

Sean P. Yee, Ph.D.

VITA

University of South Carolina, LeConte College, 317K, Columbia, SC, 29208
803-777-6884, yee@math.sc.edu

CURRENT POSITION

Associate Professor of Mathematics Education at the University of South Carolina, Columbia.

EDUCATIONAL BACKGROUND

2012 Ph.D. in Mathematics Education, Kent State University (Kent, OH)
2012 Licensed Mathematics Teacher in the State of Ohio grades 7-12
2006 Masters in Mathematics Education, Ohio State University (Columbus, OH)
2005 Doctoral Work in Mathematics, University of Notre Dame (Southbend, IN)
2004 Masters of Science in Mathematics, Ohio State University (Columbus, OH)
2001 Bachelor of Science in Mathematics, Ohio State University (Columbus, OH)

PROFESSIONAL EXPERIENCE

2019-2021 Associate Professor Joint Position with Department of Mathematics within the College of Arts and Sciences and the Department of Instruction and Teacher Education within the College of Education at the University of South Carolina
2014-2019 Assistant Professor Joint Position at the University of South Carolina
2012-2014 Assistant Professor in Mathematics Education at California State University, Fullerton
2008-2012 Cleveland State University Part-Time Faculty
2006-2012 Full-Time Mathematics Teacher (Grades 9-12) at Solon High School
2005-2006 Student Teaching in Secondary Schools (Grades 6-12) through the Ohio State University
2002-2006 Lecturer and Instructor for the Ohio State University
1999-2001 Recitation Instructor, Teaching Assistant, and Tutor for the Ohio State University

EXPERTISE

- Research and Teaching with Mathematics Graduate Student Instructor (GSI) Pedagogy, Induction, and Peer-Mentoring
- Teaching Undergraduate and Graduate Mathematics Pedagogy Courses
- Research in Mathematical Metaphorical Conceptualization to Improve Teacher Listening
- Research in Proof and Problem Solving within Collegiate and Secondary Education

TEACHING EXPERIENCE

2016-Present Created, implemented, researched, and taught a mentor professional development (mentor PD) for experienced GSIs to learn how to mentor novice GSIs.
2015-Present Created and taught new graduate student instructor (GSI) 3-day orientation workshop.
2014-Present Doctoral committee member and advisor for three education doctoral students.
2014-Present Developed, created, and taught new Mathematics Pedagogy I & II (MATH 791-792).
2014-Present University of South Carolina, Columbia: Practicum Seminar for Graduate Teaching Assistants, Advanced Doctoral Mathematics and Mathematics Education Research, Mathematics Pedagogy I & II, Elementary Teacher Mathematical Content, Calculus 1, Calculus 2, Vector Calculus, and Differential Equations.
2012-2014 California State University, Fullerton: Capstone Mathematics Course for Secondary School, Mathematics Course for Elementary Teachers, Supervising Student Teachers in the Secondary Classroom, and Teaching Action Research Course for Graduate Students.

- 2008-2012 Cleveland State Post-Secondary Enrollment Options Program (PSEOP): Multivariable Calculus, Differential Equations, and Linear Algebra.
- 2006-2012 Solon High School: Algebra 2, Honors Algebra 2, Geometry, Honors Geometry, Accelerated Pre-Calculus, Accelerated Algebra 2, Honors Algebra 2, and Multivariable Calculus, Differential Equations, and Linear Algebra.
- 2005-2007 Student Teaching through Ohio State University, Grades 6, 8, 9, 10, 11, & 12
- 2002-2006 Ohio State University: Collegiate Algebra, Accelerated Collegiate Algebra, Pre-calculus, Basic Calculus Sequences, Integrated Calculus, Advanced Calculus for Engineers, and Multivariable Calculus.

BIOGRAPHY

Sean Yee joined the Instruction and Teacher Education faculty at the University of South Carolina in August of 2014. At the University of South Carolina he teaches mathematics and mathematics education classes for secondary, undergraduate, and graduate students. He has a joint position between both the Department of Instruction and Teacher Education within the College of Education and the Department of Mathematics within the College of Arts and Sciences. His primary focus is teaching and researching mathematics graduate student instructors pedagogical knowledge through induction, peer-mentoring, and other professional developmental methods.

Prior to coming to UofSC, Yee taught secondary mathematics for six years in Ohio and was an assistant professor of mathematics education at California State University, Fullerton. His current areas of research include college mathematics instructor education, mathematical proof education, discourse theory, linguistics (primarily conceptual metaphor theory as a means to improve teacher listening), secondary methods courses, and mathematical problem solving.

While enjoying chess and volleyball, Sean Yee prefers to spend time with his wife and two sons; they enjoy Argentine tango and tap dancing.

