Alison E. Leonard, Ph.D.

Associate Professor of Arts & Creativity
College of Education
Clemson University
Gantt Circle, 409 A
Clemson, SC 29631
864-656-5117
aleona2@clemson.edu

Academic Background/Degrees

Doctor of Philosophy in Curriculum and Instruction (minor in Dance & Theatre for Youth) 2012, University of Wisconsin—Madison

Master of Arts in Performance Studies, 2006, New York University

Bachelor of Individualized Studies (Anthropology, Dance, & Spanish), 2003, University of Minnesota—Twin Cities

Academic Appointments

Associate Professor of Arts & Creativity, Teaching & Learning, College of Education, Clemson University, 2018-present

Assistant Professor of Arts & Creativity, Teaching & Learning, College of Education, Clemson University, 2012-2018

Teaching Assistant and Supervisor, Art Education, Curriculum & Instruction, University of Wisconsin—Madison, 2007-2012

Research

Publications

Peer reviewed journal articles

Leonard, A. E. (2021). Using the *Journal of Dance Education* with secondary students. *Journal of Dance Education.* Advance online publication. https://doi.org/10.1080/15290824.2021.1932913

Catalano, T., Ganesan, U. Barbici-Wagner, A., Reeves, J. Leonard, A.E., & Wessels, S. (August 2021). Dance as dialog: A metaphor analysis of arts and community-based learning with preservice teachers and a local refugee community. *Teaching and Teacher Education, 104.* https://doi.org/10.1016/j.tate.2021.103369

Gao, Q., Hall, A., Linder, S., Leonard, A., Meihua, Q. (2021). Promoting head start dual language learners' social and emotional development through creative drama. *Early Childhood Education Journal.* https://doi.org/10.1007/s10643-021-01198-x

Leonard, A. E., Bannister, N. A., & D'Souza, N. F. (2020). '(Non)dance and (non)math people': Challenging binary disciplinary identities in education. *Research in Dance Education.* https://doi.org/10.1080/14647893.2020.1853692

Leonard, A.E., Daily, S. B., Jörg, S., & Babu, S. (2020). Coding moves: Design & research on teaching computational thinking through dance choreography and virtual interactions. Advance online publication. *Journal of Research in Technology Education.* doi: 10.1080/15391523.2020.1760754

Hamilton, E. R., Burns, A., Leonard, A. E., & Taylor, L. (2019). Three museums and a construction site: A collaborative self-study of learning from teaching in community-based settings. *Studying Teacher Education*. Advance online publication. doi: /10.1080/17425964.2019.1690986

Leonard, A. E. & Cridland-Hughes, S. (2019). Dancing vernacular: Integrating English, hip hop, and choreography for Analyzing Texts. *Journal of Dance Education.* doi: 10.1080/15290824.2019.1644451

Leonard, A. E. & Bannister, N. A. (March 2018). Dancing our way to geometric transformations. *Mathematics Teaching in the Middle School, 23*(5): 258-267. doi: 10.5951/mathteacmiddscho.23.5.0258

Farmer, J. L., Spearman, M., Qian, M., Leonard, A. E. & Rosenblith, S. (March 2018). Using children's drawings to examine student perspectives of classroom climate in a school-within-a-school elementary school. *The Elementary School Journal*, 118(3): 384-408. doi: 10.1086/696194

Leonard, A. E., Fleming, D., Lewis, M., & Durham, S. (Fall 2017). Arts field experiences within afterschool programs: A university/afterschool partnership. *Afterschool Matters, 28*: 27-34.

Farmer, J., Leonard, A. E., Spearman, M., Qian, M., & Rosenblith, S. (2016). Picturing a classroom community: Student drawings as a pedagogical tool to assess features of community in the classroom. *Action in Teacher Education, 38*;(4), 299-314.

Leonard, A. E., & Odutola, A. O. (2016) "I Am Artistic": Mixed Method Case Study Research of Preservice Generalists' Perceptions of Arts in Education. *Studies in Art Education, 57*(3): 279-299.

Catalano, T., & Leonard, A. E. (2016). Moving people and minds: Dance as a vehicle of democratic education. *Education, Citizenship and Social Justice, 11, 1: pp. 63-84.* doi: 10.1177/1746197915626082

Leonard, A. E., Dsouza, N., Babu, S. B., Daily, S. B., Jörg, S., Waddell, C., Parmar, D., Gundersen, K., Gestring, J., & Boggs, K. (2015). Embodying and programming a "constellation" of multimodal literacy practices: Computational thinking, creative movement, biology, & virtual environment interactions. *Journal of Language and Literacy Education*, 11(2), 64-93. Retrieved from http://jolle.coe.uga.edu/wp-content/uploads/2015/10/Leonard_Template-Final-fixed-links.pdf

Leonard, A. E., Hall, A. H., & Herro, D. (2015). Dancing literacy: Expanding children's and teachers' literacy repertoires through embodied knowing. *Journal of Early Childhood Literacy,* 0(0) 1–23. doi: 10.1177/1468798415588985

Daily, S. D., Leonard, A. E., Jörg, S., Babu, S., Gundersen, K., & Parmar, D. (2015). Embodying computational thinking: initial design of an emerging

technological learning tool. *Technology, Knowledge, & Learning. 20*:79–84. doi: 10.1007/s10758-014-9237-1

Leonard, A. E. (2014). Aliens, zombies, and a volcano: Embracing the unexpected in conducting research with young children. *Curriculum & Teaching Dialogue, 16*(2), 139-144.

Leonard, A. E., Hellenbrand, L., & McShane-Hellenbrand, K. (2014). Leading by design: a collaborative and creative leadership framework for dance integration in pk-12 schools. *Journal of Dance Education, 14*(3), 87-94.

Leonard, A. E. (2014). Democratic Bodies: Exemplary Practice and Democratic Education in a K-5 Dance Residency. *Journal of Dance Education, 14*(1): 1-7.

