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Education

- 2012 Doctor of Philosophy, Teaching and Teacher Education, Mathematics, The University of Arizona
- 2006 Master of Science, Mathematics, Texas A&M University
- 2001 Bachelor of Science, Mathematics, University of Houston

Post-Secondary Academic Positions

- 2019 – Present Associate Professor, University of Texas at San Antonio
- 2013 - Present Assistant Professor, University of Texas at San Antonio
- 2012 - 2013 Post-Doctoral Researcher for Assessing Instructional Quality in Mathematics (AIQM) Project, University of Arizona
- 2012 - 2013 Instructor: Mathematics Educator, Intel Mathematics
- 2008 - 2012 Graduate Research Assistant for Assessing Instructional Quality in Mathematics (AIQM) project, University of Arizona
- 2012 Instructor for Graduate Course in Mathematics Education, University of Arizona
- 2010 - 2012 Graduate Research Assistant for TEACH Math Project, University of Arizona
- 2004 - 2009 Mathematics Instructor, Pima Community College
- 2009 Graduate Research Assistant for University of Arizona Rational Numbers Project, University of Arizona
- 2008 - 2009 College Algebra instructor, University of Arizona
Mathematics Curriculum Specialist for Tucson GEAR UP Project,
- 2007 - 2009 University of Arizona
- 2002 Elementary Mathematics Instructor, Wayne Community College

1999 – 2001 Teaching Assistant for Linear Algebra Undergraduate Courses,
University of Houston

P-12 Academic Positions

2007-2008 Math and science teacher, Pantano High School
2005-2007 7th, 8th grade, Algebra, and AVID teacher, Bitburg Middle School
2004-2005 AVID Tutor, Bitburg Middle School
2003-2004 Psychology, Algebra, and Geometry teacher, Amerischools College
Preparatory Academy
2002-2003 Calculus and Geometry teacher, Amory High School
2001-2001 7th Grade mathematics teacher, Norwayne Middle School

Awards and Honors

2017 University of Texas at San Antonio, University Excellence in Teaching,
Awardee, Nominee
2016 Lynton Award for Community-Based Research, Nominee
2016, 2017 University of Texas Regent's Outstanding Teaching Award, University of
Texas at San Antonio, Nominee
2014 Service, Teaching, and Research (STaR) in Mathematics Education
Fellow, Sponsored by Association of Mathematics Teacher Educators
(AMTE) [only 30 mathematics teacher educators selected per year in the
United States]
2012 University of Arizona College of Education Convocation Speaker
2011 Erasmus Circle Scholar, University of Arizona College of Education
2002 Amory High School STAR Teacher of the Year Award, Mississippi
Economic Council (*The STAR student is a high school senior who earned
the highest ACT test score in the school and is asked to select one teacher
for this honor. The STAR teacher is identified to be the most influential in
the student's academic career*).

RESEARCH

Research Theme 1: What are the mathematical resources that students know and use in mathematics education and how can teachers promote these resources in their practice?

Research Theme 2: How can teachers use democratic, equity-oriented mathematics teaching practices like the Rights of the Learner and Complex Instruction to support students' mathematical learning?

Research Theme 3: What can mathematics teacher educators learn by engaging in introspective self-studies of their own practice with respect to their racial identities?

PEER-REVIEWED CONTRIBUTIONS

JOURNAL ARTICLE ACCEPTED/PUBLISHED

Jessup, N., Wolfe, J., Udiani, O., & **Kalinec-Craig, C.A.** (in press). Learning and Teaching Mathematics While in a Pandemic. *Mathematics Teacher: Learning and Teaching*. [Research Theme 1, 2, 3]

Crespo, S., Bowen, D., Buli, T., Bannister, N., & **Kalinec-Craig, C.** (in press). Supporting Prospective Teachers to Notice and Name Student Language Resources as Mathematical Strengths. Manuscript submitted as part of a Special Issue for ZDM.

Kalinec-Craig, C. A., Diamond, J., & Shih, J. (2020). A Video Clip Playlist as a Metaphor for Engaging in a Self-Study of Mathematics Educator Practices. Manuscript submitted to *Studying Teacher Education*. [Research Theme 1]

Shah, N., Cosby, M. D., Goffney, I. M., **Kalinec-Craig, C.**, Wood, M. B., Hand, V., & Crespo, S. (in press). “Bossy,” “boy,” and “urban”: Troubling coded language in mathematics education research. *Journal of Research in Mathematics Education, Special Monograph*. [Research Theme 3]

Kalinec-Craig, C., Bannister, N.A., Bowen, D.K., Jacques, L.A., & Crespo, S.O. (2020). “It was smart when:” Supporting prospective teachers’ noticing of students’ mathematical strengths. *Journal of Mathematics Teacher Education*, 1-24. [Research Theme 2]

Kalinec-Craig, C.A. & Robles, R. A. (2020). When the classroom rules are reimagined as Rights of the Learner. *Mathematics Teacher: Learning and Teaching Pre-K–12*. [Research Theme 1, 2]

Kalinec-Craig, C. A. (2019). Using Video Clips to Identify and Promote Children’s Rights as Mathematics Learners. *Colorado Mathematics Teacher* [Research Theme 1, 2]

Kalinec-Craig, C. A., Prasad, P.V., Vallines Mira, R., & Walls, C. (2019). Unpacking the algorithm: Rethinking elementary pre-service teachers’ strategies for solving multi-digit addition problems. *Issues in the Undergraduate Mathematics Preparation of School Teachers: The Journal* [Research Theme 1]

