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PROFESSIONAL TRAINING

- Ph.D. 2006 Western Michigan University
Mathematics Education
Dissertation: *The Effect of Using a Video-Case Curriculum to Promote Preservice Teachers' Development of a Reflective Stance Towards Mathematics Teaching*
Advisor: Laura R. Van Zoest
- M.A. 1997 Western Michigan University
Mathematics Education
- B.S. 1991 Northern Michigan University
Mathematics, Secondary Education

PROFESSIONAL EXPERIENCES

- 2017-present Professor, Michigan Technological University
- 2014-present Director of Teacher Education, Michigan Technological University
- Undergraduate Program Director
 - Graduate Director
- 2012-2017 Associate Professor, Michigan Technological University
- 2006-2012 Assistant Professor, Michigan Technological University
- 2001-2006 Lecturer and Director of First Year Mathematics, Michigan Technological University
- 2001-2005 MaCH-1 Summer Program Director, Michigan Technological University
- 2006 Research Assistant, Western Michigan University
- 2005 Teaching Assistant, Western Michigan University
- 1992-2001 Mathematics and Physics Teacher, West Iron County High School, Iron River, MI
- 1991-1992 Mathematics and Science Teacher, Forest Park High School, Crystal Falls, MI

GRANTS

- Stockero, S. L. [collaborative project with K. R. Leatham, & B. E. Peterson (BYU), & L. R. Van Zoest (WMU)] (2017-2021). *Collaborative Research: Building on MOSTs: Investigating Productive Use of High-Leverage Student Mathematical Thinking*, National Science

- Foundation (DRL-170566). Total project value: \$3,125,000; MTU project value: \$590,590
- Stockero, S. L., Humes, A. M., & Hungwe, K. N. (2014-15). *Educators' Professional Development Institute Series (EPDIS): Engaging Students in the Standards for Mathematical Practice*. Title IIA Improving Teacher Quality Professional Development Grant Program, Michigan Department of Education, \$135,171.
- Stockero, S. L. [collaborative project with K. R. Leatham, & B. E. Peterson (BYU), & L. R. Van Zoest (WMU)]. (2012-2016). *Collaborative Research: Leveraging MOSTs: Developing a Theory of Productive Use of Student Mathematical Thinking*, National Science Foundation (DRL-1220357). Total project value: \$1,828,814; MTU project value: \$229,902.
- Stockero, S. L. (2011-2016). *CAREER: Noticing and Capitalizing on Important Mathematical Moments in Instruction*. National Science Foundation (DRL-1052958), \$447,400.
- Baltensperger, B., Anderson, C., Stockero, S., Green, S., & Jaszczak, J. (2009-2014). *Michigan Tech Robert Noyce Teacher Scholarship Program*. National Science Foundation (DUE-0934763), \$899,665.
- Stockero, S. L. (2009-2010). *Pivotal moments in beginning mathematics teachers' practice*. Michigan Tech Research Excellence Fund, \$12,674.
- Stockero, S. L. (2007-2008). *Durability and generativity of learning outcomes from preservice experiences with LTLF materials*. Subcontract to National Science Foundation grant awarded to WestEd (ESI-0554186), \$64,153.
- Stockero, S., Baltensperger, B., & Anderson, C. (2007-2009). *Teachers inquiring into practice: Teaching algebra to all*. Title IIA Improving Teacher Quality Professional Development Grant Program, Michigan Department of Education, \$198,285.
- Stockero, S., Baltensperger, B., & Anderson, C. (2006-2008). *Educators' professional development institute series (EPDIS)—Developing algebraic thinking*. Title IIA Improving Teacher Quality Professional Development Grant Program, Michigan Department of Education, \$184,102.
- Anderson, C., Baltensperger, B., & Stockero, S. (2006-2008). *Educators' professional development institute series (EPDIS)—Statistics and probability*. Title IIA Improving Teacher Quality Professional Development Grant Program, Michigan Department of Education, \$184,102.

REFEREED JOURNAL ARTICLES AND BOOK CHAPTERS

- Peterson, B. E., Leatham, K. R., Merrill, L. M., Van Zoest, L. R., & Stockero, S. L. (under review). Imprecision in classroom mathematics discourse.
- Stockero, S. L., Van Zoest, L. R., Freeburn, B., Peterson, B. E., & Leatham, K. R. (under review). Teachers' responses to a common set of instances of student mathematical thinking that vary in their potential to support other students' learning.
- Stockero, S. L., Leatham, K. R., Ochieng, M. A., Van Zoest, L. R., & Peterson, B. E. (under review). Teachers' orientations toward using student mathematical thinking as a resource during whole-class discussion.
- Stockero, S. L. and Rupnow, R. L. (2017). Measuring noticing within complex mathematics classroom interactions. In E. O. Schack, M. H. Fisher, & J. Wilhelm (Eds.), *Teacher Noticing: Bridging and Broadening Perspectives, Contexts, and Frameworks*, (pp. 281-301). New York, NY: Springer.
- Stockero, S. L., Leatham, K. R., Van Zoest, L. R., & Peterson, B. E. (2017). Noticing

