authentically participating in an inquiry stance. *Mathematics Teacher Educator* 9(2), 110-126.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2020). Written feedback as a relational practice: Revealing mediating factors. *Studying Teacher Education: A Journal of Self-Study of Teacher Education Practices*, 16(3), 324-344. 10.1080/17425964.2020.1834152
- Lischka, A. E.**, & Stephens, D. C. (2020). The area model: Building mathematical connections. *Mathematics Teacher: Learning & Teaching, PreK-12*, 113(3), 186-195.
- Lischka, A. E.**, Prince, K., & Reed, S. (2020). Implementing extended tasks: Developing perseverance. *Mathematics Teacher: Learning & Teaching, PreK-12*, 113(1), 47-52.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2019). Exploring mathematics teacher educator questioning as a relational practice: Acknowledging imbalances. *Studying Teacher Education: A Journal of Self-Study of Teacher Education Practices*, 15(1), 67-81.
- Barlow, A. T., **Lischka, A. E.**, Willingham, J. C., Hartland, K., & Stephens, D. C. (2018). The relationship of implicit theories to elementary teachers' patterns of engagement in a mathematics-focused professional development setting. *Mid-Western Educational Researcher*, 30(3), 93-122.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2018). Characterizing mathematics teacher educators' written feedback to prospective teachers. *Journal of Mathematics Teacher Education*, 23(2), 131-152. DOI: 10.1007/s10857-018-9414-6
- Lischka, A. E.**, Gerstenschlager, N. E., Stephens, D. C., Strayer, J. F., & Barlow, A. T. (2018). Making room for inspecting mistakes. *Mathematics Teacher*, 111, 432-439.
- Willingham, J. C., Strayer, J. F., Barlow, A. T., & **Lischka, A. E.** (2018). Examining mistakes to shift student thinking. *Mathematics Teaching in the Middle School*, 23, 324-332.
- Barlow, A. T., Watson, L. A., Tessema, A. A., **Lischka, A. E.**, & Strayer, J. F. (2018). Inspection-worthy mistakes: Which? and why? *Teaching Children Mathematics*, 24, 384-391.
- Barlow, A. T., Gerstenschlager, N. E., Strayer, J. F., **Lischka, A. E.**, Stephens, D. C., Hartland, K. S., & Willingham, J. C. (2018). Scaffolding for access to productive struggle. *Mathematics Teaching in the Middle School*, 23, 202-207.
- Kastberg, S. E., **Lischka, A. E.**, Tyminski, A., & Sanchez, W. B. (2017). Learning through and about perspectives: Scholarly inquiry and practice. *Connections*, 27(2). Retrieved from: <https://amte.net/connections/winter-2017>.
- Barlow, A. T., Duncan, M., **Lischka, A. E.**, Hartland, K. S., & Willingham, J. C. (2017). Are your students problem performers or problem solvers? *Teaching Children Mathematics*, 23, 550-558.

- Strayer, J. F., Barlow, A. T., **Lischka, A. E.**, Gerstenschlager, N. E., Stephens, D. C., Willingham, J. C., & Hartland, K. S. (2017). Meeting the needs expressed by teachers: Adaptations of the traditional model for demonstration lessons. *NCSM Journal of Mathematics Education Leadership*, 18 (1), 18-26.
- Barlow, A. T., **Lischka, A. E.**, Willingham, J. C., & Hartland, K. S. (2016/2017). Backing up and moving forward in fractional understanding. *Teaching Children Mathematics*, 23, 284-291.
- Lischka, A. E.**, & Garner, M. (2016). A practitioner's instrument for measuring secondary mathematics teachers' beliefs surrounding learner-centered classroom practice. *Journal of Applied Measurement*, 17(2), 166-184.
- Lischka, A. E.**, Sanchez, W. B., Kastberg, S., & Tyminski, A. M. (2016). Seeking bridges between theory and practice: A report from the scholarly inquiry and practices conference on mathematics methods education. *Journal for Mathematics Education Leadership*, 17(1), 38-48.
- Orrill, C. H., Kim, O., Peters, S. A., **Lischka, A. E.**, Jong, C., Sanchez, W. B., & Eli, J. A. (2015). Challenges and strategies for assessing specialized knowledge for teaching. *Mathematics Teacher Education and Development*, 17, 12-29.
- Sanchez, W. B., **Lischka, A. E.**, Edenfield, K. W., & Gammill, R. (2015). An emergent framework: Views of mathematical processes. *School Science and Mathematics*, 115, 88-99. doi: 10.1111/ssm.12103
- Elliott, A.**, & Froelicher, R. (1994). Exploring geometry software. *Factorial*, 25(3), 16-19.

#### Refereed Publications – Conference Proceedings

- Lischka, A. E.**, Dyer, E., Jones, R. S., Lovett, J., Strayer, J. F., & Drown, S. (2022, in press). *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.
- Lischka, A. E.**, Burns, B., Huang, W. Y., Lim, D., Parrish, C. W., & Smucker, K. (2022, in press). Using rehearsals to support prospective teachers in teaching with technology. In A. E. Lischka, E. Dyer, R. S. Jones, J. Lovett, J. F. Strayer, & S. Drown (Eds.) *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. E. (2022, in press). Supporting discussion practice in mathematics methods: applications of whole-class scaffolding. In A. E. Lischka, E. Dyer, R. S. Jones, J. Lovett, J. F. Strayer, & S. Drown (Eds.) *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Lai, Y., **Lischka, A. E.**, & Strayer, J. F. (2021). Characterizing prospective secondary teachers' foundation and contingency knowledge for definitions of transformations. In D. Olanoff, K. Johnson, & S. Spitzer (Eds.) *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 437-446). Philadelphia, PA.
- Czap, L., Ahrens, S., Lai, Y., & **Lischka, A. E.** (2021). Shaping the professional growth of mathematics faculty who teach prospective secondary teachers. In D. Olanoff, K. Johnson, & S. Spitzer (Eds.) *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 733-737). Philadelphia, PA.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2021). Revealing the pedagogy of discussion in mathematics methods. In D. Olanoff, K. Johnson, & S. Spitzer (Eds.) *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1494-1499). Philadelphia, PA.
- Lischka, A. E.**, Hillman, S. L., & Kastberg, S. E. (2021). Seeking understanding of sustaining discussions in mathematics methods through self-study of teacher education practices. *Paper presented at American Education Research Association Conference, April 2021*.

