

Franklin S. Allaire, Ph.D.
Assistant Professor
Department of Urban Education
University of Houston - Downtown
One Main Street, Houston, Texas 77002-1001

Education

Ph.D. 2014, University of Hawai‘i at Mānoa, HI. Educational Foundations
Dissertation: *All Knowledge Is Not Taught In The Same School: A Multiple-Case Study on the Navigation of the Personal, Cultural, and Professional Identities of Native Hawaiian Members of Hawai‘i’s Science, Technology, Engineering, and Mathematics Community.*

M.Ed. 2007, University of Hawai‘i at Mānoa, HI. Educational Foundations
Thesis: *Science Education and Native Hawaiian Peoples: A Study of the Dis/Connection Between Science Teaching and Being Native Hawaiian.*

B.S. 2000, Delaware Valley University (College), PA. Major in Secondary Education with emphasis on Chemistry; Minor in Psychology

Accreditations

Human Subjects

IRB Committee – Basic/Refresher by CITI Program

IRB Committee – Responsible Conduct of Research by CITI Program

Protecting Human Research Participants Certification by National Institutes of Health

SBR Investigators – Basic/Refresher by CITI Program

SBR Investigators – Responsible Conduct of Research Stage 1 RCR by CITI Program

Science Safety

Middle School Laboratory Safety Certification by Flinn Scientific, Inc.

Revised OSHA Hazard Communication Certification by Flinn Scientific, Inc.

Teaching Experience: Institutions of Higher Education

University of Houston-Downtown (August, 2016-Present)

Assistant Professor (2016-Present)

EED 3315: Effective Teaching Strategies in Science Education: EC-6

EED 3325: Effective Teaching Strategies in Science Education: 4-8

PED 3315: Inquiry Methods for Science Teaching; 4-8

MAT 5303: Science Methods for Students in Grades EC-8

SED 3315: Effective Teaching Strategies in Science Education: 7-12

SOSE 3306: Culture in Urban Schools

University of Hawai‘i at Mānoa (Spring 2011)

Instructor

ITE 604: Seminar and Field Experience II

Teaching Experience: Public School

Kalani High School (2007-2016)

Science Department Head (2013-2016)

Grade 9/10: Biology & Honors Biology

Grade 11/12: Chemistry & Honors Chemistry
Grade 11/12: Human Physiology
Grade 9: Integrated Science
Grade 9: Physical Science

Kapolei High School (2005-2007)

Grade 11/12: Chemistry
Grade 11/12: Environmental Science
Grade 11/12: Human Physiology

Nanakuli High School (2000-2005)

Grade 11/12: Chemistry
Grade 9: Physical Science

Teaching Experience: Private School

Island Pacific Academy (Summer 2003 & 2004)
Grade 5-10: Science Enrichment Program

Teaching and Instructional Support

Texas Science Olympiad (Fall 2017)
Coaches Workshop – Write It Do It

University of Hawai‘i at Mānoa (Spring 2010)
Intern Mentor

Publications

Books and Book Chapters

Fugate, C.M. and Allaire, F.S. (In Press). Meeting the Cognitive, Behavioral, and Social-Emotional Needs of Students Through the Use of Technology in the Classroom. In J. Nath and I. Chen (Ed.), *Technology in the Classroom* (2nd ed.).

Wong, S.S, Bahng, E.J, and Allaire, F.S. (In Press). Teaching Science with Technology. In J. Nath and I. Chen (Ed.), *Technology in the Classroom* (2nd ed.).

Allaire, F. S. (2014). Person of Interest: The Machine, Gilles Deleuze, and a Thousand Plateaus of Identity. In P. B. a. R. Arp (Ed.), *The Philosophy of J.J. Abrams* (pp. 33-45). Lexington, KY: The University Press of Kentucky.

Allaire, F.S. (2013). “Cliff Lost on Jeopardy Baby!” In S. Young (Ed.), *Jeopardy! and Philosophy*. Chicago, IL: Open Court.

Allaire, F.S. (2012). “The Only Good Walker Is A Dead Walker.” In W. Yuen (Ed.), *The Walking Dead and Philosophy*. Chicago, IL: Open Court.

Articles in Peer Reviewed Journals

Allaire, F.S. (In Press). “Cobern and Loving's Card Exchange Revisited: Using Literacy Strategies to Support and Enhance Teacher Candidates' Understanding of NOS. *Innovations in Science Teacher Education*.

Allaire, F.S. (In press). “Themes from a Narrative Analysis of Native Hawaiian Experiences in Science, Technology, Engineering, and Mathematics.” *Journal of Ethnographic and Qualitative Research*.