- distinctions among and within instances of student mathematical thinking. In E. O. Schack, M. H. Fisher, & J. Wilhelm (Eds.), *Teacher Noticing: Bridging and Broadening Perspectives, Contexts, and Frameworks*, (pp. 467-480). New York, NY: Springer.
- Stockero, S. L., Rupnow, R. L., & Pascoe, A. E. (2017). Learning to notice important student mathematical thinking in complex classroom interactions. *Teaching and Teacher Education*, *63*, 384-395.
- Van Zoest, L. R., Stockero, S. L., Leatham, K. R., Peterson, B. E., Atanga, N. A., & Ochieng, M. A. (2017). Attributes of instances of student mathematical thinking that are worth building on in whole class discussion. *Mathematical Thinking and Learning*, *19*(1), 33-54.
- van Es, E. A., Stockero, S. L., Sherin, M. G., Van Zoest, L. R., & Dyer, E. (2015). Making the most of teacher self-captured video. *Mathematics Teacher Educator* *4*(1), 6-19.
- Leatham, K. R., Peterson, B. E., Stockero, S. L., & Van Zoest, L. R. (2015). Conceptualizing mathematically significant pedagogical opportunities to build on student thinking. *Journal of Research in Mathematics Education*, *46*(1), 88-124.
- Stockero, S. L., Peterson, B. E., Leatham, K. R., & Van Zoest, L. R. (2014). The “MOST” productive student mathematical thinking. *Mathematics Teacher*, *108*(4), 308-312.
- Stockero, S. L. (2014). Transitions in prospective mathematics teachers’ noticing. In J. Lo, K. R. Leatham, & L. R. Van Zoest (Eds.), *Research Trends in Mathematics Teacher Education* (pp. 239-259). New York, NY: Springer.
- Stockero, S. L. & Van Zoest, L. R. (2014). Capitalizing on unanticipated opportunities. *Australian Mathematics Teacher*, *70*(1), 12-17.
- Stockero, S. L. & Van Zoest, L. R. (2013). Characterizing pivotal teaching moments in beginning mathematics teachers’ practice. *Journal of Mathematics Teacher Education*, *16*(2), 125-147.
- Stockero, S. L. & Van Zoest, L. R. (2013). Sense-making and persevering for prospective teachers. *Mathematics in Michigan*, *46*(1), 18-20.
- Van Zoest, L. R. & Stockero, S. L. (2012). Capitalizing on productive norms to support teacher learning. *Mathematics Teacher Educator*, *1*(1), 41-52.
- Van Zoest, L. R., Stockero, S. L., & Taylor, C. E. (2012). The durability of professional and sociomathematical norms intentionally fostered in an early pedagogy course. *Journal of Mathematics Teacher Education*. *15*, 293-315.
- Stockero, S. L. & Van Zoest, L. R. (2011). Making student thinking public. *Mathematics Teacher*. *104*(9), 704-709.
- Van Zoest, L. R., Stockero, S. L., & Kratky, J. L. (2010). Beginning mathematics teachers' purposes for making student thinking public. *Research in Mathematics Education* *12*(1), 37-52.
- Van Zoest, L. R., Stockero, S. L., & Edson, A. J. (2010). Multiple uses of research in a mathematics methods course. In J. Luebeck, & J. W. Lott (Eds.), *AMTE Monograph 7: Mathematics Teaching: Putting Research into Practices at all Levels* (pp. 157-171). San Diego, CA: Association of Mathematics Teacher Educators.
- Stockero, S. L. (2010). Serving rural teachers using synchronous online professional development. In J. Yamamoto, C. Penny, J. Leight, & S. Winterton (Eds.), *Technology Leadership in Education: Integrated Solutions and Experiences* (pp. 111-124). Hershey, PA: IGI Global.
- Van Zoest, L. R. & Stockero, S. L. (2009). Deliberate preparation of prospective mathematics teachers for early field experiences. In D. Mewborn & H. S. Lee (Eds.), *AMTE*

- Monograph VI: Scholarly Practices and Inquiry into the Mathematics Preparation of Teachers* (pp. 153-169). San Diego, CA: Association of Mathematics Teacher Educators.
- Stockero, S. L. (2008). Differences in preservice mathematics teachers' reflective abilities attributable to use of a video case curriculum. *Journal of Technology and Teacher Education*, 16(4), 433-458.
- Van Zoest, L. R. & Stockero, S. L. (2008). Concentric task sequences: A model for advancing instruction based on student thinking. In F. Arbaugh & M. P. Taylor (Eds.), *AMTE Monograph V: Inquiry into Mathematics Teacher Education* (pp. 47-58). San Diego, CA: Association of Mathematics Teacher Educators.
- Stockero, S. L. (2008). Using a video-based curriculum to develop a reflective stance in preservice mathematics teachers. *Journal of Mathematics Teacher Education*, 11, 373-394.
- Van Zoest, L. R. & Stockero, S. L. (2008). Interactions with curriculum: A study of beginning secondary school mathematics teachers. *NCSM Journal of Mathematics Education Leadership, Fall 2008*, 19-28.
- Van Zoest, L. R. & Stockero, S. L. (2008). Using a video-case curriculum to develop preservice teachers' knowledge and skills. In M. S. Smith & S. Friel (Eds.), *AMTE Monograph 4: Cases in Mathematics Teacher Education: Tools for Developing Knowledge Needed for Teaching* (pp. 117-132). San Diego, CA: Association of Mathematics Teacher Educators.
- Van Zoest, L. R. & Stockero, S. L. (2008). Synergistic scaffolds as a means to support preservice teacher learning. *Teaching and Teacher Education*, 24, 2038-2048.
- Van Zoest, L. R., Moore, D. L., & Stockero, S. L. (2006). Transition to teacher educator: A collaborative effort. In K. Lynch-Davis & R. L. Rider (Eds.), *AMTE Monograph 3: The Work of Mathematics Teacher Educators: Continuing the Conversation* (pp. 133-148). San Diego, CA: Association of Mathematics Teacher Educators.

