

Micah Stohlmann

Education

- 2012 Ph.D. Mathematics Education, University of Minnesota
Minor: Statistics Education
- 2006 M.Ed. Mathematics Education, University of Minnesota
- 2003 B.A. Secondary Education Mathematics, Concordia University St. Paul
Minor: Lutheran Confessional Heritage

Employment

- 2018-present Associate Professor, Mathematics/STEM education
Department of Teaching and Learning, University of Nevada, Las Vegas
- 2012-2018 Assistant Professor, Mathematics/STEM education
Department of Teaching and Learning, University of Nevada, Las Vegas
- 2009-2012 Graduate Research Assistant, STEM Education Center
Department of Curriculum and Instruction, University of Minnesota
- 2010-2011 SciMath Minnesota Framework Writer: High School Probability and Statistics
- 2009-2010 3M STEM Education Fellow, Oltman Middle School, St. Paul Park, Minnesota
- 2008-2009 Mathematics Teacher, Community of Peace Academy, St. Paul, Minnesota
- 2007-2008 Mathematics Teacher, North St. Paul High School, N. St. Paul, Minnesota
- 2007 Long-term substitute Mathematics Teacher
Concordia Academy, Roseville, Minnesota
- 2003-2005 Mathematics Teacher and Athletic Director
Trinity Lutheran High School, Reseda, California

Awards and Distinctions

- 2022 UNLV Foundation Distinguished Teaching Award
- 2019 UNLV Service learning and leadership certificate for community engagement
- 2017 Nominated Alex G. and Faye Spanos UNLV Distinguished Teaching Award
- 2015 UNLV College of Education Distinguished Teaching Award
- 2013-2014 NSF funded-STaR (Service, Teaching, and Research) Fellow
- 2013 UNLV College of Education Early Career Award
- 2012 Recipient of a Haugo Dissertation Fellowship, STEM Education Center,
University of Minnesota.
- 2010-2011 Recipient of the Haugo Fellowship, STEM Education Center, University of
Minnesota.
- 2009-2010 Recipient of a 3M STEM Education Fellowship

Disciplined Inquiry

Journal Articles

Stohlmann, M. (In press). Categorization of game-based learning in middle school mathematics- a review. *Middle School Journal*.

Stohlmann, M. (2023). Mathematical digital escape rooms. *School Science and Mathematics*, 123(1), 26-30.

Stohlmann, M., & Yang, Y. (2023). Investigating the alignment to mathematical modeling of teacher created mathematical modeling activities available online. *International Journal of Mathematical Education in Science and Technology*, 54(5), 671-686.

Stohlmann, M. (2022). Growth mindset in K-8 STEM education: A review of the literature since 2007. *Journal of Pedagogical Research*, 6(2), 149-163.

Stohlmann, M. (2022). Book review: Growing the research base for mathematical modeling with young learners. Jennifer Suh, Megan Wickstrom, & Lyn English (Eds.) *Exploring mathematical modeling with young learners. Educational Studies in Mathematics*, 109(1), 195-201.

Stohlmann, M. (2021). Two modes of game-based learning for middle school mathematics. *Journal of Mathematics Education at Teachers College*, 12(2), 9-20.

Stohlmann, M. & Yang, Y. (2021). Validation of the teaching mathematical modeling self-efficacy scale (TMMSS). *International Journal for Research in Mathematics Education*, 11(3), 94-111.

Stohlmann, M. (2021). Biomedical engineering: The little engineer that could. *The Elementary STEM Journal*, 26(1), 17-19.

Stohlmann, M., & Kim, Y.R. (2020). Game-based learning: Robotics and escape rooms. *The Australian Mathematics Education Journal*, 2(4), 20-24.

Stohlmann, M. (2020). STEM integration for high school mathematics teachers. *Journal of Research in STEM Education*, 6(1), 52-63.

Stohlmann, M., & Acquah, A. (2020). New directions for technology integration in K-12 mathematics. *The International Journal for Technology in Mathematics Education*, 27(2), 99-112.

Stohlmann, M. (2020). Analyzing K-5th grade integrated STEM curriculum implemented since 2010. *International Journal of Education Humanities and Social Science*, 3(4), 137-166.