- Czap, L., Ahrens, S., **Lischka, A.E.**, & Lai, Y. (2020). Mathematics instructors' attention to instructional interactions in discussions of teaching rehearsals. In A. I. Sacristán, J. C. Cortés-Zavala & P. M. Ruiz-Arias (Eds.) *Mathematics Education Across Cultures: Proceedings of the 42nd Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 2047-2051). Mexico. Cinvestav/AMIUTEM/PME-NA. <https://doi.org/10.51272/pmena.42.2020-343>
- Lai, Y., Strayer, J. F., **Lischka, A. E.**, Anhalt, C., Quinn, C., & Reed, S. (2019). A framework for examining prospective teachers' use of mathematical knowledge for teaching in mathematics courses. In A. Weinberg, D. Moore-Russo, H. Soto, & M. Wawro (Eds.). *Proceedings of the 22nd Annual Conference on Research in Undergraduate Mathematics Education* (pp. 765-773). RUME.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. (2018). Investigating MTE questioning as a relational teaching practice. In T.E. Hodges, G. J. Roy, & A. M. Tyminski (Eds.). *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1044-1051). Greenville, SC: University of South Carolina & Clemson University.
- Lai, Y., Strayer, J. F., & **Lischka, A. E.** (2018). Analyzing the development of MKT in content courses. In T.E. Hodges, G. J. Roy, & A. M. Tyminski (Eds.). *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 496-499). Greenville, SC: University of South Carolina & Clemson University.
- Lischka, A. E.** (2018). The mathematics of doing, understanding, learning, and educating for secondary schools RAC report. In W. M. Smith, B. R. Lawler, J. F. Strayer, & L. Augustyn (Eds.) *Proceedings of the Seventh Annual Mathematics Teacher Education Partnership Conference*. Washington, DC: Association of Public and Land-grant Universities. Retrieved from: <http://www.aplu.org/projects-and-initiatives/stem-education/mathematics-teacher-education-partnership/mtep-conferences-meetings/mtep7.html>
- Strayer, J. F., **Lischka, A. E.**, Quinn, C. M., & Watson, L. (2018). Developing preservice teachers' mathematical knowledge for teaching in content courses. In A. Weinberg, C. Rasmussen, J. Rabin, M. Wawro, & S. Brown (Eds.) *Proceedings of the 21st Annual Conference on Research in Undergraduate Mathematics Education* (pp. 826-833). RUME.
- Lischka, A. E.**, Strayer, J., Watson, L., & Quinn, C. (2017). Building mathematical knowledge for teaching in a geometry course for preservice teachers. In E. Galindo & J. Newton (Eds.) *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 635). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2017). Investigating the relational nature of feedback practice. In E. Galindo & J. Newton (Eds.) *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1155-1162). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.
- Lischka, A. E., & Alibegovic, E. (2017). MODULE(S<sup>2</sup>) RAC report: Blending content and mathematical knowledge for teaching in mathematics courses. In W. M. Smith, B. R. Lawler, J. Bowers, & L. Augustyn, L. (Eds.) *Proceedings of the Sixth Annual Mathematics Teacher Education Partnership Conference*. Washington, DC: Association of Public and Land-grant Universities. Retrieved from: <http://www.aplu.org/projects-and-initiatives/stem-education/mathematics-teacher-education-partnership/mtep-conferences-meetings/mtep6.html>
- Lischka, A. E.**, Hartland, K. S., & Duncan, M. D. (2016). Exploring prospective teachers' formative feedback practices. In M. B. Wood, E. E. Turner, M. Civil, M., & J. A. Eli, (Eds.) *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 947). Tucson, AZ: The University of Arizona.
- Kastberg, S., **Lischka A. E.**, Hillman, S. (2016). Exploring prospective teachers' written feedback on mathematics tasks. In M. B. Wood, E. E. Turner, M. Civil, M., & J. A. Eli, (Eds.) *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp 783-790). Tucson, AZ: The University of Arizona.

- Lischka, A. E., & Alibegovic, E. (2016). The mathematics of doing, understanding, learning, and educating for secondary schools. In B. R. Lawler, R. N. Ronau, & M. J. Mohr-Schroeder, (Eds.) *Proceedings of the Fifth Annual Mathematics Teacher Education Partnership Conference*. Washington, DC: Association of Public Land-grant Universities. Retrieved from: <http://www.aplu.org/projects-and-initiatives/stem-education/mathematics-teacher-education-partnership/mtep-conferences-meetings/mtep5.html>
- Lischka, A. E.**, Barlow, A. T., Willingham, J. C., Hartland, K., & Stephens, D. C. (2015). Mindset in professional development: Exploring evidence of different mindsets. In T.G. Bartell, K.N. Bieda, R. T. Putnam, K. Bradfield, & H. Dominguez (Eds.) *Proceedings of the 37<sup>th</sup> annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 732–739). East Lansing, MI: Michigan State University.
- Sanchez, W. B. & **Lischka, A. E.** (2014). Views of mathematical processes: A framework. In S. Oesterle, C. Nicol, P. Liljedahl, & D. Allen (Eds.), *Proceedings of the Joint Meeting of PME 38 and PME-NA 36 (Vol. 6)* (p. 222). Vancouver, Canada: PME.
- Lischka, A. E.**, & Garner, M. (2013). A practitioner's instrument for measuring secondary mathematics teachers' beliefs surrounding learner-centered classroom practice. In M. Martinez, & A. Castro Superfine (Eds.) *Proceedings of the 35<sup>th</sup> Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp. 1061-1064). Chicago, IL: University of Illinois at Chicago.
- Kastberg, S., Sanchez, W., Tyminski, A., **Lischka, A.**, & Lim, W. (2013). Exploring mathematics methods courses and impacts for prospective teachers. In M. Martinez, & A. Castro Superfine (Eds.) *Proceedings of the 35<sup>th</sup> Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp. 1349-1357). Chicago, IL: University of Illinois at Chicago.
- Lischka, A. E. (2012). Experiences filtered by beliefs: The effects of a professional development school secondary mathematics methods course. In L. R. Van Zoest, J. J. Lo, & J. L. Kratky (Eds.), *Proceedings of the 34<sup>th</sup> Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (p. 786). Kalamazoo, MI: Western Michigan University.
- Gardner, K., Edenfield, K., Sanchez, W., **Lischka, A. E.**, Rimpola, R., & Gammill, R. (2011). State conference presenters' conceptions of reform in mathematics. In L. R. Wiest, & T. D. Lamberg (Eds.) *Proceedings of the 33<sup>rd</sup> Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp.1286-1294). Reno, NV: University of Nevada, Reno.
- Lischka, A. E.** (2010). Investigating mathematical literacy through teacher language. *Proceedings of the Fourth Annual Meeting of the Georgia Association of Mathematics Teacher Educators*, pp.4-11. Eatonton, GA.