FELLOWSHIPS

- 2018 McCausland Faculty Fellowship, University of South Carolina, College of Arts and Sciences
- 2013 Service, Teaching, and Research (STaR) Early Career Doctoral Fellowship, Association of Mathematics Teacher Educators (AMTE)
- 2012-2013 Fund My Research Fellowship for Grant Writing, California State University, Fullerton

GRANTS

FUNDED

1. **Yee, S.P.**, & Hauk, S. (2020-2021). *Improving the Preparation of College Mathematics Instructors to Implement Student-centered, Inclusive Teaching*. Improving Undergraduate STEM Education (IUSE), National Science Foundation (NSF): Total \$300,000. UofSC Share \$180,000.
2. **Yee, S.P.**, Deshler, J., & Rogers, K.C. (2017-2021). *Mathematics Graduate Student Peer-Mentorship Program: Impact and Adaptability*. Improving Undergraduate STEM Education (IUSE), National Science Foundation (NSF): Total \$600,000. UofSC Share \$180,415.
3. **Yee, S.P.** (2018-2020). *Active-Learning Lesson Plans for First-Time Graduate Student Instructors*. University of South Carolina College of Arts and Sciences Innovative Teaching Associate Grant: Total \$10,000.
4. Dahmen, W., Binev, P., & **Yee, S.P.** (Co-PI 2019-2021) *Spring School Series: Models and Data*. National Science Foundation (NSF). Division of Mathematical Sciences-Computational Mathematics Grant: \$30,000.

5. **Yee, S.P.**, & Rogers, K.C. (2015-2017). *Implementing a Peer-Mentorship Model for Mathematics Graduate Student Instructors*. Improving Undergraduate STEM Education (IUSE), National Science Foundation (NSF): Total \$300,000, USC Share \$130,766.
6. **Yee, S.P.** (2014-2015). *Touchstones for Secondary Mathematics Education Methods Courses*. Southeastern Conference (SEC) Visiting Faculty Travel Grant: \$1318.
7. **Yee, S.P.** (2013-2014). *Improving How Mathematics Teachers Listen Using Conceptual Metaphors*. Junior Faculty Intramural Research Grant, California State University, Fullerton: \$6413.
8. Bonsangue, M., Ellis, M., Yopp-Edwards, R. (2012-2014). *NOYCE Grant for Mathematics Teaching Fellows and Master Teaching Fellows Project (MT2)*. (Senior Personnel) National Science Foundation (NSF): \$2,500,000.
9. Margolius, B., **Yee, S. P.** (2010-2013). *Grant- Researcher and Designer for Online Flash Applets for Collegiate Mathematics Classes*. (Co-PI). National Science Foundation (NSF) Division of Undergraduate Education (DUE). Cleveland State University. \$200,000.
10. Henderson, J., Rose, M., **Yee, S. P.** (2008-2011). Curriculum Leadership Institute (CLI) . (Co-PI). Martha Holden Jennings Grant. <http://www.ehhs.kent.edu/cli/>. \$100,000.
11. **Yee, S. P.** (2008-2012). Graduate Student Conference Presentation Grants (PME-NA, RCML, NCTM, JCT). (PI). Kent State University. \$4000.

GRANTS IN PROGRESS

1. **Yee, S.P.**, Deshler, J., & Rogers, K.C. (PI 2020). *Communities of Practice Leveraging Mentoring for Teaching (ComPLeMeNT): Facilitators and Peer Mentors in Mathematics*. Improving Undergraduate STEM Education (IUSE), National Science Foundation (NSF): Total \$3,000,000. UofSC Share \$229,782. Pending.
2. **Yee, S.P.**, Meade, D., Sanders, R., Bornstein, N. (PI 2020) *Communities of Practice for Reshaping Instructor and Student Equity in Undergraduate Mathematics (ComPRISE Math)*. Improving Undergraduate STEM Education (IUSE), National Science Foundation (NSF): Total \$3,000,000. UofSC Share \$542,825. Pending

PUBLICATIONS

REFEREED JOURNAL ARTICLES

1. **Yee, S.P.**, Deshler, J., Rogers, K. C., Petrulis, R., Potvin, C. D., & Sweeney, J. (2021). Bridging the gap between observation protocols and formative feedback. *Journal of Mathematics Teacher Education*, 1-29.
2. **Yee, S.P.**, Roy, G., Graul, L. (2020). Yee, S. P., Roy, G. J., & Graul, L. (2020). Conditional Reasoning Online with Mastermind. *Mathematics Teacher: Learning and Teaching PK-12*, 113(5), 390-396.
3. Rogers, K.C., Petrulis R.A., **Yee, S.P.**, & Deshler, J. (2019). Mathematics Graduate Student Instructor Observation Protocol (GSIOP): Development and Validation Study. *International Journal of Research in Undergraduate Mathematics Education (IJRUME)*. <https://doi.org/10.1007/s40753-019-00106-4>
4. **Yee, S.P.**, Otten, S., & Taylor, M.W. (2018). What do we value in secondary mathematics teaching methods? *Investigations in Mathematics Learning (IML)*. 10(4), 187-201.
5. **Yee, S.P.**, Boyle, J. D., Ko, Y. Y., & Bleiler-Baxter, S. K. (2018). Effects of constructing and communally critiquing arguments with classroom-generated criteria. *Journal of Mathematical Behavior (JMB)*, 49(2018), 145-162.