Allaire, F.S. (2017). "Navigating Uncharted Waters: First-Generation Native Hawaiian College Students in Science." *Journal of College Student Retention: Research, Theory & Practice*.

Allaire, F.S. (2013). "Navigating Rough Waters: Hawaiian Science Teachers Discuss Identity." *Educational Perspectives* 46(1&2): 31-39.

Works in Progress

Allaire, F.S. (In progress). He 'ike papalua: Native Hawaiians in STEM Living at the Intersection of Cultural and Professional Identities.

Allaire, F.S. (In progress). Semester Interrupted: Freshmen Responses to Hurricane Harvey's Impact on their First Semester in College.

Allaire, F.S. & Yanes, L. (In progress). Building Elementary Teacher Candidates' Reflective Practice and Science Self-Efficacy Through Digital Self-Recordings – A Pilot Study.

Conference Presentations, Proceedings, and Papers

International Conferences:

Allaire, F.S. (2018, January). *Longitudinal Study on Teaching Identity Development with Students in an Urban University Education Program*. Roundtable presentation at the 16th Annual Hawaii International Conference on Education, Honolulu, HI.

Allaire, F.S. (2016, January). *The Navigation of Personal, Cultural, and Professional Identities of Native Hawaiian members of the STEM Community: A Multiple Case Study*. Paper presented at the 14th Annual Hawaii International Conference on Education, Honolulu, HI.

National Conferences:

Allaire, F.S. (2018, February). *Semester Interrupted: Freshmen Responses to Hurricane Harvey's Impact on their First Semester in College*. Poster presented at the 30th Annual Ethnographic and Qualitative Research Conference (EQRC), Las Vegas, NV.

Allaire, F.S. & Ntemngwa, C. (2018, February). *Using the Teacher Emotional Scales (TES) to measure pre-service teachers' emotions related to in-class science lessons*. Paper presented at the 21st Annual American Association of Behavioral and Social Sciences (AABSS) Conference, Las Vegas, NV.

Allaire, F.S. & Yanes, L. (2018, February). *Developing elementary science teaching efficacy through critical self-analysis of digitally recorded lessons*. Paper presented at the 2nd Annual Conference on Academic Research in Education (CARE), Las Vegas, NV.

Allaire, F.S. (2017, October). *Being Public as Part of the Ceremony of Research*. Paper accepted to the Oral History Association Annual Meeting, Minneapolis, MN.

Allaire, F.S. (2017, January). *Multiple-Case Study on the Navigation of Personal, Cultural, and Professional Identities of Native Hawaiian Members of the STEM Community*. Paper presented at the 29th Annual Ethnographic and Qualitative Research Conference (EQRC), Las Vegas, NV.

State Conferences:

Allaire, F.S. (2018, June). *Building Elementary Science Teaching Efficacy through Self Analysis of Digitally Recorded Lessons: A pilot study*. Paper presented at the 2018 Texas Association of Teacher Educators (TxATE) Summer Conference, Austin, TX.

Allaire, F.S. (2018, April). *Semester Interrupted: Freshmen Responses to Hurricane Harvey's Impact on their First Semester in College*. Paper presented at the 7th Annual Texas Oral History Association (TOHA) Conference, College Station, TX.

Pohl, B., Allaire, F.S., & Miller, D.M. (2018, January). *Transforming the Typical: Literacy Engagement in the Content Areas*. Roundtable presentation at the 53rd Annual Texas Council of Teachers of English Language Arts (TCTELA), Galveston, TX.

Other Presentations:

Allaire, F.S. (2018, March). *Exploring UHD Students' Teacher Identity Construction Longitudinally*. Presentation at the University of Houston-Downtown's 1st Annual Scholarly and Creative Showcase, Houston, TX.

Allaire, F.S., Kamas, A., Ntemngwa, C., & Shanklin-Miles, A. (2018, April). *Enhancing Science Methods for Pre-Service Teachers through NASA's STEM on Station Program*. Poster presented at the University of Houston-Downtown's High Impact Practices and Community Engagement Showcase, Houston, TX.