Kalinec-Craig, C. A., Prasad, P. V., & Luna, C. (2019). Geometric transformations and Talavera tiles: A culturally responsive approach to teacher professional development and mathematics teaching. *Journal of Mathematics and the Arts*. [Research Theme 1, 2]
Acceptance Rate: Special Issue

Diamond, J., **Kalinec-Craig, C. A.**, & Shih, J. (2018). The problem of Sunny’s pennies: A multi-institutional study about elementary preservice teachers’ knowledge of content and students. *Mathematics Teacher Education and Development*. 20 (2), 114-132. [Research Theme 1]

Bannister, N., **Kalinec-Craig, C.**, Bowen, D. & Crespo, S. (2018). Learning to Notice and Name Students’ Mathematical Strengths: A Digital Experience. *Journal of Technology and Teacher Education*, 26(1), 13-31. Waynesville, NC USA: Society for Information Technology

& Teacher Education. Retrieved May 1, 2018 from <https://www.learntechlib.org/primary/p/181150/>. [Research Theme 1, 2]

Kalinec-Craig, C.A. (2017). The Rights of the Learner: A sociocultural framework for promoting equity through formative assessment in mathematics classrooms. *Democracy and Education Journal*. 25(2), Article 5.

URL: <https://democracyeducationjournal.org/home/vol25/iss2/5>
[Research Theme 1, 2, 3].

Kalinec-Craig, C.A. (2017). #OscarsSoWhite and Not So Right. *Mathematics Teaching in the Middle School*. 23(1), 64.

URL: http://www.jstor.org/stable/10.5951/mathteacmiddscho.23.1.0064?seq=1#page_scan_tab_contents
[Research Theme 1]

Kalinec-Craig, C. A. (2015). Uncovering the complexities and opportunities for teaching equivalent fractions through mariachi music. *Journal of Mathematics Education*. 8(2), 4-21.

URL: http://educationforatoz.com/images/2015_Crystal_Kalinec-Craig.pdf
[Research Theme 1]

Kersting, N., Sutton, T., **Kalinec-Craig, C. A.**, Stoehr, K., Heshmati, S., Lozano, G., & Stigler, J. (2015). Usable knowledge for teaching mathematics: Further exploration of the Classroom Video Analysis (CVA) Instrument. *ZDM: International Journal of Mathematics Education*. 48(1-2), 97-109. Springer: Berlin Heidelberg.

URL: https://link.springer.com/article/10.1007/s11858-015-0733-0?wt_mc=internal.event.1.SEM.ArticleAuthorOnlineFirst
[Research Theme 1]

Kalinec-Craig, C. A. (2014). Examining my window and mirror: A pedagogical reflection from a white mathematics teacher educator about her experiences with immigrant Latina pre-service teachers. *Association of Mexican American Educators Journal*, 8(2), 45-54.

URL: <http://amaejournal.utsa.edu/index.php/amae/article/view/196>
[Research Theme 1, 2, 3]

Aguirre, J. M., Turner, E. E., Bartell, T. G., **Kalinec-Craig, C.A.**, Foote, M. Q., McDuffie, A. R., & Drake, C. (2013). Making connections in practice: How prospective elementary teachers connect to children's mathematical thinking and community funds of knowledge in mathematics instruction. *Journal of Teacher Education*, 64 (2), 178-192.

URL: <http://jte.sagepub.com/content/early/2012/12/05/0022487112466900>
[Research Theme 1]

Good, T., Wood, M., Sabers, D., Olson, A., Lavigne, A., Sun, H., & **Kalinec-Craig, C. A.** (2013). Strengthening grade 3-5 students' foundational knowledge of rational numbers. *Teachers College Record*, 115(7), 1-45.

URL: <https://www.tcrecord.org/library/abstract.asp?contentid=17021>
[Research Theme 1]

Wood, M. B., & **Kalinec, C. A.** (2012). Student talk and opportunities for mathematical learning in small group interactions. *International Journal of Educational Research*, 51, 109-127. URL: <http://www.sciencedirect.com/science/article/pii/S0883035511001273>
[Research Theme 1 2]

JOURNAL ARTICLE, UNDER REVIEW OR UNDER REVISION

Kalinec-Craig, C.A., Bonner, E., & Kelley, T. (Under review). "Support and Enrichment Experiences in Mathematics (SEE Math): Using Case Studies to Improve Mathematics Teacher Education." Submitted to *Mathematics Teacher: Learning and Teaching*. [Research Theme 1, 2]

Kalinec-Craig, C. A., Quander Reed, J., & Goffney, I. M. (2018, Under Review). When equity goes wrong: Narrative self-study analysis of mathematics teacher educators implementing equity-based teaching practices. Manuscript submitted as part of a Special Issue for *Urban Education*. [Research Theme 1, 3]. Special issue with guest editors Drs. Deborah Ball and Gloria Ladson-Billings.