6. Yee, S. P. (2017). Students' and teachers' conceptual metaphors for mathematical problem solving. *School Science and Mathematics*, 117(3-4), 146-157.
7. Ko, Y. Y., **Yee, S.P.**, Bleiler-Baxter, S. K., & Boyle, J. D. (2016). Empowering students' proof learning through communal engagement. *Mathematics Teacher*, 109(8), 618-624.
8. Boyle, J.D., Bleiler, S. K., **Yee, S.P.**, & Ko, Y. (2015). Transforming perceptions of proof: A four-part instructional sequence. *Mathematics Teacher Educator (MTE)*, 4(1), 32-38.
9. **Yee, S.P.** & Bostic, J. D. (2014). Developing a students' contextualization of problem solving. *Journal of Mathematical Behavior (JMB)*, 36(2014), 1-19.
10. **Yee, S.P.** (2013). Problem solving concretely with the word like. *Investigations in Mathematics Learning (IML)*, 5(3), 25-43.

REFEREED CONFERENCE ARTICLES

1. **Yee, S.P.**, Deshler, J., Rogers, K.C., Papalia, N., & Lamarche, A. (February, 2020). Interpreting undergraduate student complaints about graduate student instructors through the lens of the instructional practices guide. Proceedings from *23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME)*, pp. 673-681, Boston, MA.
2. Miller, E.R., Rogers, K.C., & **Yee, S.P.** (February, 2020). Analyzing collegiate mathematics observation protocols: Attending to the instructional triangle and inquiry-based mathematics education practices. Proceedings from *23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME)*, pp. 422-430, Boston, MA.
3. Brummer, J., Wakefield, N., & **Yee, S.P.** (February, 2020). Analysis of collaborative curriculum adaptation. Proceedings from *23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME)*, 1242-1244, Boston, MA.
4. Yee, S.P., Deshler, J., & Rogers, K.C. (February, 2019). Connecting observation protocols and post-observation feedback. Proceedings from *46th Annual Research Council on Mathematics Learning (RCML)*, pp. 83-90, Charlotte, NC.
5. Yee, S.P., Deshler, J., Rogers, K.C., Petrulis, R.A., Potvin, C.D., & Sweeney, J. (February, 2019). Bridging the gap: From graduate student instructor observation protocol to actionable post-observation feedback. Presented at the *22nd Annual Conference on Research in Undergraduate Mathematics Education (RUME)*, pp. 705-713, Oklahoma City, OK.
6. Rogers, K.C. & **Yee, S.P.** (2018, February). Peer mentoring mathematics graduate student instructors: discussion topics and concerns. Proceedings from *21st Conference of the Research in Undergraduate Mathematics Education (RUME)*, San Diego, CA.
7. Rogers, K. C. & **Yee, S.P.** (2017, November). Experienced and novice graduate students navigating mathematics instruction together. Proceedings from *39th Conference of the North American Chapter of the Psychology of Mathematics Education (PME-NA)*, p.539, Indianapolis, IN.
8. **Yee, S.P.** & Rogers, K. C. (2017, March). Training graduate student instructors as peer mentors: how were mentors' views of teaching and learning affected? In T. Olson & L. Venenciano (Eds.), Proceedings from *44th Annual Research Council on Mathematics Learning (RCML)*, pp. 33-44, Fort Worth, TX: Research Council on Mathematics Learning (RCML).
9. Monastra, J. C. & **Yee, S.P.** (2017, March). Math is not a race: One student's journey from basic algebra to doctoral classes. In T. Olson & L. Venenciano (Eds.), Proceedings from *44th Annual Research Council on Mathematics Learning (RCML)*, pp. 65-72, Fort Worth, TX: Research Council on Mathematics Learning (RCML).

10. **Yee, S.P.** & Rogers, K. C. (2017, February). Mentor professional development for mathematics graduate student instructors. *Proceedings from 20th Conference of the Research in Undergraduate Mathematics Education (RUME)*, pp. 1026-1034), San Diego, CA.
11. **Yee, S.P.**, Boyle, J. D. Ko, Y. Y., & Bleiler, S. K. (2016, November). Empowering ownership of proof with communal proof-writing criteria. In G. Matney & M. Che. (Eds.), *Proceedings from 38th Conference of the North American Chapter of the Psychology of Mathematics Education (PME-NA)*, pp.652-659), Tucson, AZ.
12. **Yee, S.P.** & Rogers, K. C. (2016, February). Graduate students' pedagogical changes using iterative lesson study. *Proceedings from 19th Conference of the Research in Undergraduate Mathematics Education (RUME)*, pp. 1458-1466), Pittsburgh, PA.
13. Otten, S., **Yee, S.P.**, & Taylor, M. W. (2015, November). Secondary mathematics methods courses: what do we value? *Proceedings from 37th Conference of the North American Chapter of the Psychology of Mathematics Education (PME-NA)*, pp. 772-779), Lansing, MI.
14. **Yee, S.P.**, Boyle, J. D. Ko, Y. Y., & Bleiler, S. K. (2015, February). Empowering ownership of proof with communal proof-writing criteria. In G. Matney & M. Che. (Eds.), *Proceedings from 42nd Annual Research Council on Mathematics Learning (RCML)*, pp. 33-41), Las Vegas, NV: Research Council on Mathematics Learning (RCML).
15. **Yee, S.P.**, Ko, Y., Bleiler, S., & Boyle, J. (2014). Communal assessment of proof: Undergraduates' development of proof-writing criteria. In P. Liljedahl, et al. (Eds.), *Proceedings from the 38th Conference of the International Group for the Psychology of Mathematics Education and the 36th Conference of the North American Chapter of the Psychology of Mathematics Education (Vol 6)*, pp. 415-416). Vancouver, Canada: University of British Columbia, Vancouver.