### Refereed Publications – Dissertation

- Lischka, A. E.** (2012). *Case study of participants in a site-based secondary mathematics methods course and internship: Three teachers in transition*. Dissertations, Theses, and Capstone Projects. Paper 512. <http://digitalcommons.kennesaw.edu/etd/512>

### Presentations

#### Refereed Presentations

- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (Accepted, 2023, October). *Building Discussions of Mathematics Teaching Pedagogy from Teachers' Experience and Thinking*. Presentation at the National Council of Teachers of Mathematics 2023 Annual Meeting and Exposition. (Washington D. C.)
- Lischka, A. E.**, Gerstenschlager, N. & Webster, J. (Accepted, 2023, August). *Interrogating Grading Practices in Mathematics Methods: Creating Threshold Opportunities for Examining Institutional Norms*. Presentation at the 14<sup>th</sup> International Conference on Self-Study of Teacher Education Practices, Conference of the S-STEP SIG of AERA, East Sussex, England.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (Accepted, 2023, August). *Articulating a Pedagogy of Discussion: Re-Imagining Our Discussion Practice in Mathematics Methods*. Presentation at the 14<sup>th</sup> International Conference on Self-Study of Teacher Education Practices, Conference of the S-STEP SIG of AERA, East Sussex, England.

- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2023, February). *Supporting Development of Mathematics Teacher Educator Practice: Using Community, Artifacts, and Theory*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. New Orleans, LA.
- Lischka, A. E.**, Franz, D., Mohr-Schroeder, M., & Lawler, B. (2023, February). *Organizing for Transformation Toward the AMTE Standards: Tools to Initiate (or Renew) Conversations*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. New Orleans, LA.
- Burns, B.**, Huang, J., Lim, D., **Lischka, A. E.**, & Parrish, C. (2023, February). *Engaging Prospective Secondary Teachers in Learning to Teach with Technology: Rehearsals with Mathematical Action Technologies*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. New Orleans, LA.
- Lischka, A. E.**, Burns, B., Huang, W. Y., Lim, D., Parrish, C. W., & Smucker, K. (2022, November). *Using Rehearsals to Support Prospective Teachers in Teaching with Technology*. Presentation at the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Nashville, TN.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. E. (2022, November). *Supporting Discussion Practice in Mathematics Methods: Applications of Whole-Class Scaffolding*. Presentation at the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Nashville, TN.
- Lischka, A. E.**, Casey, S., Anhalt, C., & Lai, Y. (2022, February). *Using Representations of Teaching Practice in Content Courses: Opportunities for Developing Mathematical Knowledge for Teaching*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. Las Vegas, NV.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2022, February). *Supporting Productive Discussions of Mathematics Teaching Pedagogy: Intentionally Scaffolding for Discussion to Learn About Teaching*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. Las Vegas, NV.
- Lischka, A. E.**, Gerstenschlager, N., & Webster, J. (2022, January). *Revising the Assessment Structure in a Mathematics Methods Course: A Means to Move Authority*. Presentation at the Southeastern STEM Education Conference. Murfreesboro, TN.
- Lai, Y., **Lischka, A. E.**, & Strayer, J. F. (2021, October). *Characterizing Prospective Secondary Teachers' Foundation and Contingency Knowledge for Definitions of Transformations*. Presentation at the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Philadelphia, PA.
- Czap, L., Ahrens, S., Lai, Y., & **Lischka, A. E.** (2021, October). *Shaping the Professional Growth of Mathematics Faculty Who Teach Prospective Secondary Teachers*. Presentation at the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Philadelphia, PA.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (2021, October). *Revealing the Pedagogy of Discussion in Mathematics Methods*. Presentation at the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Philadelphia, PA.
- Czap, L., Ahrens, S., **Lischka, A. E.**, & Lai, Y. (2021, June). *Mathematics Instructors' Attention to Instructional Interactions in Discussions of Teaching Rehearsals*. Presentations at the Forty-second Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Mazatlan, Mexico (and online).
- Lai, Y., **Lischka, A. E.**, & Strayer, J. (2021, April). *Is the Medium the Message? Video-Recording and Writing for Approximations of Practice*. Presentation in Symposium: Opportunities and Challenges Associated with Approximations of Practice in Teacher Education Programs at the American Educational Research Association Annual Conference. Online.
- Lischka, A. E.**, Hillman, S., & Kastberg, S. E. (2021, April). *Seeking Understanding of Sustaining Discussions in Mathematics Methods through Self-Study of Teacher Education Practices*. Paper presented at the American Educational Research Association Annual Conference. Online.