Stohlmann, M. (2020). Escape room math: Luna's lines. *Mathematics Teacher: Learning and Teaching PK-12*, 113(5), 383-389.

- Stohlmann, M. (2020). Planning questions to help surface understanding. *Mathematics Teacher: Learning and Teaching PK-12*, 113(4), 327-329.
- Stohlmann, M., Yang, Y., Huang, X., & Olson, T. (2020). Fourth to sixth grade teachers' invented real world problems and pictorial representations for fraction division. *International Electronic Journal of Mathematics Education*, 15(1), 1-16.
- Stohlmann, M. (2019). Integrated steM education through open-ended game based learning. *Journal of Mathematics Education*, 12(1), 16-30.
- Stohlmann, M. (2019). Three modes of stem integration for middle school mathematics teachers. *School Science and Mathematics*, 119(5), 287-296.
- Stohlmann, M. (2018). A vision for future work to focus on the “m” in integrated STEM. *School Science and Mathematics*, 118(7), 310-319.
- Stohlmann, M. (2018). The math is right! *The Australian Mathematics Teacher*, 74(3), 9-14.
- Stohlmann, M., Huang, X., & DeVaul, L. (2018). Middle school students' mindsets before and after open-ended problems. *Journal of Mathematics Education at Teachers College*, 9(2), 27-36.
- Stohlmann, M., Maiorca, C., & Allen, C. (2017). A case study of teachers' development of well-structured mathematical modeling activities. *Mathematics Teacher Education and Development*, 19(2), 4-24.
- Stohlmann, M. (2017). Middle school students first experience with mathematical modeling. *International Journal for Research in Mathematics Education*, 7(1), 56-71.
- Stohlmann, M. (2017). Mathematical modeling with middle school students: The robot art model-eliciting activity. *European Journal of STEM Education*, 2(2), 1-13.
- Stohlmann, M., Maiorca, C., & DeVaul, L. (2017). Elementary teachers' engineering design activities from a state without engineering standards. *Science Educator*, 26(1), 48-59.
- Stohlmann, M. (2017). Desmos battleship. *The Australian Mathematics Teacher*, 73(2), 7-11.
- Stohlmann, M. (2017). Elementary mathematical modeling: Get in the GAIMME. *Banneker Banner Journal*, 30(2), 4-11.
- Stohlmann, M., DeVaul, L., Allen, C., Adkins, A., Ito, T., Lockett, D., & Wong, N. (2016). What is known about secondary grades mathematical modeling-a review. *Journal of Mathematics Research*, 8(5), 12-28.
- Stohlmann, M. & Albarracín, L. (2016). What is known about elementary grades mathematical modelling. *Education Research International*, 2016, 1-9.
- Stohlmann, M. (2016). Mathematical modeling professional development: Why more is needed. *National Council of Supervisors of Mathematics Newsletter*, 47(1), 23-26.