REFEREED CONFERENCE PROCEEDINGS

- Stockero, S. L. & Stenzelbarton, A. D. (in press). An exploration of how aspects of a noticing intervention supported prospective mathematics teacher noticing. *North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Stockero, S. L., Van Zoest, L. R., Peterson, B. E., Leatham, K. R. & Rougée, A. O. T. (in press). Teachers' responses to a common set of high potential instances of student mathematical thinking. *North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Peterson, B. E., Van Zoest, L. R., Rougée, A. O. T., Freeburn, B., Stockero, S. L., & Leatham, K. R. (2017). Beyond the "move": A scheme for coding teachers' responses to student mathematical thinking. In Kaur, B., Ho, W.K., Toh, T.L., & Choy, B.H. (Eds.), *Proceedings of the 41st annual meeting of the International Group for the Psychology of Mathematics Education, Vol. 4* (pp. 17-24). Singapore: PME.
- Pascoe, A. E. & Stockero, S. L. (2017). Learning to notice and use student mathematical thinking in undergraduate mathematics courses. *Research in Undergraduate Mathematics Education (RUME)*. Available at <http://sigmaa.maa.org/rume/crume2017/Schedule/RUME2017ConferenceProgram.pdf>
- Leatham, K. R., Peterson, B. E., Merrill, L., Van Zoest, L. R., & Stockero, S. L. (2016). Imprecision in classroom mathematics discourse. In M. B. Wood, E. E. Turner, M. Civil, & 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. 1236-1243). Tucson, AZ: University of Arizona.
- Van Zoest, L. R., Peterson, B. E., Leatham, K. R., Stockero, S. L. (2016). Conceptualizing the teaching practice of building on student mathematical thinking. In M. B. Wood, E. E. Turner, M. Civil, & 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. 1281-1288). Tucson, AZ: University of Arizona.
- Van Zoest, L. R., Stockero, S. L., Leatham, K. R., & Peterson, B. E. (2016). Theorizing the mathematical point of building on student mathematical thinking. In C. Csikos, A. Rausch, & J. Szitányi (Eds.), *Proceedings of the 40th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 4, pp. 323-330). Szeged, Hungary: PME.
- Stockero, S. L., Rupnow, R. L., & Pascoe, A. E. (2015). Noticing student mathematical thinking in the complexity of classroom instruction. In T. G. Bartell, K. N. Bieda, R. T. Putnam, K. Bradford, & 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. 820-827). East Lansing, MI: Michigan State University.
- Stockero, S. L., Van Zoest, L. R., Rougée, A., Fraser, E. H., Leatham, K. R., & Peterson, B. E. (2015). Uncovering teachers' goals, orientations, and resources related to the practice of using student thinking. In T. G. Bartell, K. N. Bieda, R. T. Putnam, K. Bradford, & 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. 1146-1149). East Lansing, MI: Michigan State University.
- Van Zoest, L. R., Stockero, S. L., Atanga, N. A., Peterson, B. E., Leatham, K. R., & Ochieng, M. A. (2015). Attributes of student mathematical thinking that is worth building on in whole class discussion. In T. G. Bartell, K. N. Bieda, R. T. Putnam, K. Bradford, & 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. 1086-1093). East Lansing, MI: Michigan State University.
- Leatham, K. L., Van Zoest, L. R., Stockero, S. L., & Peterson, B. E. (2014). Teachers' perceptions of productive use of student mathematical thinking. In S. Oesterle, C. Nicol, P. Liljedahl, & D. Allan (Eds.) *Proceedings of the Joint Meeting of PME 38 and PME-NA 36, Vol. 4* (pp. 73-80). Vancouver, Canada: PME.
- Stockero, S. L. & Pascoe, A. E. (2014). Features of mathematically important moments that enhance or impede teacher noticing. In S. Oesterle, C. Nicol, P. Liljedahl, & D. Allan (Eds.) *Proceedings of the Joint Meeting of PME 38 and PME-NA 36, Vol. 6* (p. 235). Vancouver, Canada: PME.
- Pascoe, A. E. & Stockero, S. L. (2014). Persistence of prospective teacher noticing. In S. Oesterle, C. Nicol, P. Liljedahl, & D. Allan (Eds.) *Proceedings of the Joint Meeting of PME 38 and PME-NA 36, Vol. 6* (p. 196). Vancouver, Canada: PME.
- Stockero, S. L. (2013). The effects of framing on mathematics student teacher noticing. 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* (pp. 709-716). Chicago, IL: University of Illinois at Chicago.
- Stockero, S. L. (2013). Student teacher noticing during mathematics instruction. In A. M. Lindmeier & A. Heinze (Eds.), *Proceedings of the 37th conference of the International Group for the Psychology of Mathematics Education* (Vol. 4, pp. 249-256). Kiel, Germany: PME.