Leonard, A. E., & Daily, S. B. (2013). The dancing Alice project: Computational and embodied arts research in middle school education. *Voke, 1.* Retrieved from http://www.vokeart.org/?p=331&spoke=1

Leonard, A. E., & McShane-Hellenbrand, K. (2012) K-5 student experiences in a dance residency: A case study. *Journal of Dance Education, 12*, 82-86.

Leonard, A. (2010). Becoming ladies and gentlemen...or, something like that: A critical examination of gendered, social knowledge in the film *Mad Hot Ballroom. Arts and Learning Research Journal, 26*(1), 70-95.

Peer reviewed published proceedings

Lin, L., Jörg, S., Parmar, D., Leonard, A., Daily, S., and Babu, S.V. (2017). How character appearance affects learning in computational thinking. Article No. 1. ACM International Symposium on Applied Perception (SAP). https://dl.acm.org/citation.cfm?id=3119884

Parmar, D., Babu, S.V., Lin, L., Jörg, S., D'Souza, N., Leonard, A.E., & Daily, S.B. (2016). Can embodied interaction and virtual peer customization in a virtual programming environment enhance computational thinking? 2016 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Atlanta, GA, pp. 1-2. Retrieved from http://ieeexplore.ieee.org/document/7836179/authors

Parmar, D.K., Isaac, J., Babu, S.V., Gunderson, K., Leonard, A.K., Daily, S.B., and Jörg, S. (2016). "Programming Moves: Design and Evaluation of Applying Embodied Interaction in Virtual Environments to Enhance Computational Thinking in Middle School Students", in Proceedings of the IEEE International Conference on Virtual Reality (IEEE VR) 2016.

Isaac, J., Jörg, S., Leonard, A., Daily, S. B., & Babu, S. V. (2016, March). Supporting computational thinking through gamification. In 2016 IEEE Symposium on 3D User Interfaces (3DUI) (pp. 245-246). IEEE

Daily, S., Leonard, A., Jörg, S., Babu, S., D'Souza, N., Parmar, D., Gundersen, K., Isaac, J. (2016) "Combating Perceptions of Computer Scientists: A Short-term Intervention". SIGCSE.

Daily, S. B., Leonard, A., Jörg, S., Babu, S., Gundersen, K. (2014). "Dancing Alice: Exploring embodied pedagogical strategies for learning computational thinking". *Proceedings of the 45th ACM technical*

Symposium on Computer Science Education (SIGCSE '14), Atlanta, USA, 91-96. Retrieved from http://dl.acm.org/citation.cfm?id=2538917

Book Reviews

Leonard, A.E. (2016). Hybrid Lives of Teaching Artists in Dance and Theatre Arts: A Critical Reader. *Journal of Dance Education, 16*(2): 73-74.

Leonard, A.E. (November 13, 2015). Critical Pedagogy, Physical Education and Urban Schooling**.** *Teachers College Record*. Retrieved from http://www.tcrecord.org ID Number: 18262

Leonard, A. E., & Odutola, A. O. (2014). Piecing together the debates: A review of The Great Diversity Debate: Embracing Pluralism in School and Society by Kent Koppelman, *Multicultural Perspectives, 16*(2), 113-116.

Leonard, A. E. (2010). Inspiring a revolution: A review of Julio Cammarota and Michelle Fine's Revolutionizing Education: Youth Participatory Action Research in Motion. *Networks: An On-line Journal for Teacher Research, 12*(1), 1-3.

Book Contributions

Contributor to Koppelman, K. (2017). *Understanding human differences: Multicultural education for a diverse America* (5ᵗʰ ed.). Pearson Education.

Published Dissertation

Leonard, A. E. (2012). Moving the school and dancing education: Case study research of K-5 students' experiences in a dance residency The University of Wisconsin - Madison, ProQuest, UMI Dissertations Publishing, 3518176.

Presentations

Refereed international and national conference papers & presentations

Leonard, A. E. (October, 2021). *To Dance (or Not to Dance) at Your Laptop: Non-arts Preservice Teachers' Online Dance Engagement.* National Dance Education Organization's annual (virtual due to pandemic) conference.

Reeves, J., Wessels, S., Catalano, T., Ganesan, U., & Leonard, A. (August, 2021). *Creative inquiry and community engagement: Bringing refugees and preservice teachers together through arts-based interventions*. Association Internationale de Linguistique Appliquée (AILA)'s annual conference in Groningen, the Netherlands. (online due to COVID-19 pandemic)

Leonard, A.E., Reeves, J., Wessels, & Catalano, T. (October 2020). Dancing Discourse: Preservice Teachers, Yazidi Refugee Community, & Migrant Experiences. Paper submitted to the National Dance Education Organization's annual meeting in Denver, CO. (online due to COVID-19 pandemic).

Leonard, A.E., Burns, A., Hamilton, E. R., Taylor, L.K. (2020). *In the place of*

education: Community-based experiences, third space, and teacher education. American Educational Research Association Annual Meeting, San Francisco, CA. (Conference canceled due to COVID-19 pandemic)

Taylor, L.K., Hamilton, E. R., Burns, A., & Leonard, A.E. (2020). *Challenging apprenticeships of observation: The power of possibilities of community-based field experiences.* American Educational Research Association Annual Meeting, San Francisco, CA. (Conference canceled due to COVID-19 pandemic)

Burns, A., Taylor, L., Leonard, A.E., & Hamilton, E. (2019). *Facilitating community-based field experiences: Experiences from children's museums, a museum school, and a construction site.* American Educational Research Association's annual conference in Toronto, Canada.

Leonard, A. E. & Bannister, N. A. (2018). *Flip, turn, & slide: Case study of teaching dance-based inquiry of geometrical transformations.* National Dance Education Organization's annual conference in San Diego, CA.