- Lischka, A. E.**, & Gerstenschlager, N. E. (2021, February). *Assessment in Secondary Mathematics Methods: Toward Equitable Practice Promoting Reflection and Transfer of Power*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. Online.
- Smith, W. M., **Lischka, A. E.**, Lawler, B. R., Martin, W. G., Strutchens, M. E., Franz, D. P., & Uy, F. (2021, February). *The Mathematics Teacher Education Partnership: Transforming Secondary Teacher Preparation Toward the AMTE Standards*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. Online.
- Lischka, A. E.**, Casey, S., Lai, Y., Sullivan, P., Kohler, B., Noblitt, B., Marzocchi, A., & Lockwood, E. (2021, February). *Supporting MTEs to Develop Mathematical Knowledge for Teaching in Content Courses for Prospective Secondary Teachers*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators. Online.
- Gerstenschlager, N., Webster, J., & **Lischka, A. E.** (2020, October). *Course Assessment in a Mathematics Methods Course and Relational Teacher Education*. Presentation at the Mid-South Educational Research Association Conference. Online.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. L. (2020, February). *MTE Questioning in Methods Courses: How and What do We Come to Know?* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Phoenix, AZ.
- Raygoza, M., **Lischka, A.E.**, Tanner, A., Males, L. M., Stone, J., Harper, F., & Sullivan, P. (2020, February). *Humanizing Approaches to Grading with Mathematics Pre-service Teachers: Navigating and Pushing Beyond Systems*. Workshop Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Phoenix, AZ.
- Czap, L., & **Lischka, A. E.** (2020, January). *Comparing the Visibility of Prospective Teachers' Mathematical Knowledge for Teaching Secondary Geometry in Written and Video Format Responses*. Presentation at the Tennessee STEM Education Conference, Cookeville, TN.
- Lischka, A. E.**, Lai, Y., Strayer, J. F., & Czap, L. (2019, November). *Comparing Secondary Teachers' MKT for Geometry in Video and Written Representations of Practice*. Poster Presentation at the Forty-First Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. L. (2019, November). *Examining our Questions: Differences in Relational Qualities Between Mathematical and Pedagogical Questioning*. Poster Presentation at the Forty-First Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO.
- Lischka, A. E.**, Prince, K., & Reed, S. (2019, October). *Mathematics Pen-Pals: Developing Students' Perseverance Through Letter Writing*. Presentation at the NCTM 2019 Regional Conference and Exposition, Nashville, TN.
- Lischka, A. E.**, Gerstenschlager, N. & Strayer, J. F. (2019, October). *Moving Beyond the Homework Review: Ways to Leverage "Mistakes" as Tools for Learning*. Presentation at the NCTM 2019 Regional Conference and Exposition, Nashville, TN.
- Strayer, J. F., Haynes, J. & **Lischka, A. E.**, (2019, October). *Developing Mathematical and Statistical Knowledge for Teaching - Let's See It Happen!* Presentation at the NCTM 2019 Regional Conference and Exposition, Nashville, TN.
- Lischka, A. E.**, Lai, Y., & Strayer, J. F. (2019, June). *Comparing Secondary Teachers' MKT For Geometry Exposed in Video and Written Representations of Practice*. Presentation at the 2019 MTE-Partnership Conference, St. Louis, MO.
- Lischka, A. E.**, Anhalt, C., Lai, Y., & Strayer, J. (2019, April). *Eliciting and Examining Mathematical Knowledge For Teaching: A Framework to Support Teacher Growth*. Presentation at the National Council of Supervisors of Mathematics Annual Conference, San Diego, CA.
- Amick, L., Fernandez, M., Franz, D., Lawler, B., **Lischka, A. E.**, Martin. G. W., Lawler, B., McNamara, J., Smith, W., Strutchens, M., & Webb, D. (2019, April). *Collaborating to Improve the Preparation of Secondary Mathematics Teachers*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Diego, CA.



- Hillman, S. L., Kastberg, S. E., & **Lischka, A. E.** (2019, February). *Characterizing MTEs' Questioning Practice: Improving Practice Through Inquiry*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lischka, A. E.**, Lai, Y., Strayer, J., & Anhalt, C. (2019, February). *Developing Prospective Secondary Teachers' MKT Through Approximations of Practice*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Barlow, A. T., **Lischka, A. E.**, Strayer, J., & Watson, L. (2019, February). *Professional Development Toward Sustainable Changes in Practice: Leading With Teachers*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lischka, A. E.**, Strayer, J., Millsap, S., & Jones, R. S. (2019, February). *The Middle Tennessee MTE-Partnership: Research-Based Growth and Improvement*. Poster Presentation at the Tennessee STEM Education Conference, Murfreesboro, TN.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. (2018, November). *Investigating MTE Questioning as a Relational Teaching Practice*. Presentation at the Fortieth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Greenville, SC.
- Watson, L., **Lischka, A. E.**, Barlow, A. T. (2018, November). *Supporting an Inquiry Stance with Double Demonstration Lessons*. Presentation at the Fortieth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Greenville, SC.
- Lai, Y., Strayer, J. F., & **Lischka, A. E.** (2018, November). *Analyzing the Development of MKT in Content Courses*. Presentation at the Fortieth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Greenville, SC.
- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. (2018, July). *Building Questioning as a Relational Practice through Self-Study*. Presentation at the 12<sup>th</sup> International Conference on Self-Study of Teacher Education Practices, Conference of the S-STEP SIG of AERA, East Sussex, England.
- Strayer, J. F., Lai, Y., **Lischka, A. E.**, & Anhalt, C. (2018, June). *An Emerging Framework for Understanding the Development of Mathematical Knowledge for Teaching*. Presentation at the 2018 Mathematics Teacher Education Partnership Annual Meeting, Denver, CO.
- Lischka, A. E.**, Kastberg, S., & Hillman, S. (2018, February). *Factors that Impact MTE's Written Feedback Practice: Improving Practice Through Inquiry*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Houston, TX.
- Casey, S., Fox, R. & **Lischka, A. E.** (2018, February). *Variation and Intentionality in Teaching Mathematics Methods Courses: A Focus on Video Cases*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Houston, TX.
- Lischka, A. E.** (2018, January). *MODULE(S<sup>2</sup>) Project: Developing Prospective Secondary Mathematics Teachers' Mathematical Knowledge for Teaching in College Geometry*. Presentation at the Joint Mathematics Meeting, San Diego, CA.
- Lischka, A. E.**, Strayer, J. F., Watson, L. A., & Quinn, C. A. (2017, October). *Building Mathematical Knowledge for Teaching in a Geometry Course for Preservice Teachers*. Poster Presentation at the Thirty-ninth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2017, October). *Investigating the Relational Nature of Feedback Practice*. Presentation at the Thirty-ninth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN.
- Lischka, A. E.**, Kastberg, S., & Hillman, S. (2017, April). *Characterizing MTE Feedback: Learning from an Instantiation of Practice*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Antonio, TX.