- Van Zoest, L. R., Leatham, K. R., Peterson, B. E., & Stockero, S. L. (2013). Conceptualizing mathematically significant pedagogical openings to build on student thinking. In A. M. Lindmeier & A. Heinze (Eds.), *Proceedings of the 37th conference of the International Group for the Psychology of Mathematics Education* (Vol. 4, pp. 345-352). Kiel, Germany: PME.
- Stockero, S. L. & Thomas, E. M. (2012). Transitions in prospective mathematics teachers' noticing. 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*. Kalamazoo, MI: Western Michigan University.
- Stockero, S. L. (2011). Helping student teachers learn to notice: A preliminary report. In L. R. Wiest & T. Lamberg (Eds.). *Proceedings of the 33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, pp. 514-522. Reno, NV: University of Nevada, Reno.
- Leatham, K. R., Stockero, S. L., Peterson, B. E., & Van Zoest, L. R. (2011). Mathematically important pedagogical opportunities. In L. R. Wiest & T. Lamberg. (Eds.). *Proceedings of the 33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, pp. 838-845. Reno, NV: University of Nevada, Reno.
- Stockero, S. L., Van Zoest, L. R., & Taylor, C. E. (2010). Characterizing pivotal teaching moments in beginning mathematics teachers' practice. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, pp. 1403-1410. Columbus, OH: The Ohio State University.
- Leatham, K. R., Stockero, S. L., Van Zoest, L. R., & Peterson, B. E. (2010). Investigating mathematically important pedagogical opportunities. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, pp. 1599-1605. Columbus, OH: The Ohio State University.
- Van Zoest, L. R., Stockero, S. L. & Taylor, C. E. (2010). Professional and sociomathematical norms exhibited by prospective and beginning teachers. In M. F. Pinto & T. F. Kawasaki (Eds). *Proceedings of the 34th Conferences of the International Group for the Psychology of Mathematics Education, Vol. 4*, pp. 265-272. Belo Horizonte, Brazil: PME.
- Van Zoest, L. R., Stockero, S. L. & Taylor, C. E. (2009). Durability of professional and sociomathematical norms fostered in a mathematics methods course. In S. L. Swars, D.W. Stinson, & S. Lemons-Smith (Eds.), *Proceedings of the 31st annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education: Vol. 5* (pp. 1236-1243). Atlanta, GA.
- Stockero, S. L. & Van Zoest, L. R. (2008). Synergistic scaffolding as a means to support preservice mathematics teacher learning. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepulveda (Eds.), *Proceedings of the Joint Meeting of PME32 and PME-NA XXX: Vol. 1* (p. 310). Morelia, México.
- Van Zoest, L. R. & Stockero, S. L. (2008). Durability of preservice teacher learning from using a video curriculum in a methods course. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepulveda (Eds.), *Proceedings of the Joint Meeting of PME32 and PME-NA XXX: Vol. 1* (p. 319). Morelia, México.
- Stockero, S. L. (2008). Differentiating student thinking: Using a video-case curriculum in preservice mathematics teacher education. In D. A. Willis, K. McFerrin, R. Weber, & R.

- Carlsen (Eds.), *Proceedings of the 19th International Conference of the Society for Information Technology & Teacher Education* (pp. 4560-4565). Las Vegas, NV.
- Van Zoest, L. R. & Stockero, S. (2006). The role of curriculum materials in new teachers' practice. In S. Alatorre, J. L. Cortina, M. Sáiz, & A. Méndez (Eds.), *Proceedings of the 28th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education: Vol. 2* (pp. 562-564). Mérida, México.

CONFERENCE PRESENTATIONS—INTERNATIONAL

- Stockero, S. L. & Pascoe, A. E. (2014, July). *Features of mathematically important moment that enhance or impede teacher noticing*. Paper presented at the 2014 Joint Meeting of Psychology of Mathematics Education 38 and Psychology of Mathematics Education-North America XXXVI. Vancouver, BC.
- Leatham, K. L., Van Zoest, L. R., Stockero, S. L., & Peterson, B. E. (2014, July). *Teachers' perceptions of productive use of student mathematical thinking*. Paper presented at the 2014 Joint Meeting of Psychology of Mathematics Education 38 and Psychology of Mathematics Education-North America XXXVI. Vancouver, BC.
- Pascoe, A. E. & Stockero, S. L. (2014, July). *Persistence of prospective teacher noticing*. Paper presented at the 2014 Joint Meeting of Psychology of Mathematics Education 38 and Psychology of Mathematics Education-North America XXXVI. Vancouver, BC.
- Stockero, S. L. (2013, July). *Student teacher noticing during mathematics instruction*. Paper presented at the 37th conference of the International Group for the Psychology of Mathematics Education, Kiel, Germany.
- Van Zoest, L. R., Leatham, K. R., Peterson, B. E., & Stockero, S. L. (2013, July). *Conceptualizing mathematically significant pedagogical openings to build on student thinking*. Paper presented at the 37th conference of the International Group for the Psychology of Mathematics Education, Kiel, Germany.
- Stockero, S. L., Van Zoest, L. R., Leatham, K. R. & Peterson, B. E. (2012, April). *Conceptualizing content-specifically important pedagogical opportunities*. Roundtable session at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, British Columbia, Canada.
- Van Zoest, L. R., Stockero, S. L. & Taylor, C. E. (2010, July). *Professional and sociomathematical norms exhibited by prospective and beginning teachers*. Paper presented at the 34th annual conference of the International Group for the Psychology of Mathematics Education, Belo Horizonte, Brazil.
- Stockero, S. L. & Van Zoest, L. R. (2008, July). *Synergistic scaffolding as a means to support preservice mathematics teacher learning*. Paper presented at the Joint Meeting of Psychology of Mathematics Education 32 and Psychology of Mathematics Education-North America XXX, Morelia, México.
- Van Zoest, L. R. & Stockero, S. L. (2008, July). *Durability of preservice teacher learning from using a video curriculum in a methods course*. Paper presented at the Joint Meeting of Psychology of Mathematics Education 32 and Psychology of Mathematics Education-North America XXX, Morelia, México.
- Van Zoest, L. R. & Stockero, S. L. (2006, November). *The role of curriculum materials in new teachers' practice*. Paper presented at the North American Chapter of the International Group for the Psychology of Mathematics Education, Mérida, México.