JOURNAL ARTICLE, TO BE SUBMITTED

Berry, T.R., & **Kalinec-Craig, C. A.** (2018, Revising to Resubmit). "But I did everything I was supposed to do." Pre-Service teachers, social justice, and respectability politics. [Research Theme 2, 3]

BOOK CHAPTERS AND BOOKS, ACCEPTED/PUBLISHED

Kalinec-Craig, C. A., Prasad, P. V., Vallines Mira, R. (2020). Supporting Elementary Mathematics Teacher Candidates' Use of Divergent Formative Assessment, In: C. Martin, D. Polly, & R. Lambert (Eds.), *Handbook of Research on Formative Assessment in Pre-K Through Elementary Classrooms*. Hershey, PA: IGI Global.

Berry, T. R., **Kalinec-Craig, C. A.**, & Rodriguez, M. (2019). *Latinx Curriculum Theorizing*. Lanham, MD: Lexington Books Race and Education in the 21st Century series. [Research Theme 1, 2, 3]

Kalinec-Craig, C. A., Chao, T., Maldonado, L., & Celedón-Pattichis, S. (2019). Reflecting back to move forward: Using the mathematics autobiography to open humanizing learning spaces for prospective mathematics teachers. In T. G. Bartell, C. Drake, A. Roth McDuffie, J. M. Aguirre, E. E. Turner, & M. Q. Foote (Eds.), *Transforming Mathematics Teacher Education: An Equity-Based Approach*. Switzerland: Springer. [Research Theme 1, 3]

Chao, T., Maldonado, L., **Kalinec-Craig, C. A.**, & Celedón-Pattichis, S. (2019). Getting Ready: Activities for Preparing Prospective Elementary Mathematics Teachers to Critically Engage with the TEACH MATH Modules. In T. G. Bartell, C. Drake, A. Roth McDuffie, J.

M. Aguirre, E. E. Turner, & M. Q. Foote (Eds.), *Transforming Mathematics Teacher Education: An Equity-Based Approach*. Switzerland: Springer. [Research Theme 1, 3]

Kalinec-Craig, C. A., & Zavala, M. (2019). Crafting entry points for learning about children's funds of knowledge: Scaffolding the community math exploration module for pre-service teachers. In T. G. Bartell, C. Drake, A. Roth McDuffie, J. M. Aguirre, E. E. Turner, & M. Q. Foote (Eds.), *Transforming Mathematics Teacher Education: An Equity-Based Approach*. Switzerland: Springer. [Research Theme 1, 3]

Kalinec-Craig, C. A. (2017) "Everything matters:" Mexican-American prospective elementary teachers noticing issues of status and participation while learning to teach mathematics. In E. Schack, M. Fisher, & J. Wilhelm (Eds.), *Teacher Noticing: A Hidden Skill of Teaching*. Monograph Springer Series of Research in Mathematics Education, (pp. 215-229). Cham, Switzerland: Springer International Publishing.

Kalinec-Craig, C. A. (2016). Preparing new teachers (and ourselves) to "hear mathematical competence." In D. White, S. Crespo & M. Civil (Eds), *Cases for Teacher Educators: Facilitating Conversations about Inequities in Mathematics Classrooms*, (pp. 177-182). AMTE Professional Book Series, Charlotte, NC: Information Age Publishing.
[Research Theme 1, 2, 3]
Invited Chapter

Kalinec-Craig, C. A., & Bonner, E. (2015). Seeing the world with a new set of eyes: (Re)examining our identities as white mathematics education researchers of equity and social justice. In N. Russell, C. Haynes, & F. Cobb (Eds.) *Interrogating Whiteness and Relinquishing Power: White Faculty's Commitment to Racial Consciousness in STEM Classrooms* (pp. 92-111). New York, NY: Peter Lang.
[Research Theme 1, 2, 3]
URL: https://link.springer.com/chapter/10.1007/978-3-319-46753-5_13
[Research Theme 1, 2]

CONFERENCE PROCEEDING, PUBLISHED

Kalinec-Craig, C. A. (2015). Elementary teachers' perspectives about the tensions of teaching mathematics through art and music. In T. G. Bartell, K. N. Bieda, R.T. Putnam, K. Bradfield, & H. Dominguez (Eds.), *Proceedings of the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 908-911). East Lansing, MI: Michigan State University.
URL: <http://www.pmena.org/pmenaproceedings/PMENA%2037%202015%20Proceedings.pdf>
[Research Theme 1]

INVITED PRESENTATIONS

Kalinec-Craig, C.A. (2018). Reimagining Classroom Rules and Rights of the Learner. Keynote for Sam Houston State Conference. [Research Theme 1, 2].

Kalinec-Craig, C.A. (2018). Using Videoclips to Emphasize Children's Rights of the Learner

in Elementary Mathematics Methods Courses. Mathematics Education Student Association at the University of Georgia. [Research Theme 1, 2].

Kalinec-Craig, C. A. (2018). "Measuring Rice and Making Fractions!" UTSA SEE Math and Institute for P-20 Initiatives Parent Meeting. [Research Theme 1, 2].

Kalinec-Craig, C. A. (2018). "The Rights of the Learner: Reimagining Equity and Rehumanizing Mathematics Classrooms." UTSA Department of Mathematics, Mathematics Education Research Seminar. [Research Theme 1, 2]

Kalinec-Craig, C. A. (2017). "The Rights of the Learner: and problem-solving tasks." Teacher Quality Grant Professional Development Workshop Presentation. [Research Theme 1, 2]

Kalinec-Craig, C. A. (2017) Meet the Author of "Uncovering the complexities and opportunities for teaching equivalent fractions through mariachi music." National Council of Teachers of Mathematics Innov8 Conference, Las Vegas, NV [Research Theme 1, 2].