REFEREED BOOK CHAPTER

1. Rogers, K.C. & **Yee, S.P.** (Accepted in Press). Assessments. College Mathematics Instructor Development Source (CoMInDS).
2. **Yee, S.P.** & Rogers, K.C. (Accepted in Press). Sustained support for teaching assistants. College Mathematics Instructor Development Source (CoMInDS).
3. Bleiler, S., Ko, Y., **Yee, S.P.**, & Boyle, J. (2015). Chapter 9: Communal development and evolution of a course rubric for proof writing. In K. Karp (Ed.), *Annual Perspectives in Mathematics Education (APME): Assessment to Enhance Learning and Teaching (97-108)*. Reston, VA: National Council of Teachers of Mathematics (NCTM).

PRESENTATIONS

INVITED PRESENTATIONS AT PROFESSIONAL MEETINGS

1. Rogers, K.C., **Yee, S.P.**, Deshler, & J. Petrulis R.A., (2020). *Instructors, mentors, and students: A cross-comparison of perceptions of student-centered instruction*. International Congress on Mathematical Education (ICME), Shanghai, China.
2. **Yee, S.P.** (2019). *Operationally learning about active learning*. Student Engagement in Mathematics through an Institutional Network for Active Learning (SEMINAL)
3. **Yee, S.P.** (2018). *Argumentation, justification, and proof*. Panel Speaker for the 40th Conference for the Psychology of Mathematics Education of North America (PME-NA), Greenville, SC.
4. **Yee, S.P.** & Rogers, K. C. (2017, January). *Graduate student instructor mentorship model: A professional development that trains experienced graduate students to pedagogically mentor novice mathematics graduate student instructors*. Presentation at special session on TAs and PartTime Instructors 2017 Joint Math Meetings Conference, Atlanta, GA.
5. **Yee, S.P.** (2016). *Concretizing mathematical problem solving with metaphors*. International Congress on Mathematical Education (ICME), Hamburg, Germany. [Accepted with invitation to present, but had to withdraw due to heart problems]

6. **Yee, S.P.** (2017, October). *Peer-mentorship model for mathematics graduate student instructors*. Presentation at Center for Teaching Excellence at the University of South Carolina.
7. **Yee, S.P.** (2017, April). *Communal classroom criteria of proof...what counts?* Speaker at AP Reading Day presentation at the University of South Carolina.
8. **Yee, S.P.** (2015, February). *Teaching with technology: From tablets to Nintendo Wii Smartboards*. Speaker at Richland One School District Teacher Professional Development.
9. **Yee, S.P.** (2015, January). *Communal criteria to empower proof education*. Colloquium Talk for the College of Education at the University of Missouri. Columbia, Missouri.
http://prezi.com/iibgkrhjudpu/?utm_campaign=share&utm_medium=copy&rc=ex0share
10. **Yee, S.P.** & Bostic, J. D. (2014, October 11). *Developing a contextualization of students' problem solving* [Audio Podcast]. Retrieved from http://mathed.podomatic.com/entry/2014-10-11T21_27_29-07_00.
11. **Yee, S.P.** (2014, December). *Communal criteria to empower proof education*. Colloquium Talk for the Department of Mathematics at Bowling Green State University (BGSU). Bowling Green, Ohio.

CONTRIBUTED PRESENTATIONS

International

1. Rogers, K. C. & **Yee, S.P.** (2017, November). *Experienced and novice graduate students navigating mathematics instruction together*. Proceedings from 39th Conference of the North American Chapter of the Psychology of Mathematics Education (PME-NA, p. 539), Indianapolis, IN.
2. **Yee, S.P.**, Boyle, J. D., Ko, Y. Y., & Bleiler, S. K. (2016, November). *Empowering ownership of proof with communal proof-writing criteria*. In G. Matney & M. Che. (Eds.), Presentation at 38th Conference of the North American Chapter of the Psychology of Mathematics Education (PME-NA, pp.652-659), Tucson, AZ.
3. Otten, S., **Yee, S.P.**, & Taylor, M. W. (2015, November). *Secondary mathematics methods courses: What do we value?* Presentation at 37th Annual Meeting of Psychology of Mathematics Education of North America (PME-NA), Lansing, MI.
4. Ko, Y., **Yee, S.P.**, Boyle, J. D., & Bleiler, S. K. (2015, April). *Shift in arguments: Effect of an instructional sequence*. Presentation at the 31st Annual International Conference of Association of Science Education Taiwan (ASET), Kenting, Taiwan. <http://seerinn.com/aset2015/>.
5. Bleiler, S., Ko, Y., **Yee, S.P.**, & Boyle, J. (2014, July). *Communal assessment of proof: Undergraduates' development of proof-writing criteria*. Presentation at the 38th Conference of the International Group for the Psychology of Mathematics Education (PME) and the 36th Conference of the north American Chapter of the Psychology of Mathematics, Vancouver, Canada.
6. **Yee, S.P.** (2014, June). *Conceptual metaphors as a prescriptive means to improve teacher listening*. Presentation at the 8th Annual International Conference on Mathematics, Statistics & Education, Athens Institute for Educational Research (ATINER), Athens, Greece.
7. **Yee, S.P.** (2013, November). *Meaningful listening through coherent conceptual metaphors*. Presentation at 35th Annual Meeting of Psychology of Mathematics Education of North America (PME-NA), Chicago, IL.