CONFERENCE PRESENTATIONS—NATIONAL

- Stockero, S. L., Van Zoest, L. R., Leatham, K. R., & Peterson, B. E. (2017, February). *Barriers to building on student mathematical thinking*. 2017 Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- van Es, E. A., Stockero, S. L., Dyer, E., & Van Zoest, L. R. (2017, February). *Intentional use of video for teacher education*. 2017 Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Van Zoest, L. R., Peterson, B. E., Leatham, K. R., & Stockero, S. L. (2016, November). *Conceptualizing the teaching practice of building on student mathematical thinking*. North American Chapter of the International Group for the Psychology of Mathematics Education. Tucson, AZ.
- Leatham, K. R., Peterson, B. E., Merrill, L. M., Van Zoest, L. R., & Stockero, S. L. (2016, November). *Imprecision in classroom mathematics discourse*. North American Chapter of the International Group for the Psychology of Mathematics Education. Tucson, AZ.
- Van Zoest, L. R., Stockero, S. L., Leatham, K. R., Peterson, B. E., Conner, A. M., Singletary, L. M., Chapin, S., & O'Connor, C. (2016, April). *Conceptualizing teacher discourse moves using different focal lengths*. 2016 National Council of Teachers of Mathematics Research Conference. San Francisco, CA.
- Stockero, S. L., Van Zoest, L. R., & Leatham, K. R. (2016, April). *I've got my students sharing their mathematical thinking—now what?* National Council of Teachers of Mathematics 2016 Annual Conference. San Francisco, CA.
- Peterson, B. E., Van Zoest, L. R., Stockero, S. L., & Leatham, K. L. (2016, January). *Productive use of student mathematical thinking is more than a single move*. Presentation at the 2016 Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Stockero, S. L., Rupnow, R. L., & Pascoe, A. E. (2015, November). *Noticing student mathematical thinking in the complexity of classroom instruction*. Paper presented at the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. East Lansing, MI: Michigan State University.
- Stockero, S. L., Van Zoest, L. R., Rougee, A., Fraser, E. H., Leatham, K. R., & Peterson, B. E. (2015, November). *Uncovering teachers' goals, orientations, and resources related to the practice of using student thinking*. Paper presented at the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. East Lansing, MI: Michigan State University.
- Van Zoest, L. R., Stockero, S. L., Atanga, N. A., Peterson, B. E., Leatham, K. R., & Ochieng, M. A. (2015, November). *Attributes of student mathematical thinking that is worth building on in whole class discussion*. Paper presented at the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. East Lansing, MI: Michigan State University.
- Thomas, J., Jong, C., Schack, E., Fisher, M., Wilhelm, J., & Stockero, S. (2015, November). *Teacher noticing: Measuring a hidden skill of teaching*. Working group given at the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Lansing, MI. November 2015.
- Van Zoest, L. R., Stockero, S. L., Peterson, B. E., Leatham, K. R., Atanga, N., Merrill, L., & Ochieng, M. (2015, April). *Toward a theory of productive use of student mathematical*

- thinking*. Presentation given at the National Council of Teachers of Mathematics Research Conference. Boston, MA.
- Webel, C., DeLeeuw, W., Empson, S., Jacobs, V., Land, T., Leatham, K., Peterson, B., Stockero, S. L., Van Zoest, L., & Conner, K. (2015, February). *Defining and developing teaching practices related to responding to students' mathematical thinking*. Symposium given at the 2015 Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Ochieng, M. A., Leatham, K. R., Stockero, S. L., & Van Zoest, L. R. (2015, February). *Teachers' perceptions of "use" of student mathematical thinking in whole class discussion*. Presentation given at the 2015 Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Stockero, S. L., Bishop, J. P., & Conner, A. E. (2014, August). *Perspectives on mathematics classroom discourse*. Collaborative Panel Session at the National Science Foundation DRK-12 PI Meeting. Washington, D. C.
- Hollebrands, K., Rushford, C., Stockero, S., & Leatham, K. (2014, April). *Analyzing critical moments in high school mathematics classrooms*. Presentation given at the 2014 National Council of Teachers of Mathematics Research Conference. New Orleans, LA.
- Leatham, K. L., Peterson, B. E., Stockero, S. L., & Van Zoest, L. R. (2014, April). *Mathematically significant pedagogical opportunities to build on student thinking*. Presentation given at the 2014 National Council of Teachers of Mathematics Research Conference. New Orleans, LA.
- Dyer, E., Sherin, M., van Es, E. Sun, J., Stockero, S. & Van Zoest, L. (2014, February). *Teacher-captured video: Tools, opportunities and challenges*. Presentation given at the 2014 Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Wieman, R., Philipp, R., Chazan, D., Ellis, M., Sherin, M., Silver, E. & Stockero, S. (2014, February). *Using secondary mathematics video: Strategies and visions*. Presentation given at the 2014 Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Stockero, S. L. (2013, November). *The effects of framing on mathematics student teacher noticing*. Paper presented at the 35th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Chicago, IL: University of Illinois at Chicago.
- Johnson, K. R., Steele, M. D., Herbel-Eisenmann, B. A., Leatham, K. R., Peterson, B. E., Stockero, S. L., Van Zoest, L. R., Almeida, I. & Merrill, L. (2013, November). *Classroom mathematics discourse: Broadening perspectives by integrating tools for analysis*. Working group session presented at the 35th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Chicago, IL: University of Illinois at Chicago.
- Almeida, I., Merrill, L. Van Zoest, L. R., Stockero, S. L., Leatham, K. R., & Peterson, B. E. (2013, November). *A framework for identifying mathematically significant pedagogical openings to build on student thinking*. Poster presented at the 35th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Chicago, IL: University of Illinois at Chicago.
- Santagata, R. & Stockero, S. L. (2013, April). *Learning from teaching in teacher preparation: Findings from two NSF career projects*. Presentation at the Research Pre-session of the 2013 Annual Meeting and Exposition of the National Council of Teachers of Mathematics, Denver, CO.
- Stockero, S. L. & Thomas, E. T. (2013, April). *Student teachers' in-the-moment noticing during mathematics instruction*. Presentation at the Research Pre-session of the 2013 Annual