- Stohlmann, M., Maiorca, C., & Olson, T. (2015). Preservice secondary teachers' conceptions from a mathematical modeling activity and connections to the Common Core State Standards. *The Mathematics Educator Journal*, 24(1), 21-43.
- Moore, T., Guzey, S., Roehrig, G., Stohlmann, M., Park, M.S., Kim, Y.R., Callender, H., & Teo, H.J. (2015). Changes in Faculty Members' Instructional Beliefs while Implementing Model-Eliciting Activities. *Journal of Engineering Education*, 104(3), 279-302.
- Stohlmann, M., Cramer, K., Moore, T., & Maiorca, C. (2014). Changing preservice elementary teachers' beliefs about mathematical knowledge. *Mathematics Teacher Education and Development*, 16(2), 4-24.
- Moore, T., Glancy, A., Tank, K., Kersten, J., Smith, K., & Stohlmann, M. (2014). A framework for Quality K-12 Engineering Education: Research and Development. *Journal of Pre-College Engineering Education Research*, 4(1), 1-13.
- Stohlmann, M., Moore, T., & Cramer, K. (2013). Preservice elementary teachers' mathematical content knowledge from an integrated STEM modeling activity. *Journal of Mathematical Modelling and Application*, 1(8), 18-31.
- Stohlmann, M. (2013). Model-Eliciting Activities: Fostering 21st century learners. *Journal of Mathematics Education at Teachers College*, 4(2), 60-65.
- Moore, T., Miller, R., Lesh, D., Stohlmann, M., & Kim, Y.R. (2013). Modeling in engineering: The role of representational fluency in students' conceptual understanding. *Journal of Engineering Education*, 102(1), 1-38.
- Stohlmann, M. (2012). YouTube incorporated with mathematical modeling activities: benefits, concerns, and future research opportunities. *International Journal of Technology in Mathematics Education*, 19(3), 117-124.
- Stohlmann, M., Moore, T., & Roehrig, G. (2012). Considerations for teaching integrated STEM education. *Journal of Pre-College Engineering Education Research*, 2(1), 28-34.
- Stohlmann, M., Moore, T., McClelland, J., & Roehrig, G. (2011). Year-long impressions of a middle school STEM integration program. *Middle School Journal*, 43(1), 32-40.
- Stohlmann, M. & Yang, Y. (In preparation). Growth mindset in high school mathematics.
- Stohlmann, M. (In preparation). Rebel rescuer escape room.

Book Chapters

- Maiorca, C., Stohlmann, M., & Driessen, M. (2019). Getting to the bottom of the truth: STEM shortage or STEM surplus? In A. Sahin & M. Mohr-Schroeder (Eds.). *Myths and Truths: What Has Years of K-12 STEM Education Research Taught Us?* (pp.22-35). Boston, MA: Brill.
- Maiorca, C., & Stohlmann, M. (2016). Inspiring students in integrated STEM education through modeling activities. In C. Hirsch & A.R. McDuffie (Eds.), *Annual Perspectives in*

Mathematics Education 2016: Mathematical Modeling and Modeling Mathematics. (pp.153-161). Reston, VA: NCTM.

Stohlmann, M., Roehrig, G.H., & Moore, T.J. (2014). The need for STEM teacher education development. In S. Green (Ed.), *STEM Education: Training 21st Century Teachers.* (pp.17-32). Hauppauge, NY: Nova Science Publishers.

Moore, T.J., Stohlmann, M., Wang, H.-H., Tank, K.M., Glancy, A., & Roehrig, G.H. (2014). Implementation and integration of engineering in K-12 STEM education. In S. Purzer, J. Strobel, & M. Cardella (Eds.), *Engineering in PreCollege Settings: Research into Practice.* (pp.35-60). West Lafayette, IN: Purdue Press.

Conference Proceedings (*Refereed)

- *Stohlmann, M. (2022). In-service teachers' development of mathematical modeling understanding. *Proceedings of the 20th Annual Hawaii International Conference on Education.* Waikoloa, HI: HICE.
- *Stohlmann, M. (2021). Analyzing K-5th grade integrated STEM curriculum implemented since 2010. In J. Herron (Ed.), *Proceedings of the 120th annual convention of the School Science and Mathematics Association* (Vol. 8). Virtual conference: SSMA.
- *Stohlmann, M. (2020). Integrated STEM education through game-based learning. In A.I. Sacristán, J.C. Cortés-Zavala, & P.M. Ruiz-Arias (Eds.). *Mathematics Education Across Cultures: Proceedings of the 42nd Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA).* (pp. 2238-2242). Mazatlán, Mexico: PME-NA.
- *Stohlmann, M., & Yang, Y. (2020). The alignment of teacher created online curricula to mathematical modeling. In M. J. Mohr-Schroeder & J. Thomas (Eds.), *Proceedings of the 119th annual convention of the School Science and Mathematics Association* (Vol. 7). Minneapolis, MN:SSMA.
- *Stohlmann, M., Huang, X., & DeVaul, L. (2018). The impact of technology based mathematical modeling on middle school students' mindsets. In M. J. Mohr-Schroeder & J. Thomas (Eds.), *Proceedings of the 117th annual convention of the School Science and Mathematics Association* (Vol. 5). Little Rock, AR:SSMA.
- *Stohlmann, M., & Albarracin, L. (2017). The impact and reach of elementary grades mathematical modelling. *Proceedings of the 15th Annual Hawaii International Conference on Education.* Honolulu, HI: HICE.
- *Maiorca, C., & Stohlmann, M. (2017). The impact of an integrated STEM after-school program on elementary students' beliefs about the role of the teacher. *Proceedings of the 15th Annual Hawaii International Conference on Education.* Honolulu, HI: HICE.
- *Stohlmann, M., Maiorca, C., & Allen, C. (2015). A case study of teachers' development of well-structured mathematical modeling activities. *Proceedings of the 13th annual Hawaii International Conference on Education.* Honolulu, HI: HICE.