National

1. Rogers, K.C., **Yee, S.P.**, Deshler, J., Bethea, C., Foster, J., Gallagher, K., Southwick, J & Vandermolen, R. (January 2020). *Mathematics graduate student peer-mentorship program: Impact and adaptability in year 3*. Presented at Joint Mathematics Meetings, Denver, CO.
2. **Yee, S.P.**, Deshler, J., Rogers, K.C., Papalia, N., & Lamarche, A. (February, 2020). *Interpreting undergraduate student complaints about graduate student instructors through the lens of the instructional practices guide*. Presented at 23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME), Boston, MA.
3. Miller, E.R., Rogers, K.C., & **Yee, S.P.** (February, 2020). *Analyzing collegiate mathematics observation protocols: Attending to the instructional triangle and inquiry-based mathematics education practices*. Presented at 23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME), Boston, MA.
4. Brummer, J., Wakefield, N., & **Yee, S.P.** (February, 2020). *Analysis of collaborative curriculum adaptation*. Presented at 23rd Annual Conference on Research in Undergraduate Mathematics Education (RUME), Boston, MA.
5. **Yee, S.P.**, Deshler, J., & Rogers, K.C. (2019, February). *Connecting observation protocols and post-observation feedback*. Proceedings from 46th Annual Research Council on Mathematics Learning (RCML, pp. 83-90), Charlotte, NC.
6. **Yee, S.P.**, Deshler, J., Rogers, K.C., Petrusis, R.A., Potvin, C.D., & Sweeney, J. (2019, February). *Bridging the gap: From graduate student instructor observation protocol to actionable post-observation feedback*. Presented at the 22nd Annual Conference on Research in Undergraduate Mathematics Education (RUME, pp. 705-713), Oklahoma City, OK.
7. Rogers, K.C., **Yee, S.P.**, Deshler, J. (2019, January). *Mathematics graduate student peer-mentorship program: Impact and adaptability*. Poster Session at the 102nd Joint Mathematics Meetings, American Mathematical Society (AMS) and Mathematical Association of America (MAA), Baltimore, MD.
8. **Yee, S.P.**, Deshler, J., Rogers, K.C., Petrusis, R.A., Potvin, C.D., & Sweeney, J. (2019, January). *Making Graduate student instructor observation protocols actionable via post-observation feedback*. Presentation at the 102nd Joint Mathematics Meetings, American Mathematical Society (AMS) and Mathematical Association of America (MAA), Baltimore, MD.
9. **Yee, S.P.** (2019, June). *An Operation framework for active learning*. Presentation at Eighth Annual Mathematics Teacher Education Partnership Conference (MTEP), St. Louis, MO.
10. Rogers, K.C. & **Yee, S.P.** (2018, February) *Peer Mentoring Mathematics Graduate Student Instructors: Discussion Topics and Concerns*. Presentation at 21st Conference of the Research in Undergraduate Mathematics Education (RUME), San Diego, CA.
11. Otten, S., **Yee, S.P.** & Taylor, M. W. (2018, February). *Comparing Teachers' and Teacher Educators' Values for Secondary Methods Courses*. Presentation at the 22nd Annual Association of Mathematics Teacher Educators (AMTE) Conference, Houston, TX.
12. Rogers, K. C. & **Yee, S.P.** (2017, June). *Synergizing experienced & novice graduate student instruction via peer mentorship*. Presentation at Transforming Research in Undergraduate STEM Education (TRUSE), St. Paul, MN.
13. **Yee, S.P.** & Rogers, K. C. (2017, March). *Training graduate student instructors as peer mentors: How were mentors' views of teaching and learning affected?* Presentation at 44th Annual Research Council on Mathematics Learning (RCML), Fort Worth, TX.

