

Alyson E. Lischka

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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
Assistant Professor	Middle Tennessee State University Department of Mathematical Sciences	2013 - present
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): Roswell High School	2008 – 2009
Mathematics Teacher; Department Chair (2005-2008)	Fulton County Schools (GA): Tri-Cities High School	1995 – 2008
Professional Learning Facilitator	Fulton County Schools (GA)	1999 – 2008
Mathematics Instructor	Michigan State University	1992 – 1995

Publications

Peer Reviewed Publications

- Kastberg, S. E., **Lischka, A. E.**, & Hillman, S. L. (accepted). Exploring mathematics teacher educator questioning as a relational practice: Acknowledging imbalances. *Studying Teacher Education: A Journal of Self-Study of Teacher Education Practices*.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. (in press). Investigating MTE questioning as a relational teaching practice. *In the Proceedings of 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. (in press). Supporting an inquiry stance with double demonstration lessons. *In the Proceedings of 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.** (in press). Analyzing the development of MKT in content courses. *In the Proceedings of the Fortieth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Greenville, SC.

- Barlow, A. T., **Lischka, A. E.**, Willingham, J. C., Hartland, K., & Stephens, D. C. (in press). The relationship of implicit theories to elementary teachers' patterns of engagement in a mathematics-focused professional development setting. *Mid-Western Educational Researcher*.
- Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2018, online). Characterizing mathematics teacher educators' written feedback to prospective teachers. *Journal of Mathematics Teacher Education*. DOI: 10.1007/s10857-018-9414-6
- 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. 75–83). Herstmonceux, UK: S-STEP.
- 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>
- 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.
- Kastberg, S., Tyminski, A., **Lischka, A. E.**, & Sanchez, W. B. (Eds.) (2018). *Building Support For Scholarly Practices In Mathematics Methods*. Charlotte, NC: 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). Charlotte, NC: 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). Charlotte, NC: Information Age Publishing.
- 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>.
- 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.
- 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.

- Lischka, A. E., & Alibegovic, E. (2017). MODULE(S²) 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>
- 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). The Netherlands: Sense Publishers.
- 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.**, 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>
- 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). Herstmonceux, UK: S-STEP.
- 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), 1-19.
- 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). Hershey, PA: IGI Global.
- 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.
- 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 37th 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.
- 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

- 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 35th 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 35th 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 34th 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.
- 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>
- 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 33rd 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.
- Elliott, A.**, & Froelicher, R. (1994). Exploring geometry software. *Factorial*, 25(3), 16-19.

Presentations

Refereed Presentations

- Hillman, S. L., Kastberg, S. E., & **Lischka, A. E.** (2019, February). *Characterizing MTEs' questioning practice: Improving practice through inquiry*. Accepted 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*. Accepted 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*. Accepted Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Lischka, A. E.**, Kastberg, S. E., & Hillman, S. (2018, November). *Investigating MTE questioning as a relational teaching practice*. Accepted 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*. Accepted 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*. Accepted 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 12th 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(S²) 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*. Session 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 11th 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.** (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.
- 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.
- 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
Teaching Math in Grades 9 – 12 (MATH 3330)	Fall 2018, Fall 2017, Fall 2016, Fall 2015, Spring 2015, Fall 2014
Supervision – Residency II (YOED 4400)	Fall 2017, Spring 2016, Fall 2016, Fall 2015, Spring 2014, Fall 2014
Teaching and Learning Mathematics (MATH 7900)	Spring 2017
MSE Seminar (MSE 7820)	Fall 2018, Fall 2017, Fall 2015
College Geometry (MATH 3070)	Spring 2018, Spring 2017, Spring 2016, Spring 2015, Spring 2014
College Algebra (MATH 1710)	Fall 2014
Concepts and Structure of Elementary Mathematics (MATH 1410)	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

- Duncan, M. D. (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

- 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.
- Gerstenschlager, N. G. (2015). Implementing reform-oriented statistics in the middle grades: Teacher support.
- 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.

Research and other Creative Project Participation

Principal Investigator(s)	Project	Responsibilities	Dates
Dr. Jeremy Strayer (PI) Co-PIs: Dr. Alyson Lischka (and others at various institutions)	MODULE(S ²): Collaborative Research: Mathematics of Doing, Understanding, Learning, and Educating for Secondary Schools (NSF IUSE Funded); \$727,437 (MTSU Sub-Award)	Develop and pilot materials for College Geometry; Data collection, analysis for the larger project involving materials for Geometry, Algebra, Statistics, and Modeling; Dissemination of materials and findings	September 2017 – August 2022
Dr. Angela Barlow (Project Director) Dr. Alyson Lischka (MTSU Sub Award PI), 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) 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) 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

Principal Investigator(s)	Project	Responsibilities	Dates
Dr. Alyson Lischka (PI) 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) 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) 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, Dr. Wendy Sanchez, 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
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
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 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	
Mathematics Teacher Education Partnership (MTEP) Planning Committee Member	2016 – present
Mathematics Teacher Education Partnership (MTEP) MODULE(S) ² RAC Leader	2016 – present
AMTE Connections Editorial Panel Member	2017 – present
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 – present
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
Other Campus and Community Leadership and Service	
MTSU Council on Teacher Education Committee Member	2017 – 2019
Mathematics Department Chair Search Committee Member	2017 – present
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 – present
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