*Moore, T., Stohlmann, M., Tank, K., Glancy, A., & Kersten, J. (2012). Building a framework to evaluate the inclusion of engineering in state k-12 STEM education academic standards. *Proceedings of the 2012 American Society of Engineering Education Annual Conference and Exposition*. San Antonio, Texas, June 10th -13th, Washington, D.C.: ASEE.

*Stohlmann, M., Moore, T., Kim, Y.R., Park, M.S., & Roehrig, G. (2011). The development of an instructional and assessment tool from student work on a model-eliciting activity. *Proceedings of the 2011 American Society of Engineering Education Annual Conference and Exposition*. Vancouver, British Columbia, June 26th – 29th. Washington, D.C.: ASEE.

Books

Stohlmann, M. (2022). *Bear and Raccoon: There and back*. Seattle, WA: KDP.

Stohlmann, M. (2021). *The adventures of coconut dog*. Seattle, WA: KDP.

Stohlmann, M. (2021). *Rest is best*. Seattle, WA: KDP.

Stohlmann, M. (2021). *I pour you choose*. Seattle, WA: KDP.

Stohlmann, M. (2020). *Bigger or better*. Seattle, WA: KDP.

Stohlmann, M. (2019). *Go knights go!* Seattle, WA: KDP.

Stohlmann, M. (2019). *Escape room: Michael's movie moves*. Seattle, WA: KDP.

Stohlmann, M. (2019). *The natural?* Seattle, WA: KDP.

Stohlmann, M. (2017). *You can do math! I can do math!* Seattle, WA: CreateSpace.

Stohlmann, M. (2016). *The dog interview*. Seattle, WA: CreateSpace.

Stohlmann, M. (2014). *The pluses of pilates*. Seattle, WA: CreateSpace.

Stohlmann, M. (2014). *Only one of you*. Seattle, WA: CreateSpace.

Stohlmann, M. (2013). *Trick or dog treat*. Seattle, WA: CreateSpace.

Stohlmann, M. (2012). *The little engineer that could*. Seattle, WA: CreateSpace.

Stohlmann, M. (2012). *Bears and baseball: Battling the injury bug*. Seattle, WA: CreateSpace.

Stohlmann, M. (2011). *Bears and baseball*. Seattle, WA: CreateSpace.

Grants

Wade-Jaimes, K (P.I.), Deniz, H. (Co-P.I.), & Stohlmann, M. (Co-P.I.), Liu, K. (Co-P.I.) Neda, M. (Co-P.I.), & Yang, M. (Co-P.I.) (2023-2028). *Building STEM Educators for Excellence in Nevada (B-SEEN at UNLV)* National Science Foundation. Noyce. \$1,194,511.

Stohlmann, M. (evaluator/collaborator). (2022-2023). *The Nevada STEM Co-Lab: A collaborative STEM education laboratory that bridges formal and informal education in Nevada communities*. U.S. Department of Education, \$188,353.

Olson, T. (P.I.), Stohlmann, M. (Co-P.I.), & Warren, C. (Co-P.I.). (2017-2018). *Project TIMMS (Transitions In Mathematics for Middle School)-Cohort II*. Funded by Nevada Collaborative Teaching Improvement Program (NeCoTIP) through the U.S. Department of Education, \$271,543.