Service

Professional Service:

Book Chapter Editor for "Emerging Trends in Cyber Ethics and Distance Learning"
Conference Reviewer – American Education Research Association (2018)
Conference Reviewer – Conference for the Advancement of Science Teaching (2017)
Conference Reviewer – National Association for Research in Science Teaching (2018)
Editorial Board – Journal of Urban Learning, Teaching, and Research (2018)

University Service:

2nd Year Transition Sub-Committee (Fall 2016)
Committee on Protection of Human Subjects (Fall 2017 – Present)
General Education Committee (Fall 2017 – Present)
Wellness Committee (2016 – Present)

College and Department Service:

Annual Evaluation Rubric "Teaching" Sub-Committee (Fall/Spring 2017)
CPS Internal Funding CIA/SIA Grant Committee – Chair (Spring 2018 – Present)
MAT Sub-Committee on Capstone Project Requirements (Fall 2017)
Presidential Initiative - NASA/UHD Downlink Committee – Chair (AY 2017 - 2018)
Search Committee for Tenure-Track Assistant Professor, Literacy with Emphasis in Early Childhood (AY 2017-2018)

Community Service:

National Science Olympiad
Event Supervisor (Invasive Species B) at 2016 National Science Olympiad
Event Supervisor (Invasive Species B) at 2017 National Science Olympiad
Event Supervisor (Mystery Architecture B) at 2018 National Science Olympiad
Texas Science Olympiad
Texas Coaches Workshop (Write It Do It B) at Texas A&M University
2018 Rice University Invitational Science Olympiad – Appeals/Score Counseling
Event Supervisor (Write It Do It B) at 2018 Texas State Finals

Grants

- 2018 *L. Yanes Participation and Presentation in 2nd Annual Conference on Academic Research in Education* funded by UHD College of Public Service Conference Attendance and Research Experience for Students (CARES); Faculty Sponsor
- 2017 *Exploring Teacher Identity Construction and Negotiation: A Longitudinal Study* funded by UHD College of Public Service Scholarly Innovation Award (SIA); Principal Investigator
- 2017 *UHD Science is Out of this World!* funded by UHD College of Public Service Curriculum Innovation Award (CIA); Principal Investigator.
- 2014 *Hawai'i State Science Olympiad* funded by Annie Sinclair Knudsen Memorial Fund (\$2,500); Principal Investigator.
- 2014 *Hawai'i State Science Olympiad* funded by Kukio Community Fund (\$8,000); Principal Investigator.
- 2014 *Hawai'i State Science Olympiad* funded by GuavaGar Westfall Kauai Fund (\$5,000); Principal Investigator.
- 2013 *Give Aloha for the Holidays for Hawai'i State Science Olympiad* funded by Harry & Jeannette Weinberg Foundation (\$10,000).
- 2013 *Moloka'i Science Initiative for Hawai'i State Science Olympiad* funded by Dow AgroSciences (\$5,000); Principal Investigator.
- 2013 *Creating STEM Superstars through Science Olympiad* funded by First Hawaiian Bank (\$5,000); Co-Principal Investigator.
- 2013 *Creating STEM Superstars through Science Olympiad* funded by Central Pacific Bank (\$5,000); Co-Principal Investigator.
- 2011 *Maui Science Initiative for Hawai'i State Science Olympiad* funded by Maui Economic Development Board (MEDB) Ke Ahahele Grant (\$5,000); Co-Principal Investigator.
- 2011 *Creating STEM Superstars through Science Olympiad* funded by Armed Forces Communications and Electronics Association (AFCEA) Grant (\$5,000); Co-Principal Investigator.
- 2010 *Supporting STEM Success in Science Olympiad: Hawai'i State Science Olympiad* funded by American Recovery and Reinvestment Act (ARRA) State Fiscal Stabilization Funds (SFSF) (\$304,158); Principal Investigator.
- 2009 *Science Resource / Workroom for Kalani High School* funded by the Public Schools of Hawaii Foundation (\$2,900); Co-Principal Investigator
- 2008 *Neighbor Island Science Initiative: Hawai'i State Science Olympiad* funded by the Walmart Foundation (\$10,000); Principal Investigator.
- 2008 *Rural and Neighbor Island Science Initiative: Hawai'i State Science Olympiad* funded by the Atherton Family Foundation (\$4,200); Principal Investigator.
- 2008 *Science Teacher Training in Science Olympiad: Hawai'i State Science Olympiad* funded by the Monsanto Fund (\$5,000); Principal Investigator.

Honors, Awards

2016 Distinguished Service Award (Hawaii State Science Olympiad)
2014 STEM Leadership Award (Hawaii State Science Olympiad)
2013 Presidential Award for Excellence in Math and Science Teaching Nominee
2012 Secondary Science Teacher of the Year (Hawaii Science Teacher's Association)
2008 Heart of Gold Service Award (National Science Olympiad)
1999 Founder's Day Award Nominee (Delaware Valley College)
1997 Vigil Honor in the Order of the Arrow (Boy Scouts of America)
1995 Eagle Scout (Boy Scouts of America)

Professional Affiliations

Alpha Phi Omega Service Fraternity – Lifetime Member
American Educational Research Association
National Science Olympiad
National Science Teachers Association
Pi Lambda Theta National Honor Society of Educators
Science Teachers Association of Texas
Texas Science Education Leadership Association