- Sanchez, W. B., Fox, R., Taylor, C. & **Lischka, A. E.** (2017, April). *Variation and Intentionality in Teaching Mathematics Methods Courses*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Antonio, TX.
- Lischka, A. E.**, Matuszewski, A. & Watson, L. (2017, April). *Recursive and Explicit Relationships using Algebra Tiles*. Presentation at the National Council of Teachers of Mathematics Annual Conference, San Antonio, TX.
- Barlow, A. T., **Lischka, A. E.**, Strayer, J., Hartland, K., Willingham, J. C. (2017, April). *Double Demonstration Lessons: Supporting Teachers' Development of an Inquiry Stance*. Presentation at the National Council of Supervisors of Mathematics Annual Conference, San Antonio, TX.
- Sanchez, W. B., Kastberg, S., & **Lischka, A. E.** (2017, February). *Next Steps for Methods: Building Support for Scholarly Practices in Mathematics Methods Courses*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Barlow, A. T., **Lischka, A. E.**, Strayer, J., Willingham, J. C., Hartland, K., Gerstenschlager, N., Watson, L. (2017, February). *Adapting Professional Learning Models to Attend to Teachers' Levels of Appropriation of Practice*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Chauvot, J., Lynch, S., **Lischka, A. E.**, Angeli-Clark, P. (2017, February). *I Am New to Mathematics Teacher Education: Now What?* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lischka, A. E.**, Strayer, J., Alibegovic, E., Watson, L., & Quinn, C. (2017, February). *Building Mathematical Knowledge for Teaching Geometry in a Secondary Content Course: Geometry and Beyond*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lischka, A. E.**, Hartland, K. S., & Duncan, M. D. (2016, November). *Exploring Prospective Teachers' Formative Feedback Practices*. Poster presentation at the Thirty-eighth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Kastberg, S., **Lischka A. E.**, Hillman, S. (2016, November). *Exploring Prospective Teachers' Written Feedback on Mathematics Tasks*. Presentation at the Thirty-eighth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2016, August). *Exploring Written Feedback as a Relational Practice*. Presentation at the 11<sup>th</sup> International Conference on Self-Study of Teacher Education Practices, Conference of the S-STEP SIG of AERA, East Sussex, England.
- Sanchez, W. B., Kastberg, S., Tyminski, A. & **Lischka, A. E.** (2016, April). *Perspectives on Methods Courses*. Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, San Francisco, CA.
- Aaron, W. R., Alibegovic, E., Amidon, J., Crespo, S., Milewski, A. M., Bannister, N. A., Casey, S., Hanby, K., Kalinec-Craig, C., & **Lischka, A. E.** (2016, April). *Research on Math Teacher Education in an Online Multimedia Environment*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Francisco, CA.
- Sanchez, W. B., Kastberg, S., Tyminski, A., & **Lischka, A. E.** (2016, April). *A Report from the 2015 SIP Conference on Mathematics Methods*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Francisco, CA.
- Lischka, A. E.**, Barlow, A. T., Willingham, J. C., & Hartland, K. (2016, April). *Implementing Lesson Study: Obstacles and Challenges Identified by Emerging Teacher Leaders*. Presentation at the 48th National Council of Supervisors of Mathematics Annual Conference, San Francisco, CA.
- Swartz, B., VanIngen, S., & **Lischka, A. E.** (2016, January). *DBR: A Scholarly Approach to Teaching – What it Means for New [and Veteran] MTEs*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.

- Lischka, A. E.**, Barlow, A. T., Willingham, J. C., & Hartland, K. (2016, January). *Thinking about Mindset and Professional Learning*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Hartland, K., Willingham, J. C. & **Lischka, A. E.** (2015, November). *Leveraging Mindset for Student Success in the Mathematics Classroom*. Presentation at the National Council of Teachers of Mathematics Regional Conference, Nashville, TN.
- Lischka, A. E.**, Barlow, A. T., Willingham, J. C., Hartland, K., & Stephens, D. C. (2015, November). *Mindset in Professional Development: Exploring Evidence of Different Mindsets*. Presentation at the Thirty-seventh Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, East Lansing, MI.
- Lischka, A. E.** & Sanchez, W. B. (2015, April). *Scholarly Practice in Methods: Examining Revisions of a Task*. Presentation at the National Council of Teachers of Mathematics Research Conference, Boston, MA.
- Barlow, A. T., **Lischka, A. E.**, Hartland, K. S. & Willingham, J. C. (2015, April). *Project IMPACT2: Examining the Role of Mindset in Professional Development*. Presentation at the 47th National Council of Supervisors of Mathematics Annual Conference, Boston, MA.
- Lischka, A. E.**, Kastberg, S., Hillman, S. & Hartland, K. S. (2015, February). *Learning about Prospective Teachers Learning about Feedback*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Barlow, A. T., **Lischka, A. E.**, Hartland, K. S., Willingham, J. C., & Stephens, D. C. (2014, November). *The Impact of Mindset on Instructional Practices and Professional Learning*. Presentation at the 43rd Annual Meeting of the Mid-South Educational Research Association, Knoxville, TN.
- Sanchez, W. B. & **Lischka A. E.** (2014, July). *Views of Mathematical Processes: A Framework*. Presentation at the Joint Meeting of the International Group for the Psychology of Mathematics Education (PME 38) and the North American Chapter of the Psychology of mathematics Education (PME-NA 36), Vancouver, Canada.
- Lischka, A. E.** & Sanchez, W. (2014, February). *The Evolution of a Methods Task: Improving Preservice Teachers' Reflections on Their Practice*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Sanchez, W. & **Lischka, A. E.** (2014, February). *Scholarly Inquiry and Practice of Mathematics Methods Instruction*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Lischka, A. E.** & Garner, M. (2013, November). *A Practitioner's Instrument for Measuring Secondary Mathematics Teachers' Beliefs Surrounding Learner-Centered Classroom Practice*. Presentation at the Thirty-fifth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Chicago, IL.
- Kastberg, S., Sanchez, W., Tyminski, A., **Lischka, A. E.**, & Lim, W. (2013, November). *Exploring Mathematics Methods Courses and Impacts for Prospective Teachers*. Working Group at the Thirty-fifth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Chicago, IL.
- Lischka, A. E.**, Garner, M., & Ledford, S. (2013, April). *Teaching Content Through Problem Analysis: Driven by CCSS Mathematical Practices*. Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, Denver, CO.
- Lischka, A. E. (2013, April). *Variations In Mathematics Teaching Cycles: A Framework for Teacher Growth*. Interactive Paper Session at the Research Pre-session of the 2013 Annual Meeting of the National Council of Teachers of Mathematics, Denver, CO.
- Hillen, A., Watanabe, T., Sanchez, W. B. & **Lischka, A. E.** (2013, January). *Reading and Writing Group: A Tool to Support the Scholarship of Mathematics Teacher Educators*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.

- Lischka, A. E. (2012, November). *Experiences Filtered by Beliefs: The Effects of a Professional Development School Secondary Mathematics Methods Course*. Poster presentation at the Thirty-fourth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Kalamazoo, MI.
- Lischka, A. E. (2012, April). *The Median-Median Line: Connecting Data, Geometry, and Algebra*. Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, Philadelphia, PA.
- Gardner, K., Edenfield, K., Sanchez, W., **Lischka, A. E.**, Rimpola, R. & Gammill, R. (2011, November). *State Conference Presenters' Conceptions of Reform in Mathematics*. Presentation at the Thirty-third Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV.
- Edenfield, K., Gardner, K., **Lischka, A. E.**, Sanchez, W., Rimpola, R., & Gammill, R. (2011, April). *Conceptions of Reform-Oriented Mathematics Among Conference Presenters*. Poster presentation at the Annual Meeting of the National Council of Teachers of Mathematics Research Pre-Session, Indianapolis, IN.