14. Monastra, J. C. & **Yee, S.P.** (2017, March). *Math is not a race: One student's journey from basic algebra to doctoral classes*. In T. Olson & L. Venenciano (Eds.), Presentation at 44th Annual Research Council on Mathematics Learning (RCML), Fort Worth, TX.
15. **Yee, S.P.** & Rogers, K. C. (2017, February). *Mentor professional development for mathematics graduate student instructors*. Presentation at 20th Conference of the Research in Undergraduate Mathematics Education (RUME, pp. 1026-1034), San Diego, CA.
16. **Yee, S.P.** (2016, April). *Constructing and critiquing arguments: Effect of an instructional sequence*. Presentation at Annual National Council of Teachers of Mathematics (NCTM) Research Session, San Francisco, CA.
17. **Yee, S.P.**, Rogers, K.C., & Sharghi, S. (2016, February). *Graduate students' pedagogical changes using iterative lesson study*. Presentation at 19th Annual Research in Undergraduate Mathematics Education (RUME) Conference, Pittsburgh, PA.
18. **Yee, S.P.**, Safi F., & Dickey, E. (2016, January). *Integrating recursive pedagogical content knowledge with the tower of Hanoi*. Presentation at the 20th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
19. Ko, Y., **Yee, S.P.**, Boyle, J.D., Bleiler-Baxter, S.K. (2016, January). *Supporting teachers' capabilities to engage students in constructing viable arguments and critiquing others' reasoning*. Symposium at the 20th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
20. **Yee, S.P.**, Otten, S., & Taylor, M. W. (2015, June). *Curricular touchstones for secondary methods courses*. Presentation at the 2015 National Conference for the Association of Public Land-grant Universities (APLU) Science and Mathematics Teaching Imperative (SMTI), New Orleans, LA.
21. Boyle, J. D., Bleiler, S. K., Ko, Y., & **Yee, S.P.** (2015, April). *What counts? Developing communal understanding of proof through creating classroom-based criteria*. Presentation at the 2015 Annual Conference of National Council of Teachers of Mathematics (NCTM), Boston, MA.
22. Boyle, J. D., Bleiler, S. K., **Yee, S.P.**, & Ko, Y. (2015, April). *Constructing viable arguments and critiquing the reasoning of others: Where to start?* Presentation at the 47th Annual Conference of National Council of Supervisors of Mathematics (NCSM), Boston, MA.
23. Bostic, J., Conrady, K., Ives, S., & **Yee, S.** (2015, February). *Smoothing the ups and downs: Tools for professional transitions*. Presentation at 42nd Annual Research Council on Mathematics Learning (RCML) Conference, Las Vegas, NV.
24. **Yee, S.P.**, Boyle, J. D., Ko, Y., & Bleiler, S. K. (2015, February). *Empowering ownership of proof with communal proof-writing criteria*. Presentation at 42nd Annual Research Council on Mathematics Learning (RCML) Conference, Las Vegas, NV.
25. **Yee, S.P.** & Taylor, M. W. (2015, February). *Developing touchstones for secondary mathematics methods courses*. Presentation at the 19th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
26. **Yee, S.P.**, Bleiler, S. K., & Boyle, J. D. (2015, February). *Creating classroom-developed criteria for what counts as proof*. Presentation at the 19th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
27. Bleiler, S. K., Boyle, J. D., Ko, Y., & **Yee, S.P.** (2014, June). *Developing communal understanding of proof-writing criteria*. Presentation at the 17th Annual Legacy of R.L. Moore Inquiry-Based Learning Conference (IBL), Denver, CO.
28. **Yee, S.P.** (2014, February). *3-Column proof in algebra courses for preservice teachers*. Presentation at the 18th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Irvine, CA.
29. Bleiler, S. K., Boyle, J. D., Ko, Y., & **Yee, S.P.** (2014, January). *Communal assessment of proof: Undergraduates' development of proof-writing criteria*. Presentation at the 97th Joint

Mathematics Meetings, American Mathematical Society (AMS) and Mathematical Association of America (MAA), Baltimore, MD.

30. **Yee, S.P.** (2013, April). *Conceptual metaphors of problem solving: Listening for experiences*. National Council of Teachers of Mathematics (NCTM) Research Pre-session Denver, CO.
31. **Yee, S.P.** (2013, January). *Improving undergraduate mathematics education using dynamic graphics embedded within Webwork*. American Mathematical Society (AMS) Joint Mathematics Meeting (JMM) Annual Conference, San Diego, CA.
32. **Yee, S.P.** (2013). *Metaphors as a medium for hermeneutic listening for teachers*. Proceedings of 40th Annual Research Council on Mathematics Learning (RCML, pp. 171-187) Conference, Tulsa, OK.
33. **Yee, S.P.** & Bostic, J. (2012). *A developmental perspective into students' contextualization of problem solving*. 34th Annual Meeting of Psychology of Mathematics Education of North America (PME-NA, pp. 190-194), Kalamazoo, MI.