Bannister, N., Leonard, A. E., McClenahan, J., & Jones, S. (2018, April). *Relearning the dance of geometric transformations.* National Council of Teachers of Mathematics Research Conference, Washington, D.C.

Dsouza, N., Leonard, A. & Quigley, C. (2018) "Addressing Inequities in Science Teacher Preparation from a Critical Race Perspective". National Association of Research in Science Teaching (NARST) National Conference, Atlanta, Georgia.

Leonard, A.E. (2017). *Playing Teacher, Teacher Playing: Early Childhood Teacher Education, Informal Learning, the Arts, and Play.* Presented at the American Educational Research Association's annual conference in San Antonio, TX.

Dsouza, N., Leonard, A.E., Daily, S. B., Jörg, S., Babu, S.V., Parmar, D., Lin, L., Gundersen, K., Ebrahimi, E. (2017). *Girls Can't Code and Other Myths: Middle School Girls' Identities and Future Career Interests in Programming.* Presented at the American Educational Research Association's annual conference in San Antonio, TX.

Leonard, A. E. (2016). *Moved by Computing: How Computational Thinking and Virtual Reality Drive an Embodied Curriculum,* presented at the National Dance Education Organization in Washington, DC.

Daily, S. B., Leonard, A. E., Dsouza, N., Babu, S. V., Jörg, S., Gundersen, K., Parmar, D., & Lin, L. (2016). *Coding Moves: Design-Based Research of Virtual Environment Interactions With Middle School Students,* presented at the American Educational Research Association in Washington, DC.

Catalano, T., & Leonard, A.E. (2016). *Engaging Students in Critical Dialogue Through Dance and Discourse: A Case Illustration of*

Immigrant Stories, presented at the American Educational Research Association in Washington, DC.

Spearman, M., Farmer, J., Qian, M., Leonard, A. E., Rosenblith, S., & Johnstone, D. (2016). *Using Children's Drawings to Examine Student Perspectives on Classroom Climate in a School-Within-a-School Elementary School*, presented at the American Educational Research Association in Washington, DC.

Leonard, A. E. (2015). *"I am a cell": Artistic processes of 5th graders merging computational thinking, movement, & biology,* to be presented at the National Dance Education Organization annual meeting in Phoenix, AZ.

Leonard, A. E., Daily, S. B., Jörg, S., & Babu, S. (2015). *Designing embodied pedagogical strategies for learning computational thinking: A design-based research approach*, presented at the American Educational Research Association in Chicago, IL

Leonard, A. E. (2015). *Playing teacher…after school: Teacher education, the arts, play, and informal educational environments*, presented at US Play Coalition's Conference on the Value of Play: Taking Action in Clemson, SC.

Fleming, D., Durham, S. G., Lewis, M., & Leonard, A. E. (2015). *Art field experiences within after school programs: A university/school partnership,* presented at the National Youth-at-risk Conference in Savannah, GA.

Leonard, A. E., Daily, S. B., & Gundersen, K. (2014). *A Digital Map: Locating Embodied Cognition and Computational Thinking Research Within the Field*, presented at the National Dance Education Organization's annual meeting in Chicago, IL.

Jörg, S., Leonard, A. E., Babu, S., Gundersen, K., Parmar, D., Boggs, K., Daily, S. B. (2014) *Character Animation and Embodiment in Teaching Computational Thinking*, poster presented at the SIGGRAPH: International Conference and Exhibition on Computer Graphics and Interactive Techniques in Vancouver, Canada.

Leonard, A. E., Daily, S. B., Jörg, S., Babu, S. (2014). *The Dancing Alice Project: Computational and Embodied Arts Research in Middle School Education*, presented at the American Educational Research Association's annual meeting in Philadelphia, PA.

Daily, S. B., Leonard, A. E., Jörg, S., and Babu, S. (2014). *Dancing in Virtual Environments: Exploring Grounded Embodied Pedagogy in Support of Computational Thinking*, presented at the American Educational Research Association in Philadelphia, PA

Leonard, A. E. (2014). *Artful Design: A Teacher Education Arts Lab from Development to Practice*, presented at the National Art Education Association's annual meeting in San Diego, CA.

Leonard, A. E. (2014). *Designing an Arts & Creativity Lab*, presented at the National Art Education Association's Design SIG Workshop at the National Art Education Association's annual meeting in San Diego, CA.

Leonard, A. E., Daily, S. B., and Gunderson, K. (2013). *The Dancing*

Alice Project: Choreography & Computer Programming in Middle School, presented at the National Dance Education Organization's annual meeting in Miami, FL.

Leonard, A. E. (2013). *"The Bus was Full": Diversity, Poverty, and Engagement in a K-5 Dance Residency*, presented at the American Educational Research Association's annual meeting in San Francisco.

Leonard, A. E. (2013). *Playing Choreographer: Discovering Artistic Autonomy in a K-5 Dance Residency*, presented at US Play Coalition's Conference on the Value of Play: Taking Action in Clemson, SC.

Leonard, A.E. (2013). *Democratic Bodies: Exploring Dance Outreach Programs in K-8 Education as Emblems of Democracy,* accepted for presentation at the National Association of Multicultural Association's annual meeting in Philadelphia, PA.

Leonard, A. E. (2012). *Schooling the Dance Partner: Exploring Community, Collaboration, and Democracy in an Elementary Dance Residency*, presented at the National Dance Education Organization's annual meeting in Los Angeles, CA.

Leonard, A. E. (2012). *(Re)constructing Dance: Case Study Research of K-5 Students Experiences in a Dance Residency*, paper presented at the American Educational Research Association's annual meeting in Vancouver, Canada.

Leonard, A. E. (2012). *The School's Dance Partner: Exploring Community, Collaboration, and Democracy during a K-5 Dance Residency*, paper presented at the American Educational Research Association's annual meeting in Vancouver, Canada.