Olson, T. (P.I.), Stohlmann, M. (Co-P.I.), & Warren, C. (Co-P.I.) (2016-2017). *Project TIMMS (Transitions In Mathematics for Middle School)* Funded by Nevada Collaborative Teaching Improvement Program (NeCoTIP) through the U.S. Department of Education, \$280,999.

Shih, J. (P.I.), Stohlmann, M. (Co-P.I.) & Bellomo-Warren, C. (Co-P.I.) (2016-2017). *Part II: Intuitive thinking in K-3 mathematics*. Nevada Department of Education Mathematics and Science Partnership Program, \$240,404.

Schiemer, K. (P.I.), Shih, J. (P.I.), Bellomo-Warren, C. (Co-P.I.), Olson, T. A. (Co-P.I.), & Stohlmann, M. (Co-P.I.). (2015-2016). *Intuitive thinking in K-3 mathematics*. Nevada Department of Education Mathematics and Science Partnership Program, \$300,000.

Stohlmann, M. (P.I.) & Lum, P. (Co-P.I.) (2014-2015). *The Nevada Partnership for Effective Mathematics and Science Teaching and Learning*. Funded by Nevada Collaborative Teaching Improvement Program (NeCoTIP) through the U.S. Department of Education, \$167,429.

Stohlmann, M. (2014-2015). Dean's policy fellow: educational funding. College of Education, \$7,500.

Stohlmann, M. (P.I.) & Lum, P. (Co-P.I.) (2013-2014). *The Nevada Partnership for Effective Mathematics and Science Teaching and Learning*. Funded by Nevada Collaborative Teaching Improvement Program (NeCoTIP) through the U.S. Department of Education, \$143,901.

Stohlmann, M. (2013). *Dean's Summer Research Grant*. Funded by the College of Education, \$1,449.

Conference Presentations

Stohlmann, M. (2023). *Principles for development of mathematical escape rooms*. The 50th Annual Conference of the Research Council on Mathematics Learning (RCML). Las Vegas, NV: RCML.

Stohlmann, M. (2022). *Escape rooms for middle school mathematics*. The 121st annual convention of the School Science and Mathematics Association. Missoula, MT: SSMA.

Stohlmann, M. (2022). *In-service teachers' development of mathematical modeling understanding*. The 20th Annual Hawaii International Conference on Education. Waikoloa, HI: HICE.

- Stohlmann, M. (2021). Analyzing K-5th grade integrated STEM curriculum implemented since 2010. *The 120th annual convention of the School Science and Mathematics Association*. Virtual conference: SSMA.
- Stohlmann, M. (2021). *Integrated STEM education through game-based learning*. The 42nd Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA). Mazatlán, Mexico: PME-NA
- Stohlmann, M., & Yang, Y. (2020). *The alignment of teacher created online curricula to mathematical modeling*. The 119th annual convention of the School Science and Mathematics Association. Minneapolis, MN:SSMA.
- Stohlmann, M. (2020). *Early career teachers' understanding and implementation of modeling*. The 47th Annual Conference of the Research Council on Mathematics Learning (RCML). Las Vegas, NV: RCML.
- Stohlmann, M. (2019). *In-service teachers' understanding of mathematical modeling*. The 118th annual convention of the School Science and Mathematics Association. Salt Lake City, UT:SSMA.
- Stohlmann, M., Huang, X., & DeVaul, L. (2019). *Middle school students' mindsets before and after open-ended problems*. The 46th Annual Conference of the Research Council on Mathematics Learning (RCML). Charlotte, NC: RCML.
- Stohlmann, M., Huang, X., & DeVaul, L. (2018). *The impact of technology based mathematical modeling on middle school students' mindsets*. The 117th annual convention of the School Science and Mathematics Association. Little Rock, AR:SSMA.
- Stohlmann, M. (2018). *Mathematical modeling: Formative and fun*. National Council of Teachers of Mathematics Annual Conference. Washington D.C.: NCTM.
- Stohlmann, M. (2017). *Just the FACTS: Formative assessment classroom techniques*. National Council of Teachers of Mathematics Annual Conference. San Antonio, TX: NCTM.
- Stohlmann, M. (2017). *The power of formative assessment*. Southern Nevada Math Annual Conference. Las Vegas, NV.
- Stohlmann, M. (2016). *Mathematical modelling professional development: Why more is needed*. Poster presented at the International Congress on Mathematics Education. Hamburg, Germany: ICME.
- Maiorca, C. & Stohlmann, M. (2016). *Integrated STEM and model-eliciting activities: Making math more engaging*. National Council of Teachers of Mathematics Annual Conference. San Francisco, CA: NCTM.
- DeVaul, L., Stohlmann, M., & Adkins, A. (2016). *Using the computerized algebra program ALEKS for intermediate courses*. National Council of Teachers of Mathematics Annual Conference. San Francisco, CA: NCTM.
- Stohlmann, M., DeVaul, L., Allen, C., Adkins, A., Ito, T., Lockett, D., & Wong, N. (2015). *Effectiveness of Mathematical Modeling in Secondary School and Future Research*