Regional or State

34. Graul, L., Roy, G., & **Yee, S.P.** (2017, November). *Using technology to reason mathematically with the game of Mastermind*. Presentation at the Annual South Carolina Council of Teachers of Mathematics Conference (SCCTM), Greenville, SC.
35. **Yee, S.P.** (2016, November). *Improving teacher listening through student metaphors for problem solving*. Presentation at the Annual South Carolina Council of Teachers of Mathematics Conference (SCCTM), Greenville, SC.
36. **Crooks-Monastra, J. & Yee, S.P.** (2016, November). *Math is not a race: From high school dropout to mathematics doctoral student*. Presentation at the Annual South Carolina Council of Teachers of Mathematics Conference (SCCTM), Greenville, SC.
37. **Yee, S.P.** (2016, February). *Implementing a peer-mentorship model for mathematics graduate student instructors*. Presentation at CoMInDS Grant Research Conference. Duke University, NC.
38. **Yee, S.P.**, Boyle, J. D., Bleiler-Baxter, S. K., & Ko, Y. (2015, November). *Making proof count: Empowering proof education through communal criteria*. Presentation at the 2015 Nashville Regional Conference of National Council of Teachers of Mathematics (NCTM), Nashville, TN.
39. Ko, Y., Boyle, J. D., **Yee, S.P.**, & Bleiler-Baxter, S. K. (2015, November). *Making proof count: Empowering proof education through communal criteria*. Presentation at the 2015 Minneapolis Regional Conference of National Council of Teachers of Mathematics (NCTM), Minneapolis, MN.
40. **Yee, S.P.** (2014, November). *Number line dancing*. Presentation at the 38th Annual South Carolina Council of Teachers of Mathematics Annual Conference (SCCTM), Myrtle Beach, SC.
41. **Yee, S.P.** & LaCassa, M. (2014, October). *Because you're mine, I dance the line*. Presentation at the 54th Annual California Mathematics Council South Annual Conference (CMC-South), Palm Springs, CA.
42. **Yee, S.P.**, Lajevardi, S., & Hernandez, G. (2013, November). *Practice makes research*. Presentation at 54th Annual California Mathematics Conference South (CMC-South), Palm Springs, CA.
43. **Yee, S.P.** (2013, October). *Listening to student experiences through conceptual metaphors for problem solving*. Northwest Mathematics Council (NWMC) Conference, Bellevue, WA.
44. **Yee, S.P.**, Otten, S., & Taylor, M. W. (2015, June). *Curricular touchstones for secondary methods courses*. Presentation at the 2015 National Conference for the Association of Public Land-grant Universities (APLU) Science and Mathematics Teaching Imperative (SMTI), New Orleans, LA.
45. Ko, Y., **Yee, S.P.**, Boyle, J. D., & Bleiler, S. K. (2015, April). *Shift in arguments: Effect of an instructional sequence*. Presentation at the 31st Annual International Conference of Association of Science Education Taiwan (ASET), Kenting, Taiwan. <http://seerinn.com/aset2015/>

46. Boyle, J. D., Bleiler, S. K., Ko, Y., & **Yee, S.P.** (2015, April). *What counts? Developing communal understanding of proof through creating classroom-based criteria*. Presentation at the 2015 Annual Conference of National Council of Teachers of Mathematics (NCTM), Boston, MA.
47. Boyle, J. D., Bleiler, S. K., **Yee, S.P.**, & Ko, Y. (2015, April). *Constructing viable arguments and critiquing the reasoning of others: Where to start?* Presentation at the 47th Annual Conference of National Council of Supervisors of Mathematics (NCSM), Boston, MA.
48. Bostic, J., Conrady, K., Ives, S., & **Yee, S.** (2015, February). *Smoothing the ups and downs: Tools for professional transitions*. Presentation at 42nd Annual Research Council on Mathematics Learning (RCML) Conference, Las Vegas, NV.
49. **Yee, S.P.**, Boyle, J. D., Ko, Y., & Bleiler, S. K. (2015, February). *Empowering ownership of proof with communal proof-writing criteria*. Presentation at 42nd Annual Research Council on Mathematics Learning (RCML) Conference, Las Vegas, NV.
50. **Yee, S.P.** & Taylor, M. W. (2015, February). *Developing touchstones for secondary mathematics methods courses*. Presentation at the 19th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
51. **Yee, S.P.**, Bleiler, S. K., & Boyle, J. D. (2015, February). *Creating classroom-developed criteria for what counts as proof*. Presentation at the 19th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
52. **Yee, S.P.** (2014, November). *Number line dancing*. Presentation at the 38th Annual South Carolina Council of Teachers of Mathematics Annual Conference (SCCTM), Myrtle Beach, SC.
53. **Yee, S.P.** & LaCassa, M. (2014, October). *Because you're mine, I dance the line*. Presentation at the 54th Annual California Mathematics Council South Annual Conference (CMC-South), Palm Springs, CA.
54. Bleiler, S., Ko, Y., **Yee, S.P.**, & Boyle, J. (2014, July). *Communal assessment of proof: Undergraduates' development of proof-writing criteria*. Presentation at the 38th Conference of the International Group for the Psychology of Mathematics Education (PME) and the 36th Conference of the north American Chapter of the Psychology of Mathematics, Vancouver, Canada.
55. Bleiler, S. K., Boyle, J. D., Ko, Y., & **Yee, S.P.** (2014, June). *Developing communal understanding of proof-writing criteria*. Presentation at the 17th Annual Legacy of R.L. Moore Inquiry-Based Learning Conference (IBL), Denver, CO.
56. **Yee, S.P.** (2014, June). *Conceptual metaphors as a prescriptive means to improve teacher listening*. Presentation at the 8th Annual International Conference on Mathematics, Statistics & Education, Athens Institute for Educational Research (ATINER), Athens, Greece.
57. **Yee, S.P.** (2014, February). *3-Column proof in algebra courses for preservice teachers*. Presentation at the 18th Annual Association of Mathematics Teacher Educators (AMTE) Conference, Irvine, CA.
58. Bleiler, S. K., Boyle, J. D., Ko, Y., & **Yee, S.P.** (2014, January). *Communal assessment of proof: Undergraduates' development of proof-writing criteria*. Presentation at the 97th Joint Mathematics Meetings, American Mathematical Society (AMS) and Mathematics Association of America (MAA), Baltimore, MD.
59. **Yee, S.P.** (2013, November). *Meaningful listening through coherent conceptual metaphors*. Presentation at 35th Annual Meeting of Psychology of Mathematics Education of North America (PME-NA), Chicago, IL.
60. **Yee, S.P.**, Lajevardi, S., & Hernandez, G. (2013, November). *Practice makes research*. Presentation at 54th Annual California Mathematics Conference South (CMC-South), Palm Springs, CA.