Leonard, A. E. (2011). *Moving Multicultural Education: An Exploration of Findings from a Case Study of a K-5 Dance Artist-in-Residence,* paper presented at National Association for Multicultural Education's (NAME) annual international meeting in Chicago, IL.

Leonard, A. E. & McShane-Hellenbrand, K. (2011). *Dance & Research Intertwined: Collaborations on a K-5 Residency*, presented at the National Dance Education Organization's annual meeting in Minneapolis, MN.

Leonard, A. E. & Gibson, M. L. (2010). *Moving towards justice: A workshop on dance, democracy, and pedagogy*, presented at the National Association for Multicultural Education's (NAME) annual international meeting in Las Vegas, NV.

Leonard, A. E. (2010). *Artfully Schooling Subjects: Examining Dance Outreach Programs and the Historical Formation of School Subjects*, paper presented at the annual conference of the American Educational Research Association, Denver, CO.

Leonard, A. E., & Gibson, M. L. (2009) *Playing Teacher: Pre-Service Teachers' Portfolios as Performances of Good Teaching,*

presented at the American Association of Teaching and Curriculum, Arlington, VA.

Leonard, A. E. (2009). *Becoming Ladies and Gentlemen…or, Something Like That: A critical Examination of Gendered, Social Knowledge in the Film Mad Hot Ballroom*, paper presented at the annual conference of the American Educational Research Association, San Diego, CA

Leonard, A. E. (2009). *Performing the Substitute: Witches, Entertainers, Losers, Superheroes, and the Performance of Impersonation*, paper presented at the annual conference of the American Educational Research Association, San Diego, CA

Leonard, A. E. (2009). *THIS IS WILD! Integrating Arts: An Instructor's Reflections on a Middle School, Interdisciplinary Summer Arts Program* (Originally titled "Putting the "S" in Arts Education: Utilizing the Visual Arts, Dance, and Theatre in an Urban Middle School Summer Program"), presented at the annual conference of the National Art Education Association, Minneapolis, MN.

Invited Presentations
Scholarly presentations

Von Bank, H., Putman, B., Walker, E., Davis, P., & Leonard, A. [Individual appearance cancelled due to illness] (2020, April 3). Do they even know about play?: Ways to help young adults reconnect with play. US Play Coalition, Clemson, SC. https://usplaycoalition.org/playconference2020

Leonard, A. E. (2019, September). *Dancing the Math: Teaching and Researching a Dance-based Inquiry of Geometric Transformations.* Talk presented in the Department of Teaching, Learning & Teacher Education in the College of Education and Human Sciences at the University of Nebraska-Lincoln.

Leonard, A. E. (2018, November). *Performing tenure*, Tenure talk presented in the College of Education, Clemson University: Clemson, SC.

Heiland, T., Leonard, A. E., Parish, M., & Overby, L. (2018, October). *Engaging undergraduates in research through DELRdi*. National Dance Education Organization annual conference, San Diego, CA.

Bannister, N. & Leonard, A. E. (2018, October). *Relearning the dance of geometric transformations*. Clemson Teaching Conference: Teaching Students Today, Clemson, SC.

Service role presentations

Schupp, K., Oliver, W., Cullen, R., Henley, M., & Leonard, A. (2019). *Teaching with the Journal of Dance Education.* National Dance Education Organization annual conference, Miami, FL. (Journal of Dance Education Editorial Board presentation).

Cullen, R., Leonard, A., Schupp, K., Oliver, W., Henley, M. (2019). *Reviewing Articles and Books for the Journal of Dance Education.* National Dance Education Organization annual conference, Miami, FL. (Journal of Dance Education Editorial Board presentation).

Digital/Archived Presentations

      Leonard, A. E. (March 18, 2017). *You are all dancers.* TEDxYouth@Columbia. https://www.youtube.com/watch?v=JvTMWFfitCQ

      Jörg, S., Babu, S. V., Daily, S. B., Leonard, A. E., Dsouza, N., Gundersen, K., Isaacs, J., Lin, L., Parmar, D. VENVI: Learning Computational Thinking Through Creative Movement. NSF 2016 video showcase "Advancing STEM Learning For All: Sharing Cutting Edge Work and Community Discourse." VIDEO. Retrieved from http://stemforall2016.videohall.com/presentations/777

Regional and State Conferences/Presentations

      Leonard, A. E., Catalano, T., & Reeves, J. (2020). *Creating Dance Stories: Engaging with Migrant Experiences through an Arts-based Intervention.* Palmetto State Arts Education annual (virtual) conference.

      Leonard, A. E. & Bannister, N. A. (2019). *Dancing transformations: Exploring geometric transformations through dance choreography*. Palmetto State Arts Education annual conference in Spartenburg, SC.

      Leonard, A. E. & Cridland-Hughes, S. (2018). *My English class moves: Exploring hip hop text through dance in high school English.* Palmetto State Arts Education annual conference in Charleston, SC.

      Dsouza, N., Quigley, C. & Leonard, A. (2018). Race & Equity in Science Teaching and Teacher Preparation: A Case Study of Racial Microaggressions in the K-12 Science Classroom" (poster). Graduate Research & Discovery Symposium (GRADS), Clemson, South Carolina.

      Leonard, A.E., Dsouza, N., Babu, S. B., Jörg, S., Parmar, D., Lin, L., & Daily, S. B. (2017). VEnvl (Virtual Environment Interactions). Poster presented at the Clemson University College of Education's Research Forum.

      Harrington, J., & Leonard, A. E. (2016). STEAM Education-The Role of the Arts. South Carolina Alliance for Arts Education 2016 Arts Integration Conference, Columbia, SC.

      Lewis, M., Allen, C., Fleming, D., & Leonard, A. (2016). Art Field Experiences in After School Programs: A University/School Partnership. CBSHS/CoED Research Forum.