### Invited and Selected Other Presentations

- Lischka, A. E.** (2023, March). *Engaging in Self-Study of Teacher Educator Practices to Build Understanding of Mathematics Methods Instruction*. Presentation at the Mathematics and Science Education Seminar Series. Middle Tennessee State University, Murfreesboro, TN.
- Lischka, A. E.** & Alibegovic, E. (2022, April). *MODULE(S<sup>2</sup>) Geometry: Connecting College Geometry with K-12 Teaching*. Invited speaker for the GeT a Pencil Community. Online.
- Lischka, A. E.** (2019, April). *What is a Relational Teacher Education Practice and How is it Enacted? Learning About and Improving Mathematics Methods Teaching Practice through Self-Study Methodology*. Invited speaker at the University of Georgia Mathematics Education Student Association Colloquium, Athens, GA.
- Martin, W. G., Martinez, J., & **Lischka, A. E.** (2018, February). *The Mathematics Teacher Education Partnership: Improving the Preparation of the Next Generation of Secondary Mathematics Teachers*. Keynote Presentation at the Tennessee STEM Education Conference Murfreesboro, TN.
- Lischka, A. E.** (2017, March). *Seeking Balance on the Journey*. Invited keynote presentation at Sixth Annual Indiana Mathematics Education Research Symposium, Indianapolis, IN.
- Lischka, A. E.** (2016, October). *Evolution of a Research Program: Exploring Effective Feedback in Mathematics Teacher Education*. Presentation at the Mathematics and Science Education Seminar Series. Middle Tennessee State University, Murfreesboro, TN.
- Lischka, A. E.** & Hartland, K. S. (2014, September). *Using Student Work on Tasks as Formative Assessment*, Workshop provided for TNCore Mid-Cumberland Region at MTSU.
- Lischka, A. E.** & Hartland, K. S. (2014, September). *Using Mathematical Processes to Investigate Misconceptions with Visualizations*. Presentation at the State Conference of the Tennessee Mathematics Teachers Association.
- Lischka, A. E.** (2013, September). *The Development of a Mathematics Teacher Beliefs Instrument: An Application of Item Response Theory*. Presentation at the Mathematics and Science Education Seminar Series. Middle Tennessee State University, Murfreesboro, TN.
- Slaughter-Thompson, V. & **Lischka, A. E.** (2012, October). *Encouraging Student Talk: How Do We Put 5 Practices for Orchestrating Productive Mathematics Discussions Into Practice?* Presentation at the Annual Meeting of the Georgia Council of Teachers of Mathematics, Rock Eagle, Eatonton, GA.
- Lischka, A. E.**, & Sanchez, W. B. (2012, October). *GMC Conference Presenters' Conceptions of Reform*. Presentation at the Annual Meeting of the Georgia Association of Mathematics Teacher Educators, Rock Eagle, Eatonton, GA.

- Lischka, A. E.** (2010, October). *A Comparison of University Professors' and High School Teachers' Use of Language in the Mathematics Classroom*. Presentation at the Annual Conference of the Georgia Educational Research Association, Savannah, GA.
- Lischka, A. E.** (2010, October). *Exploring Literacy Through Teacher Language*. Presentation at the Annual Meeting of the Georgia Association of Mathematics Teacher Educators, Rock Eagle, Eatonton, GA.
- Lischka, A. E.** (2009, October). *Addressing Mathematical Literacy Through Vocabulary Instruction*. Presentation at the Annual Conference of the Georgia Educational Research Association, Savannah, GA.
- Lischka, A. E., Davis, D., & Goding, A.** (2009). *Problem-Based Learning in Math 1*. Presentation at the Annual Meeting of the Georgia Council of Teachers of Mathematics, Rock Eagle, Eatonton, GA.
- Elliott, A.** (2003). *Harnessing the Power to Teach*. Presentation at the Georgia Educational Technology Conference, Savannah, GA.

### Courses Taught

| MTSU Course Title and Number   | Term(s) Taught   |
|--|--|
| History, Policy, and Curriculum in Mathematics Education (MATH 7340) | Spring 2018, 2022  |
| Teaching Math in Grades 9 – 12 (MATH 3330)                           | Fall 2014 – 2022<br>Spring 2015                                |
| Supervision – Residency II (YOED 4400)                               | Fall 2015 – 2017, 2019<br>Spring 2014, 2016, 2019 – 2021, 2023 |
| Teaching and Learning Mathematics (MATH 7900)                        | Spring 2021, Spring 2017                                       |
| MSE Seminar (MSE 7820)   | Fall 2015, 2017 – 2019   |
| Teaching and Learning Mathematics and Science (MSE 7900)             | Fall 2021  |
| College Geometry (MATH 3070)   | Spring 2014 – 2021, 2023                                       |
| Teaching Internship (MSE 7800)                                       | Fall 2015, 2019, 2021, 2022<br>Spring 2021                     |
| College Algebra (MATH 1710)  | Fall 2014  |
| Concepts and Structure of Elementary Mathematics (MATH 1410)         | Fall 2020, Fall 2018, Fall 2013                                |
| Discrete Mathematics for Middle Grades Teachers (MATH 3300)          | Fall 2013  |

### Kennesaw State University Courses:

Advanced Perspectives on School Mathematics, Part I (MATH 3495), Advanced Perspectives on School Mathematics, Part II (MATH 4495, MATH 7495), Teaching of Mathematics (MAED 4416), Teaching of Mathematics Practicum (MAED 4417), Teaching of Mathematics Practica (MAED 4475, 6416L, 6475L), Rational Numbers and Proportional Reasoning for Elementary Teachers (MATH 3316), Geometry and Measurement for Elementary Teachers (MATH 3317)

### Dissertation Committees – Chair

Frideckzy, M. (In progress). Professional development.