61. **Yee, S.P.** (2013, October). *Listening to student experiences through conceptual metaphors for problem solving*. Northwest Mathematics Council (NWMC) Conference, Bellevue, WA.
62. **Yee, S.P.** (2013, April). *Conceptual metaphors of problem solving: Listening for experiences*. National Council of Teachers of Mathematics (NCTM) Research Pre-session Denver, CO.
63. **Yee, S.P.** (2013, January). *Improving undergraduate mathematics education using dynamic graphics embedded within Webwork*. American Mathematics Society (AMS) Joint Mathematics Meeting (JMM) Annual Conference, San Diego, CA.
64. **Yee, S.P.** (2013). *Metaphors as a medium for hermeneutic listening for teachers*. Proceedings of 40th Annual Research Council on Mathematics Learning (RCML, pp. 171-187) Conference, Tulsa, OK.
65. **Yee, S.P.** & Bostic, J. (2012). *A developmental perspective into students' contextualization of problem solving*. 34th Annual Meeting of Psychology of Mathematics Education of North America (PME-NA, pp. 190-194), Kalamazoo, MI.

SERVICE

PROFESSIONAL COMMUNITY

- 2018-Present Advisory Board Member for PSUM-GTT Grant
- 2017-Present Nominations/elections committee member for School Science Mathematical Association.
- 2012-Present Manuscript Reviewer for 13 journals (e.g. IML, JMB, JMEL, JMTE, MTL, NCSM, NCTM-MT, NCTM-MTMS, & SSMA)
- 2010-Present Proceedings Reviewer for 16 conferences (e.g. ICME, NCTM Research Session, PME, PME-NA, RCML, & RUME)
- 2010-Present Conference Reviewer for more than 30 conferences (e.g. AERA, PME, PME-NA, RCML, & RUME)
- 2015-Present NSF Grant Reviewer
- 2016-2018 Editorial Board Member for Investigations in Mathematics Learning
- 2015-2017 Conference committee board member for RCML

UNIVERSITY

- 2018 Octoberfest-Teaching Teachers for the Center of Teaching Excellence
- 2016-Present Creating, piloting, and implementing advanced teaching certification for doctoral graduate students; preparing Future Faculty with Distinction in Teaching (PfF with Distinction in Teaching, PfF Teaching Distinction)
- 2015 Asked to present for new university faculty at the beginning of the FALL 2015 semester.

COLLEGE

- 2018 College of Arts and Sciences Gamecock Teaching Days
- 2018 College of Arts and Sciences Innovative Teaching Associate. Service to act as an Ambassador of teaching for the mathematics department.

DEPARTMENT

- 2018-Present Mathematics Department Course Coordinator Committee
- 2015-Present Department of Mathematics: Advising undergraduate students on classes.
- 2015-Present Department of Mathematics: Coordinator for Math 115 (Precalculus) courses.
- 2014-Present Taught Courses for fellow faculty when needed for sick faculty or faculty who were at conferences.
- 2014-Present Department of Mathematics: Aided fellow mathematics professor, Eva Czabarka, in grading graduate students mathematics/mathematics education project.
- 2014-Present Department of Mathematics: Reviewed Mathematics Graduate Students Teaching Philosophies

- 2014-Present Department of Mathematics: Initiated, authored, and published over 100 newsletters labeled "Math Grad TABloid" for Graduate Teaching Assistants (GTAs). Newsletter can be found at <http://seanpyee.wix.com/uscmgt>
- 2014-Present Department of Mathematics: Observed Graduate Teaching Assistants (GTAs), wrote up observations, and discussed observations with GTAs.
- 2014-Present Department of Mathematics: Wrote letters of recommendation (teaching) for graduate and undergraduate students' job applications.
- 2015-2018 Department of Mathematics: Elected to Faculty Senate
- 2017 Presented at the USC Chapter of American Women in Mathematics (AWM) on Masters of Teaching Degree
- 2015 Department of Instruction and Teacher Education: Member of Tenure and Promotion Ad-Hoc Committee
- 2014-2015 Department of Mathematics: FALL 2014 and SPRING 2015: Ran seminar every week for one hour for MATH 115 (Precalculus) Graduate Teaching Assistants (GTAs)
- 2014-2015 Department of Mathematics: Member of Mathematics Education Committee
- 2014-2015 Department of Instruction and Teacher Education: Member of Masters of Education Committee