      Leonard, A. E. & Schumpert, J. (2015). *Schooling the "A" in STEAM*, professional development workshop at the Clemson University CLAD STEAMing into Readiness Professional Development Conference Clemson, SC.

      Leonard, A. E. (2013). *Playing Choreographer: Discovering Artistic Autonomy in a K-5 Dance Residency*, to be presented at the South Carolina Alliance for Health, Physical Education, Recreation, and Dance's annual conference, Myrtle Beach, SC.

      Leonard, A. E. (2010). *Body Action Lab: A movement workshop on improvisation and composition for theatre and performing artists*, workshop to be led at the Theatre and Drama Graduate Student Organization's annual conference, Experimenting, Experiments(s).

Experimental, 3x3r1m3n+: Experimenting within theatre and performance at the University of Wisconsin—Madison.

Leonard, A. E. (2008). *THIS IS WILD! Integrating Arts: An Instructor's Reflections on a Middle School, Interdisciplinary Summer Arts Program* (Originally titled "Putting the "S" in Arts Education: Utilizing the Visual Arts, Dance, and Theatre in an Urban Middle   School Summer Program"), presented at the annual conference of   the Wisconsin Art Education Association, Sheboygan, WI.

Grants (funded)

The STEAM of Printmaking and Its Impact on Informal STEM Learning. Clemson University SEED Grant Tier #2, 2020-2021, $9,999, internal grant, Co-Principal Investigator.

Virtual Environment Interactions: Exploring Grounded Embodied Pedagogy in Support of Computational Thinking (VEnvI), National Science Foundation 13-518, Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE) Grant, 2013-2016, $579,673, external grant, Co-Principal Investigator.

- As of Fall 2015-2016, with grant transferred to the University of Florida, I am the Clemson University Principal Investigator of sub-award, $255,363

Dancing in Virtual Environments: Exploring Embodied Learning in Support of Computational Thinking (DIVE), College of Health, Education, & Human Development Interdisciplinary Grant, 2013-2014, $20,000, Clemson University internal funding source, Principal Investigator.

The Dancing Alice Project, University Research Grant Committee Grant, Spring 2013, $10,000, Clemson University internal funding, Co-Investigator.

Honors and Awards

Presented as a College of Education "Top 3 Faculty" during 2017 to the Clemson University Board of Trustees

Presenters' Choice recognition for *VENVI: Learning Computational Thinking Through Creative Movement*. NSF 2016 video showcase "Advancing STEM Learning For All: Sharing Cutting Edge Work and Community Discourse." Retrieved from http://stemforall2016.videohall.com/presentations/777

Professor of the Game, Clemson University, September 5, 2015

Presented as a Eugene T. Moore School of Education "Top 3 Faculty" during 2015 to the Clemson University Board of Trustees

Chosen for Clemson Family Portrait exhibit at the Clemson Experience Clemson University's Greenville location on Main Street, 2015

School of Education Research Award (nominated), Clemson University, 2014

School of Education Doctoral Research Program Fellow, University of Wisconsin-Madison, 2009-2011

Frederick M. Logan Scholarship in art education from the School of Education at the University of Wisconsin-Madison, 2009-2010

University of Wisconsin-Madison Graduate School Vilas Research Grant Winner, 2010-2011; 2011-2012

University of Wisconsin-Madison Curriculum and Instruction
Award, 2009; 2012
National Association of Multicultural Education (NAME) Founders'
Graduate Student Scholarship for NAME Conference, 2010

Teaching & Advising

Teaching, Clemson University (2012-present)
EDF 9790: Qualitative Research in Education
EDEL 3100: Arts in the Elementary School
ED 9030: Introductory Doctoral Seminar
ED 9910: Doctoral Dissertation Research
ED 9940: Directed Research
Faculty-in-Residence at Dr. Phinneze J. Fisher Middle School, 2016
EDEL 4990: Education Honors Capstone
EDF 974: Emerging Qualitative Research Methods & Design
ED 3910: Creative Inquiry, Beyond the Classroom: Transformation
Drama in Education
EDEL 401: Elementary Education Practicum

Other Teaching (2004-2012)
Curriculum & Instruction 322: Art & Design in Teaching, University of
Wisconsin—Madison
Art Education 470: Elementary Education Practicum, University of
Wisconsin—Madison
Art Education 493: Elementary Education Practicum, University of
Wisconsin—Madison
Theatre 149: Social Dance for Theatre, Lawrence University

Clemson University Advising (2013-present)
Dissertation committee member (completed) – Qianyi Gao, Curriculum & Instruction.
Promoting Dual Language Learners' Social And Emotional Development
Through Creative Drama: A Case Study, 2021.
Dissertation committee member (completed) – Madeline Jurek, Educational Leadership
(P-12) Ph.D: Value Creation Stories: Professional Learning Expereinces Of
Artist-Teachers, 2020.
Dissertation committee member (completed) – Anna Wages, Educational Leadership (P-
12) Ph.D.: *A Case of Arts Coordination in a Rural School District: A Distributed
Perspective,* 2020
Dissertation co-advisor (completed) – Nikeetha Dsouza, Curriculum & Instruction Ph.D.:
Learning to design student-centered equitable science instruction, 2019
Dissertation committee member (completed)– Dhaval Parmar, Human-centered
Computing Ph.D., *Evaluating the Effects of Immersive Embodied Interaction on
Cognition in Virtual Reality,* 2017
Doctoral adviser—Anne McMahan Grant, 2017-2019

Dissertation committee member (completed) - Kelley DeCleene (Learning Sciences at the University of Wisconsin-Madison), *Visual Arts Education for Students with Significant Disabilities: Examining the Intersection Between Art Education, Special Education and the Learning Sciences*, 2015

Elementary Education Honors advisor, Jessica Hagins, 2014-2016

Elementary Education major advisor, 2013-2019

Other Professional Experience

Program/Teaching Assistant, Education Outreach and Partnerships, School of Education, University of Wisconsin-Madison, 2011-2012