- Meeting and Exposition of the National Council of Teachers of Mathematics, Denver, CO.
- Stockero, S. L. (2013, January). *Supporting mathematical noticing during an early field experience*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Leatham, K. L., Peterson, B. E., Stockero, S. L. & Van Zoest, L. R. (2013, January). *A framework for recognizing teachable moments in mathematics classrooms*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Stockero, S. L. & Thomas, E. M. (2012, November). *Transitions in prospective mathematics teachers' noticing*. Paper presented at the 34th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Kalamazoo, MI.
- Stockero, S. L. & Van Zoest, L. R. (2012, April). *Characterizing pivotal teaching moments in mathematics instruction*. Presentation given at the Research Pre-session of the 2012 Annual Meeting and Exposition of the National Council of Teachers of Mathematics, Philadelphia, PA.
- Van Zoest, L. R., Stockero, S. L. & Taylor, C. E. (2012, February). Supporting generative teacher learning by cultivating productive sociomathematical norms in mathematics teacher education. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Fort Worth, TX.
- Stockero, S. L. (2011, October). *Helping student teachers learn to notice: A preliminary report*. Paper presented at the 33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV.
- Leatham, K. R., Stockero, S. L., Peterson, B. E., & Van Zoest, L. R. (2011, October). *Mathematically important pedagogical opportunities*. Paper presented at the 33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV.
- Stockero, S. L., Van Zoest, L. R., & Taylor, C. E. (2011, January). *Pivotal teaching moments*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Stockero, S. L., Van Zoest, L. R., & Taylor, C. E. (2010, October). *Characterizing pivotal teaching moments in beginning mathematics teachers' practice*. Paper presented at the 32nd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Leatham, K. R., Peterson, B. E., Stockero, S. L., & Van Zoest, L. R. (2010, October). *Mathematically important pedagogical opportunities*. Working group organized at the 32nd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Van Zoest, L. R., Stockero, S. L., Taylor, C. E. & Strom, D. (2010, April). *Pivotal moments in beginning mathematics teachers' practice*. Poster presented at the National Council of Teachers of Mathematics Research Pre-session. San Diego, CA.
- Van Zoest, L. R., Stockero, S. L., Taylor, C. E., Mumme, J., Elliot, R., & Romagnano, L. (2010, January). *The role of sociomathematical norms in mathematics teacher education*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.

- Stockero, S. L., Van Zoest, L. R., & Kratky, J. L. (2010, January). *Making student thinking public*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Van Zoest, L. R., Stockero, S. L. & Taylor, C. E. (2009, October). *Durability of professional and sociomathematical norms fostered in a mathematics methods course*. Paper presented at the 31st annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Atlanta, GA.
- Stockero, S. L., Van Zoest, L. R., Taylor, C., Mumme, J., Carroll, C., Santagata, R., Linsenmeier, K. A., Sherin, M.G. (2009, April). *Studying and supporting video-based teacher learning*. Symposium conducted at the Research Pre-session of the 2009 Annual Meeting and Exposition of the National Council of Teachers of Mathematics, Washington, D.C.
- Van Zoest, L. R., Stockero, S. L., Simon, M. & McLain, K. (2009, April). *Key pedagogical understandings for teaching mathematics*. Symposium conducted at the Research Pre-session of the 2009 Annual Meeting and Exposition of the National Council of Teachers of Mathematics, Washington, D.C.
- Van Zoest, L. R., Stockero, S. L., Taylor, C. E. & Kratky, J. L. (2009, February). *Durability of learning outcomes from preservice experiences with practice-based video materials*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Stockero, S. L., Evans, B. & McKenna, P. (2009, February). *Synchronous online mathematics professional development*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Orlando, FL.
- Stockero, S. L. (2008, March). *Differentiating student thinking: Using a video-case curriculum in preservice mathematics teacher education*. Paper presented at the 19th International Conference of the Society for Information Technology & Teacher Education, Las Vegas, NV.
- Van Zoest, L. R. & Stockero, S. L. (2008, January). *Considering critical features of tasks that support preservice teachers' development*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Tulsa, OK.
- Stockero, S. (2007, April). *Outcomes of using a video-case curriculum with preservice mathematics teachers*. Poster presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Stockero, S. (2007, January). *Using video to develop a reflective stance in preservice teachers*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.
- Seago, N., Mumme, J. & Stockero, S. (2007, January). *Examining teacher learning from videocases across the teacher education continuum*. Presentation given at the Annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Van Zoest, L. R. & Stockero, S. L. (2006, January). *Using videocases to develop reflective practice*. Presentation given at the Association of Mathematics Teacher Educators Annual Meeting, Tampa, FL.
- Van Zoest, L. R., Moore, D. & Stockero, S. (2005, April). *Intentional teacher education preparation*. Symposium conducted at the Research Pre-session of the 2005 Annual Meeting and Exposition of the National Council of Teachers of Mathematics, Anaheim, CA.

Stockero, S. L. & Balachowski, M. M. (2003, January). *Implementing preparation and development programs for college mathematics instructors*. Poster presented at the American Mathematical Society/Mathematical Association of America Joint Mathematics Meetings, Baltimore, MD.

Balachowski, M. M. & Stockero, S. L. (2002, August). *The impact of first year teaching assistants in a first year classroom*. Presentation given at the Mathematical Association of America Mathfest, Burlington, VT.