Civil, M., & **Kalinec-Craig, C. A.** (2017). "A conversation about mathematics with Latin@ Parents." National Council of Teachers of Mathematics, San Antonio, TX [Research Theme 1]

Kalinec-Craig, C. A. (2016). Conversation about "Examining my window and mirror: A pedagogical reflection from a white mathematics teacher educator about her experiences with immigrant Latina pre-service teachers." Mathematics Education Seminar, Virtual Meeting at the University of Virginia. [Research Theme 1, 2, 3].

Kalinec-Craig, C. A. (2016). "Full Steam Ahead: Preparing Teachers to Integrate STEM and The Arts." Texas Public Radio Think Science! Program, San Antonio TX. [Research Theme 1, 2].

Kalinec-Craig, C. A. (2014) "Math Through Mariachi and Teaching Mathematics." Presentation for Teach for America Teachers at Guadalupe Cultural Art Center, San Antonio, TX. [Research Theme 1, 2].

Kalinec-Craig, C. A. (2014). "Math Through Mariachi: Teaching Patterns and Algebraic Thinking to Young Children." 4th Annual UTSA Early Childhood Institute Teaching with the Spirit in Mind: Learning through the Arts, San Antonio, TX. [Research Theme 1]

PEER REVIEWED PRESENTATIONS (Presented, Accepted, and Under Review)

Bonner, E.P., **Kalinec-Craig, C. A.**, & Hinojosa, D. M. (2020). Community Math Project: Partnering universities, prospective teachers, and community centers to facilitate mathematics tutoring for parents. Paper presented at the Association of Mathematics Teacher Educators, Phoenix, AZ. [Research Theme 1, 2]

Louie, N., Zavala, M., Dunleavy, T., **Kalinec-Craig, C. A.**, & Bannister N. (2020). A Critical Perspective on Equity Pedagogies and Race in Mathematics Education. Discussion at the Association of Mathematics Teacher Educators, Phoenix, AZ. [Research Theme 1, 2, 3]

Prasad, P. V. & **Kalinec-Craig, C. A.** (2019). An Exploratory Case Study of Positioning and Whiteness in a Secondary Mathematics Teacher Professional Development. Paper presented at Psychology and Mathematics Education North American Chapter, St. Louis, MO. [Research Theme 1, 2]

Kalinec-Craig, C. A., Diamond, J. M. & Shih, J. S. (2019). Designing a Video-Clip Playlist for Mathematics Methods Courses. Supporting PTs Learning to Draw on Students' Mathematical Strengths. Paper presented at Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1, 2]

Bonner, E., Kelley, T., & **Kalinec-Craig, C. A.** (2019). Pre-service Teachers Communicating Children's Mathematical Strengths in the Form of Family Newsletters. **Paper presented at** Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1, 2]

Bannister, N., **Kalinec-Craig, C. A.**, & Bowen, D. (2019). Supporting PTs Learning to Draw on Students' Mathematical Strengths. Paper presented at Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1, 2]

Goffney, I. & **Kalinec-Craig, C. A.** (2019). Advocacy and Action for Equitable Mathematics Teaching Practices in Teacher Education. For the Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1, 2]

Simic-Muller, K. & **Kalinec-Craig, C. A.** (2018). Toward an anti-racist mathematics classroom. Discussion session to be held at TODOS: Mathematics for All Conference, Phoenix, AZ. [Research Theme 1, 2, 3]

Kalinec-Craig, C. A., Khalil, D., Goffney, I. M., McGraw, R., & Sorto, A. (2018). Advocacy and Action in Mathematics Teacher Education. Discussion session held at Annual Conference for National Council of Teachers of Mathematics, Washington, D.C. [Research Theme 1, 2]

Kalinec-Craig, C. A. Stoehr, K. J., & Turner, E. (2018). Prospective Teachers Incorporating Children's Home and Community Knowledge. Paper presented at Annual Conference for National Council of Teachers of Mathematics, Washington, D.C. [Research Theme 1, 2]

Bonner, E., **Kalinec-Craig, C. A.**, Aguirre, J., & Roth Mc Duffie, A. (2018). Preparing Elementary Teachers to Engage Families in Mathematics: Essential Routine Practices. Discussion session held at Annual Conference for the Association of Mathematics Teacher Educators, Houston, TX. [Research Theme 1, 2]

Stoehr, K. & **Kalinec-Craig, C. A.** (2017). Making meaningful mathematics connections. Presentation for National Council of Teachers of Mathematics Innov8 Conference, Las Vegas,

NV [Research Theme 1 and 2].

Kalinec-Craig, C. A. (2017). My inner child finally could be told I had a right as a learner: An analysis of elementary pre-service teachers' reflections about promoting equity in the mathematics classroom. Presentation at American Association of Advancement of Curriculum Studies, San Antonio, TX. [Research Theme 2, 3]

Diamond, J., **Kalinec-Craig, C. A.**, & Shih, J. (2017). The impact of a multi-institutional study on the activities used in preservice elementary methods courses. Paper presented at the Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1]

Kalinec-Craig, C. A. & Prasad, P. (2017). Refining the work of unpacking preservice teachers' algorithmic strategies for multi-digit addition problems, Paper presented at the Annual Conference for the Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1]

Kalinec-Craig, C. A. (2016) Doing math and science at the DoSeum: Elementary teachers developing interdisciplinary tasks at an interactive children's museum, Oral presentation for TODOS: Equity for All, Phoenix, AZ. [Research Theme 1]