Doctoral Research Program (DRP) Fellow, formerly the Wisconsin-Spencer Doctoral Research Program, School of Education, University of Wisconsin-Madison, 2009-2011

Program Implementer/ Curriculum Specialist/Instructor, Wild Space Dance Company, Milwaukee, WI, 2003-2011

Project Assistant for LessonShare Curriculum Sharing Pilot, University of Wisconsin-Madison, 2009

Substitute Teacher, School District Of Shorewood, Shorewood, WI, 2003-2010

Research Assistant for Grant, C. & Gibson, M. (2011). Researching diversity in teacher education: A historical perspective (pp. 19-62). In Ball, A., and Tyson, C. (Eds.) *Studying diversity and teacher education*. New York, NY: Rowman & Littlefield, University of Wisconsin-Madison, 2009

Instructor, Danceworks, INC., Milwaukee, WI, 2006-2007

Instructor, Shorewood High School, School District Of Shorewood, WI, 2006-2007

Instructor, Theatre Department, Lawrence University, Appleton, WI, 2004

<u>**Service**</u>

Service to Field of Scholarship

Guest editor of 2022 *Journal of Dance Education* Special Issue on Dance Education for Children and Youth: Our Future as a Field

Assistant Editor on Editorial Board for the *Journal of Dance Education,* 2017-present

Review Board for the *Journal of Dance Education,* 2015-present

Reviewer for *Journal of the Learning Sciences, Research in Technology Education, Research in Dance Education, Journal of Early Childhood Literacy*

AERA SIG Officer: Web Coordinator for Arts & Inquiry in the Visual and Performing Arts, elected, 2017-2020

Reviewer for SIG: Arts & Inquiry in the Visual and Performing Arts for the American Educational Research Association annual conference in New York, NY, 2018

Reviewer for Division K Teacher Education: Section 1: teaching and Teacher Education in the Content Areas for the American Educational Research Association annual conference in San Antonio, TX, 2017

Reviewer for SIG: Arts and Inquiry in the Visual and Performing Arts in Education in San Antonio, TX, 2017

Reviewer of in-progress chapters on dance education for publication published by McFarland and Company

Reviewer for Division K Teacher Education: Section 5: Preservice Teacher Education Coursework: Curriculum and Teaching to Improve Teacher Knowledge, Understanding, and Pedagogical Practices for the American Educational Research Association annual conference in Washington, DC, 2016

Reviewer for Division B: Curriculum Studies - Section 3: Challenging Methodological and Representational Boundaries for the American Educational Research Association annual conference in Chicago, IL, 2015

Reviewer for SIG-Arts and Inquiry in the Visual and Performing Arts in Education for the American Educational Research Association annual conference in Chicago, IL, 2015

Invited speaker for American Educational Research Association Division G Fireside Chats, 2014

Reviewed arts education book proposal manuscripts for Routledge publishing, 2014

Reviewer for Arts and Learning Special Interest Group for the American Educational Research Association annual conference in Vancouver, Canada, 2012

University Service

Curriculum Committee (College), elected 2016-present; Chair (elected), 2021-2022

University Undergraduate Curriculum Committee (University), elected, 2019-present

Teaching & Learning Curriculum Committee (Department), elected chair, 2019-present

Search committee chair for Assistant Professor of ECE/ELE position (Department), 2019-2020

Search committee member for Associate Professor of Science Education position #1 (Department), 2019-2020

Search committee member for Associate Professor of Science Education position #2 (Department), 2019-2020

Search committee member for Elementary Education lecturer position (Department), 2019-2020

Dean's Advisory Board (College), elected, 2018-2021

Elementary Education Program Coordinator (Department), elected 2018-2020

College of Education Awards and Scholarships Committee (College), elected chair 2016-2019

Choreographer for Clemson Players production of *Bright Star*, 2020

Choreographer for Clemson Players production of *She Loves Me*, 2016

Teaching & Learning Curriculum Committee (Department), elected 2015-2019

Community & Diversity Committee (College), Elected committee chair and elected Teaching & Learning representative, 2015-2016

Calhoun Honors Committee (University), elected 2015-2017

Curriculum Committee (Department), elected 2015-2017

Community & Diversity Committee (College), appointed, 2014-2015

Learning Sciences PhD Doctoral Advisory Committee, 2015-2018

Arts & Creativity Lab manager (College), 2012-present

Department of Teaching & Learning Subcommittees: Vision; By-Laws; & Tenure and Promotion, 2014-2015

Doctoral Advisory Committee (Department), elected, 2013-2015

Moore Scholars mentor and guest teacher (Department), 2014

"Day in the Life" School of Education recruitment fair presenter for the Arts & Creativity Lab, (Department) 2014; 2017

Moore Scholars Program admissions committee (Department), committee member, 2013

Doctoral Research Committee (Department), committee member, 2012-2013

Fischer (STEAM) Middle School Research and Professional Development (Department), team member, 2012-2013

Early Childhood interdisciplinary arts course development (University of Wisconsin—Madison, School of Education, Elementary and Early Childhood Education), 2010-2011

LessonShare Project, online pilot program for Teaching Assistants to share curricular content across the School of Education (University of Wisconsin—Madison, School of Education, Teacher Education), 2009

Community Service

Guest arts teacher for La France Elementary School's Arts Day, June 3, 2019 (invited for 2020, but cancelled due to COVID 19 Pandemic)

Presenter at Artisphere: Art Festival in Greenville, SC for Clemson University's STEAM Exhibit: Exploring Art & Technology on Creative Movement and Virtual Environment Interactions (VEnvI), 2014; 2015

Presenter at Stone Academy of Communication Arts in Greenville, SC at Science Fun Day on Creative Movement and Virtual Environment Interactions (VEnvI), 2014.