INVITED TALKS

Stockero, S. L. *Invited panel of practitioners: Challenges related to improving teaching and learning*. MI-AMTE Conversations Among Colleagues, Michigan State University, March 2017.

Stockero, S. L. *Supporting the Noticing of Student Mathematical Thinking*. Invited Colloquium, Western Michigan University. January 2015.

Stockero, S. L. & Van Zoest, L. R. *Characterizing Pivotal Teaching Moments in Beginning Mathematics Teachers' Practice*. Invited Colloquium, Brigham Young University. August 2010.

OTHER PRESENTATIONS AND PROFESSIONAL DEVELOPMENT

Stockero, S. L. *Making the "MOST" of Student Mathematical Thinking*. Michigan Council of Teachers of Mathematics. July 2016.

Stockero, S. L. *Learning to Implement the Standards for Mathematical Practice: Interactions with other Mathematics Education Constructs*. Conversations Among Colleagues, Western Michigan University. March 2016.

Stockero, S. L. *Supporting Teacher Noticing of Student Mathematical Thinking*. Conversations Among Colleagues, Wayne State University. March 2015.

Mazzoleni, L., & Stockero, S. *Publishing, presenting and developing a professional reputation*. SSEED Scholar/Graduate School Seminar, Michigan Technological University. December 2014.

Mazzoleni, L., Stockero, S., & Oliveira, A. *Publishing, presenting and developing a professional reputation*. SSEED Scholar/Graduate School Seminar, Michigan Technological University. February 2014.

Stockero, S. L. *Common Core Resources for High School Mathematics*. Professional development workshop presented at the Copper Country Intermediate School District professional development day, Houghton, MI. October 2013.

Stockero, S., Van Zoest, L., & Kratky, J. *Why DO I have students present?* Michigan Council of Teachers of Mathematics 60th Annual Conference, Macomb, MI. August 2009.

Stockero, S., Rowe, T., Ritsema, E., & Quaak, D. *Teachers changing practice: Lessons learned*. Michigan Council of Teachers of Mathematics 60th Annual Conference, Macomb, MI. August 2009.

Stockero, S. L. *Fun with Fractions*. Professional development workshop presented at the Copper Country Intermediate School District professional development day, Houghton, MI. October 2008.

Stockero, S. L. & Reed, E. J. *Statistics Standards in Algebra I and II*. Professional development workshop presented at the Copper Country Intermediate School District professional development day, Houghton, MI. October 2007.

CONSULTING ACTIVITIES

- 2008-2012 Consultant and Facilitator, Rethinking Elementary Mathematics Instruction Project. Michigan Department of Education, Mathematics and Science Partnership, directed by the Copper Country Intermediate School District.
- 2008 Consultant, Michigan Mathematics Program Improvement Project (MMPI). Michigan Department of Education, Office of Special Education.
- 2005-2007 Consultant, Learning and Teaching Linear Functions Project. National Science Foundation, directed by WestEd, San Francisco, CA.
- 1999-2000 Consultant, Virtual High School, The Concord Consortium, Concord, MA.

GRADUATE STUDENTS—PRIMARY ADVISOR

- Zachary Blehm, MS, Applied Science Education, in progress. *Changes in Participation and the Development of a Learning Community for English Teachers in a Video Club in Albania.*
- Heather Murphy, MS, Applied Science Education, 2017. *Assessing assessments: A comparative study of three assessments of inquiry skills in tenth grade high school biology students.* (co-advisor)
- Teresa Woods, MS, Mathematical Sciences, 2017. *Analysis of ALEKS Mathematics Placement Test Data.*
- Amanda Stenzelbarton, MS, Mathematical Sciences, 2016. *Understanding the Transition from Secondary Education Mathematics to Undergraduate Mathematics.*
- Anna E. Pascoe, MS, Mathematical Sciences, 2016. *Learning to Notice and Use Student Thinking in Undergraduate Mathematics Courses.*
- Glenda LaBruyere, MS, Applied Science Education, 2015. *Don't Get Testy About it: Can Teaching Critical Thinking Skills Improve ACT Scores?*
- Michael Hammer, MS, Applied Science Education, 2013. *Teaching the Gas Properties and Gas Laws: An Inquiry Unit with Alternative Assessment.*
- Tony Schwaller, MS, Applied Science Education, 2011. *The Effects of White Boarding on Students' Understanding of Physics.*
- Paul Dube, MS, Applied Science Education, 2011. *Attempting to Improve Standardized Test Results using Study Islands' Web-Based Mastery Program*
- John Asiala, MS, Applied Science Education, 2011. *A Comparison of the Effects of Inquiry-Based Cooperative Learning and Demonstrations in Science Education.*
- Deborah Corriveau, MS, Applied Science Education, 2011. *The Effects of Instructional Changes on Student Learning of Electrochemistry in an IB Chemistry Course.*
- Sarah Van Baale, MS, Applied Science Education, 2010. *Teaching and Aligning Upper Level Mathematics Classes to Michigan High School Content Expectations in an Alternative Education Setting: Issue and Approaches.*
- Emily Curry, MS, Applied Science Education, 2010. *Clean Water in the Classroom: Understanding the Importance of Water Quality.*

GRADUATE STUDENTS—COMMITTEE MEMBER

- Catherine Tislar, M.S., Applied Cognitive Sciences and Human Factors, 2017.
- Katrina Ellis, Ph.D., Applied Cognitive Science and Human Factors, 2015.

Saima Ghazal, Ph.D., Applied Cognitive Science and Human Factors, 2014.
Heather Simpson, MS, Applied Science Education, 2014.
Isaac Crouch, MS, Applied Science Education, 2014.
Stacey Frankenstein-Markson, MS, Applied Science Education, 2013.
Annikka Chrestensen, MS, Applied Science Education, 2007.
Amy Muzzarelli, MS, Applied Science Education, 2007.