Crespo, S., Bannister, N., & **Kalinec-Craig, C. A.** (2016). Lesson Sketch: Learning to notice students' mathematical competence, Paper presented at the Annual Conference for the National Council of Teachers of Mathematics Research Pre-Session, San Francisco, CA. [Research Theme 2]

Diamond, J., **Kalinec-Craig, C. A.**, & Shih, J. (2016). Elementary mathematics pre-service teachers' knowledge of content and students: A multi-institutional study, Paper Presented at the Annual Conference for the Association of Mathematics Teacher Educators, Irvine, CA. [Research Theme 1]

Walls, C., **Kalinec-Craig, C. A.**, Prasad, P., & Vallines-Mira, R. (2016). Rethinking elementary pre-service teachers' addition strategies, Paper Presented at the Annual Conference for the National Council of Teachers of Mathematics Research Pre-Session, San Francisco, CA. [Research Theme 1]

Kalinec-Craig, C. A., (2015). A Phenomenological study about teachers' experiences creating lessons in the Te' ALaMo Project (Teachers, Art in Latin@ cultures, and Mathematical Modeling, Paper Presented at the Annual Conference for the Psychology and Mathematics Education North America Chapter, Psychology and Mathematics Education North America Chapter, Lansing, MI. [Research Theme 1]

Kalinec-Craig, C. A., & Saldamando, D. (2015). "Hearing the "whole" song: bilingual third grade children learning about equivalent fractions through mariachi music," Paper Presented at the Annual Conference for the Association of Mathematics Teacher Educators, Association of Mathematics Teacher Educators, Orlando, FL. [Research Theme 1]

Kersting, N. B., Sutton, T., **Kalinec-Craig, C. A.**, Chen, M-K., Heshmati, S., Stoehr, K. J., Thomas, M., & Goswami, G. (2014). "Understanding the relationship between teacher value-added scores, instructional quality, and independent measures of student learning," Paper Presented at the Annual Conference for the American Educational Research Association, Philadelphia, PA. [Research Theme 1]

Kalinec-Craig, C. A. (2014). "Math Through Mariachi: A collaborative, culturally responsive approach to teaching fractions in a third-grade bilingual mathematics classroom," Oral presentation for American Association for the Advancement of Curriculum Studies, Philadelphia, PA. [Research Theme 1]

Kalinec-Craig, C. A., & Kelley, T. (graduate student). (2013). "Math Through Mariachi: A culturally responsive curriculum," Oral presentation for STEMsation, Academy of Teacher Excellence, San Antonio, TX. [Research Theme 1]

Kalinec-Craig, C. A. (2013). "Latina/o pre-service teachers' (mis) conceptions of teaching mathematics for students from minoritized populations," Paper Presented at the Annual Conference for the American Educational Research Association, San Francisco, CA. [Research Theme 1, 2, 3]

Stoehr, K. J., **Kalinec-Craig, C. A.**, & Turner, E. E. (2013). "Pre-service teachers' beliefs about the role of children's home and community knowledge in teaching and learning mathematics," Paper Presented at the Annual Conference for the American Educational Research Association, San Francisco, CA. [Research Theme 1, 2, 3]

Sutton, T., Stoehr, K., & **Kalinec-Craig, C. A.** (2012). "Using video clips of classroom instruction to measure knowledge of teaching mathematics," Paper Presented at the Annual Conference for the Association of Mathematics Teacher Educators, Fort Worth, TX. [Research Theme 1]

Kalinec-Craig, C. A., & Stoehr, K. J. (2012). "Math in action! Connecting math to students' out-of-school experiences," Oral presentation for Mathematics Educator Appreciation Day Conference, Tucson, AZ. [Research Theme 1]

Kalinec-Craig, C. A. (2010). "Math Through Mariachi," Oral presentation for University of Arizona Teaching, Learning, and Sociocultural Studies Graduate Student Colloquy Presenter, Tucson, AZ. [Research Theme 1]

Annot-Hopffer, E., **Kalinec-Craig, C. A.**, & Mercado, V. (2008). "Math, music, and AP courses," Oral presentation for Arizona State University Advancing Arizona Education Conference, Tempe, AZ. [Research Theme 1]

Annot-Hopffer, E., Mercado, V., & **Kalinec-Craig, C. A.** (2008). "Presentation on family engagement for college preparation: Teaching math through mariachi music," Oral presentation for Arizona State University What Works in Educational Partnerships, Tempe,

AZ. [Research Theme 1]

Arnot-Hopffer, E., Mercado, V., **Kalinec-Craig, C. A.**, & Valenzuela, F. (2008). "Teaching math through mariachi music," Paper Presented at the Annual Conference for the Preparate Conference on Education of Latinos, Chicago, IL. [Research Theme 1]

Poster Presentations (Presented and Accepted)

Kalinec-Craig, C. A., Bannister, N., Crespo, S., Bowen, D., & Jacques, L. (2018). Learning to notice and name strengths with LessonSketch. To be presented at Psychology and Mathematics Education North America Chapter at Greensboro, South Carolina.

Kalinec-Craig, C.A. & Jansen, M. (2018). Rights of The Learner and Rough Draft Thinking: Two commitments for humanizing mathematics teacher education. To be presented at Psychology and Mathematics Education North America Chapter at Greensboro, South Carolina.