Professional Affiliations (current and past)

- American Educational Research Association
  - Division B: Curriculum Studies
  - Division K: Teacher Education
  - Division G: Social Context of Education
  - SIG: Arts & Inquiry in the Visual and Performing Arts
  - SIG: Arts and Learning
  - SIG: Critical Issues in Curriculum and Cultural Studies
  - SIG: Technology, Instruction, Cognition, and Learning
- Association of Health, Physical Education, Recreation, & Dance
- National Art Education Association
- National Association of Multicultural Education
- National Dance Education Organization
- Palmetto State Arts Education
- South Carolina Association of Health, Physical Education, Recreation, & Dance
- US Play Coalition

Choreography/Performance

Choreographer, Clemson Players, Bright Star, Brooks Center, February 2020

Speaker/performer, TEDxYouth @ Columbia, SC, *You are all dancers,*
Irmo High School, March 18, 2017

Choreographer, Clemson Players, *She Loves Me,* Brook's Center, February 18-21, 2016

Dancer, UW-Madison dance Faculty Concert, choreography by Karen McShane-Hellenbrand at the Margaret H'Doubler Theatre, Lathrop Hall, Madison, WI, to be performed February, 2012

Performer, Staged reading of *Being Harold Pinter*, performance directed by Andy Wiginton for Free Belarus Project sponsored by UW-Madison Department of Theatre and Drama and the Center for Russia, East Europe and Central Asia (CREECA) at Hemsley Theatre, Madison, WI 2011

Choreographer/Performer, *#29*, for Bare Bones Dance Collective, performed in Madison, WI, 2010

Dancer, Bare Bones Dance Collective, performance in choreography by Kate Hewson, Madison, WI, 2010

Choreographer/Performer, *A bit of bubbly* for Danceworks Summer Series DanceLAB event, *Art to Art*, showcasing selected independent choreographers working with collaborating artists for other media, Milwaukee, WI, 2010

Dancer/Performer, Independent Artists, performed and assisted in the creation of various choreographic works and productions by the following choreographers, Milwaukee, WI, 2003-2009:

- Sofi Askenazi, at Danceworks, Inc. and University Of Wisconsin-Milwaukee's Peck
  School of the Arts Mainstage Theatre
- Paula Biasi, at Off-Broadway Theatre and University of Wisconsin-Milwaukee
- Suniti Dernovsek, at Off-Broadway Theatre
- Kate Kuper, at University Of Wisconsin-Milwaukee's Peck School of the Arts Mainstage Theatre
- Monica Rodero, at Danceworks, Inc.
- Dan Schuchart, at Danceworks, Inc.
- Katie Sopoci, at Danceworks, Inc. and Milwaukee Art Museum

Dance Company Member & touring member, Wild Space Dance Company, performed and assisted in the creation of Wild Space Dance Productions and promotional appearances, 2003-2007

Choreographer/Performer, *I go, you go, we go* for Danceworks Summer Series DanceLAB event, *Causing Effect*, showcasing selected independent choreographer, Milwaukee, WI, 2008

Outreach Choreographer for Grades 1-12, Wild Space Dance Company, Milwaukee, WI, 2003-2007

Outreach Choreographer for Grades K-6, Danceworks, INC., Milwaukee, WI, 2006-2007

Choreographer/Performer, *Evolution of the Neighborhood* for Danceworks Summer series DanceLAB event, *Art to Art*, showcasing selected independent choreographers, Milwaukee, WI, 2007

Choreographer for Theatre Department's production of *Everyman*, University Of Wisconsin-Fond Du Lac, Fond Du Lac, WI, 2007

Choreographer, Shorewood High School production of *Urinetown*, Shorewood, WI, 2006
Dancer/Performer, in *Baile de las debutantes*, a multimedia performance filmed in various site specific locations, choreography by Alexandra J. Monzón, Brooklyn, NY, 2006
Choreographer/Performer, *Intersecting at 360 Degrees* at the NYU Performance Studies Studio 620, New York, NY, 2006
Choreographer/Performer, multiple original works at the University of Minneapolis Barbara Barker Center for Dance, 2000-2003
Choreographer/Performer, *Más* at La Fundación Ortega y Gasset in Toledo, Spain, 2002
Dancer, *Crossing the Black Water*, Cloudgate Dance Company, University of Minnesota, Barbara Barker Center for Dance, 2002
Dancer, *Finding Your Way*, Paula Mann, University of Minnesota, Barbara Barker Center for Dance, 2001
Actress, *Wedding on the Eiffel Tower*, Jean Cocteau, University of Minnesota, X-perimental Theatre, 2000

News & Media Coverage

Staton, M. (April 20, 2017). Inaugural forum highlights nationally recognized research in Clemson's college of education. *The Newsstand*. Retrieved from http://newsstand.clemson.edu/inaugural-forum-highlights-nationally-recognized-research-in-clemsons-college-of-education/

n.a. (June 9, 2016). National science foundation recognizes Clemson research team for video linking creative movement to computer programming instruction. *Communications of the ASM*. Retrieved from https://cacm.acm.org/news/203327-national-science-foundation-recognizes-clemson-research-team-for-video-linking-creative-movement-to-computer-programming-instruction/fulltext

Ravipati, S. (June 2, 2016). Students learn computer programming skills through dance. *The journal: Transforming education through technology*. Retrieved from https://thejournal.com/articles/2016/06/02/students-learn-computer-programming-skills-through-dance.aspx

Staton, M. (June 2, 2016). National Science Foundation recognizes Clemson research team for video linking creative movement to computer programming instruction. *The Newsstand*. Retrieved from http://newsstand.clemson.edu/national-science-foundation-recognizes-clemson-research-team-for-video-linking-creative-movement-to-computer-programming-instruction-2/