- Opportunities*. Paper presented at the International Community of Teachers of Mathematical Modelling and Applications (ICTMA) conference. Nottingham, UK: ICTMA-17.
- Stohlmann, M. & Maiorca, C. (2015). *Mathematical modeling: A model approach to keep students engaged*. National Council of Teachers of Mathematics Annual Conference. Boston, MA: NCTM.
- Stohlmann, M., Maiorca, C., & Olson, T. (2014). *The mathematics of casino/hotel management*. National Council of Teachers of Mathematics Annual Meeting. NCTM: New Orleans: LA.
- Maiorca, C. & Stohlmann, M. (2014). *The how and why of integrated STEM Model-Eliciting Activities*. National Council of Teachers of Mathematics Annual Meeting. NCTM: New Orleans: LA.
- Dietiker, L., Amador, J., Earnest, D., Males, L., & Stohlmann, M. (2014). *Fostering K-12 prospective teachers' curricular noticing*. National Council of Teachers of Mathematics Research Conference. NCTM: New Orleans: LA.
- Stohlmann, M. (2014). *Changing preservice elementary teachers' beliefs about mathematical knowledge*. Poster presented at the Association of Mathematics Teacher Educators (AMTE) annual conference STaR pre-session. Irvine, CA.
- Stohlmann, M. (2013). *Integrated STEM Model-Eliciting Activities: Developing 21st Century Thinkers*. American Association for the Advancement of Science (AAAS) Pacific Regional Conference. Las Vegas, NV.
- Moore, T., Glancy, A., Tank, K., Kersten, J., Stohlmann, M., Ntow, F., & Smith, K. (2013). *A framework for implementing quality K-12 engineering education*. Poster presented at the 2013 American Society of Engineering Education Annual Conference and Exposition. Atlanta, GA: ASEE.
- Stohlmann, M., Cramer, K., Moore, T., & Maiorca, C. (2013). *Changing preservice elementary teachers' beliefs through models of students' thinking about fraction division*. Poster presented at the National Council of Teachers of Mathematics Research Pre-session. Denver, CO.
- Stohlmann, M. & Maiorca, C. (2013). *It's not STEM without the M*. Southern Nevada Math and Science Annual Conference. Las Vegas, NV.
- Moore, T., Tank, K., Glancy, A., Kersten, J., & Stohlmann, M. (2013). *A Framework for Implementing Engineering Standards in K-12*. Paper presented at the 2013 annual meeting of the Association of Science Teacher Educator. ASTE: Charleston, SC.
- Moore, T., Tank, K., Glancy, A., Kersten, J., & Stohlmann, M. (2012). *Inclusion of Engineering in State K-12 STEM Education Academic Standards*. Poster presented at the 2nd annual Colloquium on P-12 STEM Education Research: A national forum. University of Minnesota: Minneapolis, MN.