- Fletcher, S. (In progress). The influence of teacher-student discourse in rural, secondary mathematics classrooms on students' mathematics identity development.
- Webster, J. (2022). Girls' perceptions of the connections between classroom activities and confidence in mathematics.
- Wanner, C. A. (2021). Narrowing the gap: The mediated field experience as a pedagogy to identify and build coherence between mathematics methods coursework and field experience.
- Hartland, K. (2020). Elementary mathematics teachers' feedback practices: A multiple case study. (Co-chair with Angela Barlow).
- Duncan, M. (2018). Prospective teachers' beliefs about mathematical mistakes: An exploratory case study. (Co-chair with Angela Barlow).
- Willingham, J. C. (2016). The role of mindset in a mathematics teacher's interpretations and enactments of professional development activities. (Co-chair with Angela Barlow).

### Dissertation Committees – Committee Member

- Klukowski, L. (In progress). Teacher questioning in integrated STEM courses.
- Reeder, A. (In progress). Science teacher leader effectiveness in schools.
- Kirby, J. (In progress). Instructor perceptions of student example use and understanding in an introduction to proof course.
- Reed, S. (2021). Connecting logic and proof techniques: Identifying learning in an introduction to proofs course.
- Smith, D. K. (2017). An examination of resources that impact the learning experience of underprepared community college students in a redesigned co-requisite statistics course.
- Lohr, M. E. (2017). Examination of undergraduate biology professors' views of the nature of scientific knowledge and their pedagogical content knowledge for teaching the nature of scientific knowledge.
- Prince, K. M. (2016). Learning within context: Exploring lesson study as an aid in enhancing teachers' implementations, conceptions, and perceptions of the Mathematics Teaching Practices.
- Gerstenschlager, N. G. (2015). Implementing reform-oriented statistics in the middle grades: Teacher support.

### Thesis Committees – Chair

- Johnson, T. (2022). Student Self-Efficacy as Related to Portfolio Grading.

### Research and Other Creative Project Participation

| Principal Investigator(s)  | Project   | Responsibilities  | Dates                          |
|--|---|---|--------------------------------|
| Dr. Alyson Lischka (PI) for MTSU Sub-Award (other PIs at other institutions) | Collaborative Research: Using Networked Improvement Communities to Scale Up Program Transformation for Secondary Mathematics Teacher Preparation (NIC-Transform Scale Up) (NSF-IUSE) \$275,000 (MTSU Sub-Award) | Support the growth of a national network of secondary teacher preparation programs and research the supports necessary to maintain growth; Data collection, analysis, and dissemination of findings | October 2022 – September 2026. |
| Dr. Jeremy Strayer (PI)  | MODULE(S <sup>2</sup> ): Collaborative Research: Mathematics of Doing, Understanding, Learning, and   | Develop and pilot materials for College Geometry; Data collection, analysis for the larger project  | September 2017 – August 2023   |

|   |  |   |             |
|---|--|---|-------------|
| Co-PIs: Dr. Alyson Lischka (and others at various institutions)   | Educating for Secondary Schools (NSF IUSE Funded); \$727,437 (MTSU Sub-Award)  | involving materials for Geometry, Algebra, Statistics, and Modeling; Dissemination of materials and findings                          |             |
| Dr. Angela Barlow (Project Director)<br>Dr. Alyson Lischka (MTSU Sub Award PI),<br>Co-PIs: Dr. Chris Stephens, Dr. Jeremy Strayer | IMPACT Legacy: Implementing Mathematical Practices And Content into Teaching - Legacy Year (MSP Funded); \$448,741.17          | Plan and implement summer professional development workshop and monitor professional learning communities throughout the school year  | 2017 – 2018 |
| Dr. Angela Barlow (PI)<br>Co-PIs: Dr. Alyson Lischka, Dr. Chris Stephens, Dr. Jeremy Strayer                                      | IMPACT4: Implementing Mathematical Practices And Content into Teaching 4 (MSP Funded); \$631,476.68                            | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year                   | 2016 – 2017 |
| Dr. Wendy Sanchez (PI)<br>Co-PIs: Dr. Signe Kastberg, Dr. Andy Tyminski, Dr. Alyson Lischka                                       | SIP Conference on Mathematics Methods (NSF DRK-12 Conference Grant); \$100,000   | Plan and facilitate invited conference on mathematics methods courses, prepare monograph to disseminate results of the conference     | 2015 – 2016 |
| Dr. Alyson Lischka (PI)<br>Co-PIs: Dr. Angela Barlow, Dr. Chris Stephens  | IMPACT3: Implementing Mathematical Practices And Content into Teaching 3 (MSP Funded); \$320,000                               | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year                   | 2014 – 2015 |
| Dr. Angela Barlow (PI)<br>Co-PIs: Dr. Alyson Lischka, Dr. Chris Stephens  | IMPACT2: Implementing Mathematical Practices And Content into Teaching 2 (MSP Funded); \$345,000                               | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year                   | 2013 – 2014 |
| Dr. Alyson Lischka (PI)<br>Co-PI: Dr. Wendy Sanchez, Kennesaw State University  | A Case Study of the Impact of a Site-Based Mathematics Teacher Methods Course (Funded by KSU's TQP Research Academy); \$10,400 | Involved in all phases of the project, including: research plan, IRB process, data collection and analysis, dissemination of findings | 2011 – 2013 |
| Dr. Kimberly Gardner,<br>Dr. Wendy Sanchez,<br>Kennesaw State University  | State Conference Presenters' Conceptions of Reform-Oriented Mathematics Teaching; unfunded                                     | Involved in all phases of the project, including: research plan, IRB process, data collection and analysis, dissemination of findings | 2010 – 2013 |

### Professional License and Certificates

| License or Certificate           | Granting Authority                           |
|----------------------------------|--|
| Mental Health First Aid Provider | MTSU Center for Health and Human Services    |
| Certified TEAM Evaluator         | National Institute of Excellence in Teaching |

Mathematics / Adolescent and Young Adulthood Certification

National Board for Professional Teaching Standards

Advanced Placement Calculus Certification

The College Board

Teacher Support Specialist

Georgia Professional Standards Commission

Mathematics Teacher, Grades 6 – 12

Georgia Professional Standards Commission

### Academic and Professional Awards

| Title of Award   | Date                 |
|--|----------------------|
| MTSU Person Who Makes a Difference   | May 2020, 2022, 2023 |
| Phi Kappa Phi Influential Faculty Member (recognized by Crisi Manley)  | November 2021        |
| Phi Kappa Phi Influential Faculty Member (recognized by student Monica Frideczky)  | November 2020        |
| Outstanding Reviewer for Mathematics Teacher Educator Journal, Awarded by the Association of Mathematics Teacher Educators and National Council of Teachers of Mathematics | February 2020        |
| STaR Fellowship  | December 2014        |
| University Scholar for Kennesaw State University Ed.D Program  | May 2013             |
| Susan Gay AMTE Conference Scholarship  | February 2011        |
| Clendenin Fellowship   | June 2011            |
| Tri-Cities High School Teacher of the Year   | 2000 – 2001          |
| Finalist for Fulton County High School Teacher of the Year   | 2000 – 2001          |