Staton, M. (February 15, 2016). School of education faculty and students work with Clemson Players on upcoming musical. *The Newsstand*. Retrieved from http://newsstand.clemson.edu/school-of-education-faculty-and-students-work-with-clemson-players-on-upcoming-musical/

Eads, M. (2015, June 19,). Campers mix dancing and computing. The Independent Mail. Retrieved from http://archive.independentmail.com/news/campers-mix-dancing-and-computing-ep-1148568102-348255811.html/

n.a. (March 5, 2015). The untapped reserves that will keep us competitive. *UBJ INNOVATE*. Retrieved from https://upstatebusinessjournal.com/innovate/untapped-reserves-will-keep-us-competitive/

deLaBruere, L. (March 4, 2015). Day 62: Shall we dance? Coding and choreography. Tech Savvy Girls. Retrieved from http://techsavvygirls.blogspot.com/2015/03/day-62-shall-we-dance-coding-and.html?m=0

Ramachandran, V. (January 19, 2015). Bridging tech's gender gap with dance. USA Today. Retrieved from https://www.usatoday.com/story/tech/personal/2015/01/19/ozy-bridging-tech-gender-gap-with-dance/21994449/

Reuben, I. P. (2013/2014). Choreography improves girls' computational skills. *Science in Brief, Engineering Forum News.* Retrieved from http://www.hkengineer.org.hk/program/home/articlelist.php?cat=article&volid=174

n.a. (November, 2014). Improving women's computer skills through movement technology. *KISTI.* Retrieved from http://mirian.kisti.re.kr/gtb_trend/pop_gtb_v.jsp?record_no=252708&site_code=SS1021

Mason, A. D. (November 26, 2014). Movement improves girls' computational skills. *XSEDE: Extreme Science & Engineering Discovery Environment.* Retrieved from https://portal.xsede.org/web/guest/education-outreach-blog/-/blogs/817390?_33_redirect=%2Fweb%2Fguest%2Feducation-outreach-blog%2F-%2Fblogs

n.a. (November 12, 2014). Shaping Sound, Carrie Underwood, Daniel Radcliffe, Pennsylvania Ballet, OK Go, Episode 207. *Dance Plug Network.* Retrieved from https://www.youtube.com/watch?v=r24NMStSfhc

Shank, J. (November 7, 2014). Can girls dance their way toward computer programming careers? *Nation Swell.* Retrieved from http://nationswell.com/dance-can-increase-girls-stem-interest/

Khusainov, R. (November 6, 2014). Choreography improved computing capacities for girls. *Medical Insider, Russia.* Retrieved from http://medicalinsider.ru/news/4152-khoreografiya-uluchshaet-vychislitelnye-sposobnosti-u-devochek/

De Bruyckere, P. (November 4, 2014). Blending movement and computer programming to support girls in building computational skills. The Economy of Meaning. Retrieved from https://theeconomyofmeaning.com/2014/11/04/blending-movement-and-computer-programming-to-support-girls-in-building-computational-thinking-skills/

n.a. (November 4, 2014). Dance helps girls win at computing. *Channel Eye, UK.* Retrieved from http://channeleye.co.uk/?s=Dance+helps+girls+win+at+computing

n.a. (November 3, 2014). Dance choreography improves girls' computational skills. *Science Codex.* Retrieved from http://www.sciencecodex.com/dance_choreography_improves_girls_computational_skills-144745

Olson, S. (November 3, 2014). Female Students' Computer Skills Improve With Dance Choreography. *Medical Daily.* Retrieved from http://www.medicaldaily.com/female-students-computer-skills-improve-dance-choreography-309130

Griffin, C. (November 3, 2014). Dance choreography may improve computational skills. *Science World Report.* Retrieved from http://www.scienceworldreport.com/articles/18552/20141103/dance-choreography-improve-computational-skills.htm

n.a. (November 3, 2014). Dance choreography improves girls' computational skills. *Phys.org.* Retrieved from https://phys.org/news/2014-11-choreography-girls-skills.html

Vargas, M. L. (November 3, 2014). Dance and programming can attract girls to computer careers. *La nación.* Retrieved from http://www.nacion.com/tecnologia/programacion-ninas-STEM_0_1449055235.html

n.a. (November 3, 2014). Dança coreografia melhora as habilidades computacionais das meninas. *Kaniala.com*. Retrieved from http://www.kaniala.com/danca-coreografia-melhora-as-habilidades-computacionais-das-meninas/

n.a. (November 3, 2014). Dance choreography improves girls' computer skills. *Topkafa.* Retrieved from http://www.croma440.com/coreografia-de-danza-mejora-las-habilidades-computacionales-ninas/

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n.a. (November 3, 2014). Chorégraphie de danse améliore les compétences de calcul des filles. *Preemodj.com.* Retrieved from http://www.preemodj.com/choregraphie-de-danse-ameliore-les-competences-de-calcul-des-filles/

Mullen, B. M. (November 3, 2014). Movement improves girls' computational thinking. The Newsstand. Retrieved from http://newsstand.clemson.edu/mediarelations/dance-choreography- improves-girls-computational-skills/

Williams, H. C. (October 21, 2014). Morph meets the eye. The Newsstand. Retrieved from http://newsstand.clemson.edu/shaundra-daily-designs-and-evaluates-computer-programs-that-make-a-difference-in-our-everyday-lives-head-on/

Alongi, P. (May 15, 2014). Clemson University brings together technology and art at Artisphere. *The Newsstand.* Retrieved from http://newsstand.clemson.edu/clemson-university-brings-together-technology-and-art-at-artisphere/

Alongi, P. (February 26, 2014). Virtual-reality teaching method involves "Cha Cha Slide.' *The Newsstand.* Retrieved from http://newsstand.clemson.edu/mediarelations/virtual-reality-teaching-method-involves-cha-cha-slide/

Boyles, C. (August 24, 2013). A bias for innovation. *Clemson World.* Retrieved from http://clemson.world/a-bias-innovation/