Kalinec-Craig, C. A. (2016). The Rights of the Learner: A sociocultural framework for promoting equity through formative assessment in mathematics classrooms. North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ. <http://www.pmena.org/pmenaproceedings/PMENA%2038%202016%20Proceedings.pdf> [Research Theme 1, 2, 3].

Kalinec-Craig, C. A. (2011). "Pre-service teachers' of color experiences in utilizing a child's home and community knowledge," North American Chapter of the Psychology of Mathematics Education, New Orleans, LA. [Research Theme 1, 2, 3]

Kalinec-Craig, C. A. (2011). "A case study on pre-service Latina/o elementary teachers experiences to learn to teach mathematics for understanding and with relevance," American Educational Research Association Division K Graduate Dissertation Seminar, New Orleans, LA. [Research Theme 1, 2, 3]

Grant – Funded

2019

CS4SA-HS: Developing a collaborative of secondary computer science teachers to increase Latinx participation in CS, NSF (Proposal # 1923269) (Dr. Timothy Yuen & Amanda Fernandez, PIs)

Role: Co-PI

[Research Theme 1]

Amount funded: \$999,556

2018

Community Math Project: Building Math Proficiency to Strengthen Teacher Education Through Collaborative Interventions, *Title V – Developing Hispanic-Serving Institutions Program, Department of Education (DOE)*; Anna Harwin and Dr. Heidi Hunt (PIs, Northwest Vista Community College), Dr. Emily Bonner (Co-PI, University of Texas at San Antonio)

Role: Co-PI

[Research Theme 1, 2, 3]
August 2018-August 2023
Amount funded: \$3,700,000

2015

San Antonio Independent School District: Title 1 Texas Improvement Priority Schools (TTIPS) Grants *Douglass Elementary and Crockett Elementary Community Lab Schools*; Belinda Flores (PI) and the Academy for Teacher Excellence.

Role: Faculty Contributor (170 hours contributed)

[Research Theme 1, 2, 3]

August 2015—July 2017

Amount funded: \$1,800,000

2015

ATE i3 Communities of Practices: (Interdisciplinary Ingenious Innovative) Communities of Practice, Pathways to Hispanic Students' Success in STEM Areas (funded)

Role: Content Specialist/ Collaborator

[Research Theme 1]

Amount funded: \$4,200,000

2014

UTSA College of Education and Human Development Faculty Research Award: *A Phenomenological Study About Te' ALaMo: Teachers, Art from Latin@ cultures, and Mathematical Modeling*

Role: Principal Investigator

[Research Theme 1]

December 2013—June 2014

Amount funded: \$5,000

Grant – Pending

TEACHING

Courses Taught

Graduate

| | |
|--------------------|---|
| Fall 2020 | ILT 7891 Doctoral Seminar |
| Spring 2019 | C&I 6963: Trends and Issues in STEM Ed |
| Fall 2018- present | C&I 6303: Advanced Methods in Mathematics |
| Spring 2018 | C&I 6633: <i>Equity, Agency, and Participation in Interdisciplinary STEM Education</i> |
| Spring 2017 | ILR 7203: Applications of <i>Qualitative Interdisciplinary Research Methods: Phenomenological Methods</i> |
| Spring 2015, 2016 | C&I 6103: Research in Action |
| Fall 2014 - 2017 | C&I 5003: Theory of Curriculum and Instruction |
| Summer 2012 | MAT 506: Equity in the Mathematics Classroom |

Undergraduate

| | |
|---------------------|---|
| Fall 2018- present | C&I 4443: Approaches to Teaching Mathematics in 4-8 Classrooms |
| Fall 2013 – Present | C&I 4403: Approaches to Teaching Mathematics in EC-6 Classrooms |
| Fall/Spring 2010 | TTE 326: Teaching Elementary Mathematics in a Technological Age |
| Fall 2008 | MAT 112: College Algebra |
| Spring 2008 | MAT 086: Basic Mathematics |
| Fall 2004 | MAT 151: College Algebra |
| Fall 2002 | MAT 100: Basic Mathematics |

Current Doctoral Student Advising and Committee Membership

| | | |
|----------------------------|---|---------------------------|
| August 2018 -- Present | Program Advisor | Orlando Graves Bolanos |
| June 2019 – Present | Doctoral Advisor | Alex Howell Arriaga |
| June 2019 – Present | Doctoral Advisor | Erica Harral |
| March 2018 – Present | Doctoral Co-Advisor with Dr. Emily Bonner | Traci Kelley |
| August 2018 – January 2019 | Doctoral Advisor | Emmanuel Watkins |
| December 2017 – May 2018 | Dissertation Committee Member | Stephanie Garcia |
| December 2017 – May 2018 | Dissertation Committee Member | Melissa Siller |
| August 2017 – May 2018 | Doctoral Advisor | Susan Diaz |
| August 2016 – May 2018 | Doctoral Advisor | Martina McGhee |
| January 2016 – June 2019 | Qualifying Exam Committee Member | Carey Walls |

Completed Doctoral Advising, Committee Membership, and Directed Student Research

June 2017 – May 2018, Dissertation Committee Member, Stephanie Garcia
Garcia, S. Pre-service Elementary Teachers Enacting a Critical Race Curriculum in Science: A Multi-case Study. (Doctoral Dissertation). Retrieved from ProQuest. (Accession No: 13882053).