### Professional Service and Memberships

| Affiliations  | Dates          |
|---|----------------|
| National Council of Teachers of Mathematics (NCTM)                  | 1994 – present |
| Psychology of Mathematics Education – North American Group (PME-NA) | 2010 - present |
| Association of Mathematics Teacher Educators (AMTE)                 | 2010 – present |
| American Mathematical Society (AMS)                                 | 2021 – present |
| American Educational Research Association (AERA)                    | 2009 – present |
| Tennessee Mathematics Teachers Association (TMTA)                   | 2013 – present |
| Tennessee Association of Mathematics Teacher Educators (TAMTE)      | 2013 – present |
| Georgia Association of Mathematics Teacher Educators (GAMTE)        | 2010 – 2013    |
| Georgia Council of Teachers of Mathematics (GCTM)                   | 1995 – 2013    |

### Professional Service

|   |                |
|---|----------------|
| Cognition and Instruction Journal Manuscript Reviewer                               | 2021 – present |
| Psychology of Mathematics Education Conference Planning Committee Chair             | 2019 – 2022    |
| Mathematics Teacher Education Partnership (MTEP) Leadership Team                    | 2016 – present |
| Mathematics Teacher Education Partnership (MTEP) MODULE(S <sup>2</sup> ) RAC Leader | 2016 – present |



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| Psychology of Mathematics Education North American Group Steering Committee Member | 2019 - present |
| AMTE Connections Editorial Panel Member  | 2017 – 2020    |
| AMTE Mentoring Committee Member  | 2015 – 2017    |
| NCTM Research Conference Proposal Reviewer   | 2014 – present |
| AMTE Annual Conference Table Discussion Leader                                     | 2013, 2014     |
| MTSU Mathematics Education Reading and Writing Group (eMERGe) Coordinator          | 2013 – 2021    |
| Research Presentation Proposal Reviewer, AMTE Conference Proposals                 | 2010 – present |
| Research Presentation Proposal Reviewer, PME-NA Conference Proposals               | 2012 – present |
| Mathematics Teacher Manuscript Reviewer  | 2013 – present |
| Journal of Mathematics Education Leadership Manuscript Reviewer                    | 2013 – present |
| The Mathematics Teacher Educator Manuscript Reviewer                               | 2015 – present |
| School Science and Mathematics Manuscript Reviewer                                 | 2017 – present |
| <b>Other Campus and Community Leadership and Service</b>                           |                |
| CBAS Scholars Day Judge  | 2019-2022      |
| Director of Office of Professional Learning Experiences Search Committee Member    | 2021           |
| CBAS Research Committee, (Chair 2019-2021)   | 2018 - 2021    |
| MTSU Faculty Research and Creative Activity Committee                              | 2018 - 2020    |
| MTSU Council on Teacher Education Committee Member                                 | 2017 – 2019    |
| Mathematics Department Chair Search Committee Member                               | 2017 – 2019    |
| Mathematics Teacher Education Partnership, MTSU Team Leader                        | 2014 – present |
| Mathematics Education Curriculum Group, Chair                                      | 2015 – present |
| Math and Science Education PhD Advisory Committee Member                           | 2015 – 2019    |
| MTSU Wesley Foundation Board of Directors, Treasurer                               | 2014 – present |
| Mathematical Sciences Program Assessment Committee Member                          | 2017 – 2018    |
| Mathematical Sciences Math Contest Committee, (Co-Chair 2015, 2016)                | 2014 – 2018    |
| Mathematical Sciences General Education Committee Member                           | 2016 – 2017    |
| Mathematical Sciences Undergraduate Program Policy Committee Member                | 2014 – 2016    |
| MTSU Non-Instructional Assignment Committee Member                                 | 2014 – 2015    |
| Mathematics Education Faculty Search Committee Member                              | 2015           |

## Instructional Leadership Experience

| Title   | Organization                                   | Responsibilities   | Dates       |
|---|--|--|-------------|
| Math/Science Partnership Teacher Leader Program Facilitator | Fulton County Schools / Georgia Tech           | Designed and facilitated the program for the Teacher Leader Program, a collaboration between mathematics and science teachers exploring Project Based Learning while developing the participants as leaders in their areas   | 2007 - 2009 |
| Georgia Performance Standards Trainer                       | Fulton County Schools                          | Presented one week of sessions each summer at the Fulton County Summer Mathematics Institute preparing teachers for the transition to Georgia Performance Standards Curriculum. Topics included: Math 1 Training (for teachers preparing to teach Math 1 in the 2008-2009 School Year) and Questioning Practices in a Performance Based Classroom. | 2007 – 2008 |
| Curriculum Writer   | Fulton County Schools                          | Oversaw the writing of the county level ninth grade mathematics curriculum to align with a new statewide mathematics curriculum  | 2006 – 2008 |
| Curriculum Reviewer   | Kennesaw State University                      | Reviewed and piloted classroom activities for Georgia Performance Standards in mathematics along with providing constructive criticism for improving the activities designed by KSU faculty.   | 2006 – 2007 |
| Mathematics Department Chairperson                          | Fulton County Schools / Tri-Cities High School | Managed the administrative tasks for the department including scheduling and setting policy along with developing and leading staff development training for teachers and evaluating teaching practices of mathematics teachers.   | 2005 – 2008 |
| Professional Learning Facilitator                           | Fulton County Schools                          | Courses taught include: Harnessing the Power to Teach (incorporating technology in curriculum), Teacher Support Specialist Certification (training others to become TSS certified), New Teacher Academy, various sessions on incorporating problem solving and critical thinking skills in mathematics classes.                                    | 1999 – 2008 |
| Teacher Mentor  | Fulton County Schools/ Tri-Cities High School  | Mentored teachers new to Tri-Cities High School through both the district mentoring program and through the Georgia TAPP Program. Assisted new teachers in developing lesson plans, designing classroom management strategies, and creating classroom activities.  | 1999 – 2008 |