- Stohlmann, M. (2012). *Bears and Baseball: Developing Statistical and Technological Literacy*. National Council of Teachers of Mathematics Annual Meeting. NCTM: Philadelphia, PA.
- Stohlmann, M. (2012). *Using Children's Books, Tinkerplots, and Baseball to Teach Statistics*. National Council of Teachers of Mathematics Technology User Group Session. Philadelphia, PA.
- Moore, T., Tank, K., Glancy, A., Kersten, J., & Stohlmann, M. (2012). *Inclusion of Engineering in State K-12 STEM Education Academic Standards*. Poster presented at the 2nd annual P-12 Engineering Design Education Research Summit: Washington D.C.
- Stohlmann, M. (2012). *YouTube and Math: Hey it Worked for Justin Bieber*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Stohlmann, M. (2012). *Statistics Gave us Siri*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Stohlmann, M. (2012). *Moneyballing the Minnesota Twins*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Stohlmann, M. (2011). *Bears and baseball: The importance of statistics*. Minnesota Independent School Forum STEM Teacher Seminar. St. Catherine University: St. Paul, MN.
- Stohlmann, M. (2011). *Bears, baseball, and statistics! Oh my!* Minnesota Council of Teachers of Mathematics Fall Conference. MCTM: Maple Grove, MN.
- Stohlmann, M., Guzey, S., Kim, Y.R., Park, M.S., & Moore, T. (2011). *Implementing STEM integration through model-eliciting activities*. Colloquium on P-12 STEM Education Research: A national forum. University of Minnesota: Minneapolis, MN.
- Stohlmann, M. (2011). *Valuing vocabulary, outstanding objectives, and critical closers*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Stohlmann, M. & Moore, T. (2011). *America's next top modelers: How to excite students about STEM*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Wang, H. & Stohlmann, M. (2011). *Exploring the classroom practice and perception of STEM integration*. Minnesota Council of Teachers of Mathematics Spring Conference. MCTM: Duluth, MN.
- Stohlmann, M. & Moore, T. (2011). *America's next top modelers: How to excite students about STEM*. National Council of Teachers of Mathematics Annual Meeting. NCTM: Indianapolis, IN.
- Stohlmann, M. & Moore, T. (2010). *Cooperative learning model-eliciting activities for equitable learning environments*. Minnesota Council of Teachers of Mathematics Fall Conference. MCTM: Maple Grove, MN.

Clarkson, L., Stohlmann, M., & Breit-Goodwin, M. (2010). *Mathematics in urban settings*. Frontiers in Racial Equity Conference: Defining Education Policy and Practice. Minnesota Minority Education Partnership, Minneapolis, Minnesota.

Ward, L. & Stohlmann M. (2009). *Engineering focused model eliciting activities for primary and secondary science and mathematics*. Conference for the Advancement of Science Teaching, Galveston, Texas.

Other Scholarly Presentations

Stohlmann, M. (2010). *STEM Education: new directions, challenges, and importance*. Sigma Pi Seminar: Concordia University. St. Paul, Minnesota.

Stohlmann, M., & Kim, Y. (2010). *Powerful paper airplane problem: A model-eliciting activity for STEM integration*. TIES Technology Integration Seminar: Bringing STEM alive! St. Paul, Minnesota.

Staats, S. & Stohlmann, M. (2010). *Design, test, and redesign with wind turbines*. Post Secondary Teaching and Learning/College in the Schools 1006 Field Day.

Instruction

Course

University of Nevada, Las Vegas

CIG 787 Individual Instruction in Mathematics Education

CIG 621 Diagnostic Assessment in School Mathematics

CIE 627 Technology Applications in K-8 Mathematics Instruction

CIS 628 Technology Applications in 9-12 Mathematics Instruction

CIE 633 Integrated STEM Education Methods

CIE 621 Integrated STEM Education Mathematics Content

EDSC 453/CIS 553S Teaching Secondary Mathematics

CIS 624 Instructional Secondary Mathematics Education

EDMS 453/CIS 553M Teaching Middle School Mathematics

CIE 620 Topics in Elementary Mathematics Education

CIS 620 Topics in Secondary Mathematics Education

CIE 533 Teaching Elementary School Mathematics

CIE 625 Instructional Intermediate Elementary Mathematics Education

CIE 623 Primary Elementary Mathematics Education

Saturday Science, Technology, Engineering, & Math Program(SSTEM)

CIE 620 Mathematical Modelling

EDU 164 Success in Mathematics

University of Minnesota

MTHE 3101 Mathematics and Pedagogy for Elementary Teachers I