June 2017 – May 2019, Dissertation Committee Member, Melissa Siller
Siller, M. (2019) *Communities of Practice as Comprehensive Induction for Early Childhood Educators*. (Doctoral Dissertation). Retrieved from ProQuest.

August 2016 – May 2018, Dissertation Advisor, Martina McGhee.
McGhee, M. (2018). *Exploring Black Women Educators Use of Pop Culture As Curriculum: A Narrative Case Study*. Retrieved from ProQuest. (Accession No: 13883649)

November 2015 – May 2017, Dissertation Committee Member, Ralph Gdovin

Gdovin, R. A. (2017). *Efficacy of analogy-based instruction on student achievement in college biology: Focusing on gender and race* (Doctoral Dissertation). Retrieved from ProQuest. (Accession No: 1906287397).

January 2016 – May 2017, Dissertation Committee Member, ReAnna Roby

Roby, R. S. (2017). *Black girl magic in science: A critical race narrative of black women in science PhD programs*. (Doctoral Dissertation). Retrieved from ProQuest. (Accession No: 10280601).

July 2015, Direct Doctoral Student Research, Carey Walls

Kalinec-Craig, C. A., Prasad, P.V., Vallines Mira, R., & Walls, C. (2018, Under review) Unpacking the algorithm: Rethinking elementary pre-service teachers' strategies for solving multi-digit addition problems. *Investigations in Mathematical Learning*.

Master of Arts Graduate Student Advising

2014 – Present Advised/Advising 61 Master of Arts in Curriculum and Instruction Graduate Students

2015 – Present Advising 17 Master of Arts in Curriculum and Instruction with Teaching certification (MACIT)

May 2016 – August 2017, Committee Member, Jennifer Rodriguez

Rodriguez, J. (2017). Teacher identity and commitment in Title 1 schools: A collective case study. (Master's Thesis). Retrieved from ProQuest. (Accession No: 10618079).

SERVICE

(Leadership roles are bolded)

INTERDISCIPLINARY LEARNING AND TEACHING (ILT) DEPARTMENT SERVICE

| | |
|----------------|--|
| 2018-2020 | Coordinator, EC-6 Certification Program |
| 2018 & 2019 | Member, ILT Department Chair Search Committee |
| 2017 | Member, IDS/CI Faculty Search Committee |
| 2017 – Present | SEE Math (Support and Enrichment Experiences in Math), Co-Director |
| 2017 – 2020 | Program Chair, Master of Arts in Curriculum and Instruction |
| 2016 – Present | Committee member, Ad Hoc Committee for Student Teaching Experiences |
| 2016 – 2018 | UTeachSA and Dual Credit Committee |
| 2015 – Present | Program Chair, Master of Arts in Curriculum and Instruction with Teaching Certification (MACIT) graduate degree program |
| 2015 – Present | Committee member, Ad Hoc Committee for Curriculum & Instruction course alignment and recruitment strategy sub-committee |
| 2015 | ILT Doctoral Research Roundtables |

- 2015 – Present Lead faculty, Approaches to Teaching EC-6 Mathematics
- 2015 – Present Coordinator, Block B coursework and fieldwork (C&I 4403, C&I 4352, LTED 3823, and ECE 4203)
- 2014 – Present Lead Faculty, Approaches to Teaching Mathematics in Grades 4-8
- 2014 – Present Lead Faculty, Approaches to Teaching Mathematics in Secondary Schools
- 2014 – 2016 Committee member, STEM Education Committee
- 2014 – 2016 Committee chair, Ad Hoc Committee for Merit Rubric on Teaching
- 2013 – Present Committee member, EC-6 (Early childhood to grades 6) education committee
- 2013 – Present Committee member, Grades 4-8 education committee
- 2013 – Present Committee member, Secondary education committee

College of Education and Human Development (COEHD) Service

- 2018 – Present Teacher Advisory Council committee member
- 2017 – Present COEHD Committee on the Conceptual Framework and Candidate Proficiencies Task Force
- 2013 – Present Dean’s List Luncheon
- 2016 Presenter at *CRTL: Culturally Responsive Teaching and Learning*, Kappa Delta Pi Organization
- 2015 – 2017 Community Lab School Collaborator, Crockett and Douglass Elementary (6 workshops and individualized work with teachers)
- 2017 Collaborator, Northside Independent School District/UTSA Teacher Certification Pipeline
- 2013 – 2015 Committee Chair, UTSA COEHD Scholarship Committee

University Service

- 2018 – 2019 Secretary, Faculty Senate
- 2018 – 2019 Chair, Nominations, Elections, and Procedures Committee for Faculty Senate (which means I also serve on the Executive Committee for Faculty Senate)
- 2017 – Present Member, UTSA Faculty Mentoring University Review Committee
- 2017 – Present Member, UTSA Faculty Senate Sexual Assault and Harassment Committee
- 2016 – 2019 Senator, Faculty Senator (Tenure/Tenure Track) for ILT Department

Professional Service

- 2019 Panel Member, STARs Fellow Cohort Meeting at AMTE (Orlando, FL)
- 2017 Chair, TODOS: Mathematics for All, Student Awards