GRADUATE STUDENTS—SUPERVISION OF RESEARCH INTERNSHIPS

Katelyn Sutton, MOST Teacher Development, 2015
Michael Hammer, Student Teacher Noticing, 2012-2013
Paul Dube, Noticing Student Thinking Pilot Study, 2009-2010
Debra Kingdon, Pivotal Teaching Moments, 2009
Sarah Van Baale, Learning to Notice in an Early Field Experience, 2008

UNDERGRADUATE STUDENTS—SUPERVISION OF RESEARCH INTERNSHIPS

Antonia Garcia, 2013
Raymond Gant, 2012

PROFESSIONAL MEMBERSHIPS

National Council of Teachers of Mathematics
Psychology of Mathematics Education—North American Chapter
International Group of the Psychology of Mathematics Education
Association of Mathematics Teacher Educators
Michigan Council of Teachers of Mathematics
Michigan Science Teachers Association
Michigan Association of Mathematics Teacher Educators

SERVICE TO THE PROFESSION

2016-present Chair-elect, North American Chapter of the Psychology of Mathematics Education Steering Committee
2016-present Emerging Issues Committee, Association of Mathematics Teacher Educators
2015-present TeachingWorks Michigan Program Network Steering Committee
2014-present Michigan Deans and Directors of Public Colleges of Teacher Education
2014-present Upper Peninsula Center for Educational Development (UPCED) Board
2015-2017 Inaugural President, Michigan Association of Mathematics Teacher Educators (MI-AMTE)
2015 Michigan Association of Colleges of Teacher Education (MACTE) Professional Readiness Examination Committee
2014-2015 Conference Organizing Committee, Conversations among Colleagues (Michigan-based conference)
2012-2014 Michigan Higher Education Math Content Expert to advise the Smarter Balanced Consortium (Common Core State Standards)
2012-2013 Conference Program Committee, Association of Mathematics Teacher Educators 2013 Annual Meeting
2011-2012 Local Organizing Committee, Psychology of Mathematics Education North American Chapter 2012 Annual Meeting

- 2011-2012 Conference Program Committee, Association of Mathematics Teacher Educators
2012 Annual Meeting
- 2011, 2012 National Science Foundation Review Panel
- 2009-2010 Editorial Panel, Association of Mathematics Teacher Education Monograph VII:
Mathematics Teaching: Putting Research into Practice at All Levels
- 2006-2009 Michigan Department of Education MEAP Content Advisory Committee

Ad Hoc Reviewer

- Educational Studies in Mathematics
- Teaching and Teacher Education
- Journal of Mathematics Teacher Education
- Journal of Teacher Education
- Mathematics Teacher Educator
- Mathematics Teacher
- Journal for Research in Mathematics Education
- Educational Studies
- NCTM Research Conference
- PME-NA Annual Conference
- AMTE Annual Conference

UNIVERSITY AND DEPARTMENTAL SERVICE

- 2016-present Sabbatical Leave Committee
- 2016-present Applied Science Education Graduate Committee
- 2016-present Marketing and Recruitment Committee (Teacher Education)
- 2015-present CAEP Accreditation Chair
- 2006-present Undergraduate Advisor, Department of Mathematical Sciences
- 2016-2017 New Faculty Research Mentor, Department of Mathematical Sciences
- 2016 Assessment Coordinator Search Committee (Chair)
- 2016 Compensation Strategy Task Force
- 2015-2016 Mathematics Education Assistant Professor Search Committee
- 2015-2016 Promotion and Tenure Committee, College of Sciences and Arts
- 2014-2015 STEM Education Assistant Professor Search Committee (Chair)
- 2014-2015 New Faculty Mentor, Department of Cognitive and Learning Sciences
- 2013-2015 Promotion and Tenure Committee, Department of Cognitive and Learning
Sciences
- 2013-2014 Science Education Assistant Professor Search Committee (Chair)
- 2013 Associate and Assistant Dean of Students Search Committees
- 2012-2013 Undergraduate Committee, Department of Mathematical Sciences
- 2009-2012 University Senate
- 2009-2012 Senate Research Policy Committee
- 2011-2012 New Faculty Research Mentor, Department of Mathematical Sciences
- 2009-2012 Division of Teacher Education TEAC Accreditation Committee
- 2009-2011 Mathematics Education Faculty Search Committee
- 2008-2009 Summer/Online Learning Task Force
- 2008 Compensation Task Force
- 2007-2008 Distance Learning Implementation Committee

COURSES TAUGHT

ED3410 Clinical Experience
ED4700 Fundamentals of Instruction
ED4910 Directed Teaching
ED5740 Designing Education Research
ED5800 Applied Internship for Educators
MA4905 Methods of Teaching Mathematics
ED5665 Developing Algebraic Thinking
ED5566 Teaching Algebra: Mathematical Tasks
ED5660 Professional Development: Teaching Mathematics (multiple topics)
MA5901 Teaching College Mathematics
MA3910 Techniques for Teaching Mathematics
MA3914 College Geometry with Technology
MA0099 Developmental Mathematics
MA1032 Data, Functions and Graphs Plus
MA1160 Calculus with Technology I

PROFESSIONAL AWARDS

2006 Western Michigan University Department of Mathematics Graduate Research
Scholar Award
2002 Mathematical Sciences Department Service Award, Michigan Technological
University
2001 Mathematical Sciences Department Service Award, Michigan Technological
University
1996 Golden Apple Teacher of Distinction, Dickinson-Iron Intermediate School
District