- 2016 – 2019 Steering Committee Member, Psychology and Mathematics Education North American Chapter (PMENA)
Recently helped to craft official PME-NA statements in support of Drs. Rochelle Gutierrez and Laurie Rubel
- 2015 – 2016 Collaborator, Psychology and Mathematics Education North American Chapter (PMENA) Conference, Tucson Arizona 2016
- 2015 Guest Speaker, C&I 5003: Theory of Curriculum and Instruction
- 2014 – Present Judge, Geometry Fair for MAT 3123: Fundamentals of Geometry course (Undergraduate)
- 2014 Participant, TEACH Math Dissemination Conference
- 2014 Panel Member, Military Workshop Panel
- 2014 – 2015 Ethnomathematics, Faculty Team Member, Academy of Teacher Excellence
- 2014 AMTE STAR (Service, Teaching, And Service) Fellow (Henry Lucas STAR Fellow)
- 2013 Participant, Campos Viviente Workshop
- 2013 Participant, LGBTQIA Advocacy Faculty and Student Organization and Orientation

Editor and Reviewer

- 2020 – Present Co-Editor, Journal Editor, National Council of Teachers of Mathematics, “Ear to the Ground” Department
- 2018, 2019 National Science Foundation Reviewer
- 2015 – 2019 Editor, Journal Editor, National Council of Teachers of Mathematics, “Mathematics for Real” Section
- 2017 – Present Reviewer, Urban Education
- 2017 – Present Reviewer, Journal, Journal of Technology and Teacher Education
- 2017 – Present Reviewer, Journal, Mathematics Teacher Educator
- 2015 – Present Reviewer, Journal, Teaching for Equity and Excellence in Mathematics
- 2015 – Present Reviewer, Journal, Journal of Mathematics Education
- 2015 – Present Reviewer, Journal, Mathematics Teaching and Learning
- 2013 – Present Reviewer, Conference, SACNAS: Society for Advancement of Chicanos and Native American Scientists
- 2013 – Present Reviewer, Journal, Journal of Latinos in Education
- 2013 – 2019 Reviewer, Journal, Mathematics Teaching in the Middle School
- 2013 – 2019 Reviewer, Journal, Teaching Children Mathematics
- 2011 – Present Reviewer, Conference, National Council of Teachers of Mathematics
- 2011 – Present Reviewer, Conference, American Educational Research Association

- 2010 – Present Reviewer, Conference, North American Chapter of the International Group for the Psychology of Mathematics Education (PMENA)
- 2010 – Present Reviewer, Conference, Association of Mathematics Teacher Educators

Professional Development Activities

- 2015 – Present Mathematical Knowledge for Equitable Teaching (MKET), Conference Attendee, Ann Arbor Michigan
- 2017 Webinar, AMTE, Exploring the AMTE Standards: Social Contexts of Mathematics Teaching and Learning
- 2017 Webinar, AERA, Solving Teacher Inequities by Putting Knowledge into Action
- 2016 Webinar, TODOS Live!, Weaving Indigenous Perspectives & Mathematics: Landscape of Success for ALL Learners
- 2016 Writing Successful Grants (UTSA)
- 2015 Webinar, TODOS Live!, Equitable Practices in Mathematics Classrooms: Research-Based Recommendations Presented by Judit Moschkovich.
- 2015 Webinar, TODOS Live!, What is all this talk about identity? Why and how this matters in the math classroom: Presented by Marcy B. Wood.
- 2014 Workshop, UTSA Military Culture Workshop, Center for the Well-Being of Military Children and Families, San Antonio, Texas
- 2014 Seminar, Kappa Delta Pi Chapter Leadership Training: Chapter Member Engagement, Kappa Delta Pi, San Antonio, Texas
- 2014 Tutorial, Kappa Delta Pi New Counselor Orientation, Kappa Delta Pi, San Antonio, Texas
- 2014 American Educational Research Association, Division K: Teacher Education, New Faculty Workshop and Seminar
- 2011 American Educational Research Association, Division K: Teacher Education, Dissertation Seminar for Graduate Students

Public Service

- 2017 – Present Volunteer, SA Rocks Dog Rescue Organization
- 2015 – 2017 Volunteer, University Hospital, Paws Up Therapy
- 2017 Participated in Women’s March
- 2016 Reviewed DaisyCares curriculum for responsible pet ownership and empathy towards animals
- 2013 – 2017 Therapy Team Member, Therapy Animals of San Antonio
- 2011 – 2013 Member, Gabriel's Angels Animal Therapy Association
- 2007 – 2013 Officer, Treasurer, Southern Arizona Texas A&M Alumni Club
- 2014 Collaborator, Math/science Family Night at Forrester Elementary

2014 Collaborator, Guadalupe Cultural Arts Center Evaluation Development

Professional Memberships

2013 – Present TODOS: Mathematics for ALL
2011 – Present National Council of Teachers of Mathematics (NCTM)
2010 – Present American Educational Research Association (AERA)
2010 – Present Psychology of Mathematics Education- North America (PMENA)
2010 – Present Association of Mathematics Teacher Educators (AMTE)

Licensures and Certifications

2001 Texas Educator License for Grades 6-12, Texas Educational Agency

External Connections and Partnership

2018 – Present Member of San Antonio STEAM Ecosystem Initiative
2017 – Present Woodlawn Hills Elementary School, Embedded Model Partnership School, San Antonio, Texas (SEE Math Section)
2015 Douglass and Crockett Elementary Community Lab Schools, San Antonio, Texas
2015 – Present The DoSeum, San Antonio, Texas
2013 Guadalupe Cultural Arts Center, San Antonio, Texas