

Alexandra Coso Strong
School of Universal Computing, Construction, and Engineering Education
STEM Transformation Institute
Secondary Appointment in Mechanical and Materials Engineering

EDUCATION

Degree	Institution	Field	Date
Ph.D.	Georgia Institute of Technology	Aerospace Engineering	May 2014
M.S.	University of Virginia	Systems Engineering	August 2010
B.S.	Massachusetts Institute of Technology	Aerospace Engineering	June 2007

FULL-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates (Month & Year)
Florida International University	Assistant Professor	Engineering Education	August 2018 - Present
Olin College of Engineering	Assistant Professor	Systems Design and Engineering	August 2015 – August 2018
Georgia Institute of Technology	Postdoctoral Scholar	Center for Enhancement of Teaching and Learning	May 2014 – July 2015

NON-ACADEMIC EXPERIENCE

Place of Employment	Title	Dates
Boeing Commercial	NSF Engineering Innovation Fellow	June 2012 – August 2012

EMPLOYMENT RECORD AT FIU

Rank	Dates
Assistant Professor	08/2018 – Present

PUBLICATIONS IN DISCIPLINE

Journal Articles [3 PR, 2 NPR]

- [In press] **Coso Strong, A.** and Sekayi, D. (2018). "Exercising professional autonomy: Doctoral students' preparation for academic careers." *Studies in Graduate and Postdoctoral Education*. 1-28. Double-spaced. 2018
- [NPR] **Coso Strong, A.** & Lynch, C. (2018) "Learning from a Moonshot: What Next for College Summer Reading?" *The New England Journal of Higher Education*. 2018
- [NPR] Pritchett, A. & **Coso Strong, A.** (2016) "Integrating Cognitive Engineering into Industry Design Teams" *Journal of Cognitive Engineering and Decision Making*. Vol. 10, No. 2, pp.134-137 2016
- Coso, A.** and Pritchett, A. (2015) "The Role of Design Teams in the Integration of Stakeholder Considerations." *Journal of Aircraft*. Vol. 52 (4), pp. 1136-1145. 2015

Rowan-Kenyon, H., **Coso, A.**, Swan, A., Bailey, R., and Creager, M.F. 2012
(2012) "The Role of Gender in Student Perceptions of Leadership on
Interdisciplinary Engineering Teams." *Journal of Women and Minorities in
Science and Engineering*. Vol. 18 (2)

Conference Proceedings [29 PR, 9 NPR] (*Undergraduate student advisee, †Best Paper Award)

Govindasamy, S., Christianson, R., Geddes, J., Lee, C., Michalka, S., Ruvolo, P., Oct. 2018
Somerville, M., and **Coso Strong, A.** (2018) "Work-In-Progress: A
Contextualized, Experiential Learning Approach to Quantitative Engineering
Analysis." American Society for Engineering Education/IEEE: Proceedings of the
ASEE/IEEE Frontiers in Education Conference. San Jose, CA.

[NPR] **Coso Strong, A.**, Lande, M., and Adams, R. (2018) "Special Session: Oct. 2018
Put me in coach! Developing a design playbook for instructors to help engineering
students do design." American Society for Engineering Education/IEEE:
Proceedings of the ASEE/IEEE Frontiers in Education Conference. San Jose, CA.

[NPR] Brunhaver, S., Jesiek, B., **Coso Strong, A.**, Korte, R., and Stevens, R. Oct. 2018
(2018) "Special Session: Research on Engineering Practice: Catalyzing a
Scholarly Community" American Society for Engineering Education/IEEE:
Proceedings of the ASEE/IEEE Frontiers in Education Conference. San Jose, CA.

Coso Strong, A., Smith-Orr, C., Bodnar, C., Lee, W., Faber, C., and McCave, E., June 2018
(2018). "Developing a Critical Incident-Centered Transition Theory Framework to
Explore Engineering Education Research Faculty Transitions." American Society
for Engineering Education: Proceedings of the 2018 ASEE Annual Conference
and Exposition. Salt Lake City, UT.

[NPR] McCave, E., Faber, C., Bodnar, C., Lee, W., Smith-Orr, C., and **Coso** June 2018
Strong, A. (2018) "Collaborative Research: Supporting Agency among Early
Career Engineering Education Faculty in Diverse Institutional Contexts American
Society for Engineering Education: Proceedings of the 2018 ASEE Annual
Conference and Exposition. Salt Lake City, UT

Sarang-Sieminski, A., Michalka, S., **Coso Strong, A.**, and Woodard, J. (2018) May 2018
"Winning Day One: Setting Up Capstone Students for Success." Proceedings of
the 2018 Capstone Design Conference. Rochester, NY

Cieminski, M.* and **Coso Strong, A.** (2017). "An Exploratory Study of Power June 2017
Dynamics and Feedback in Design Reviews." American Society for Engineering
Education: Proceedings of the 2017 ASEE Annual Conference and Exposition.
Columbus, OH.

Meyer, S.* and **Coso Strong, A.** (2017). "Iterating on Students' Perceptions of June 2017
Iteration in the Design Process: An Exploratory Study." American Society for
Engineering Education: Proceedings of the 2017 ASEE Annual Conference and

Exposition. Columbus, OH.

Stockman, T.*, Kincaid, C.*, Heale, T.*, Meyer, S.*, and **Coso Strong, A.** (2017). "Preparing Students for a Collaborative Engineering Design Work Environment: A Study of Practicing Engineers." American Society for Engineering Education: Proceedings of the 2017 ASEE Annual Conference and Exposition. Columbus, OH. June 2017

Faber, C., Smith-Orr, C., Bodnar, C., **Coso Strong, A.**, Lee, W., and McCave, E., (2017). "Best Practices for Developing a Virtual Peer Mentoring Community." American Society for Engineering Education: Proceedings of the 2017 ASEE Annual Conference and Exposition. Columbus, OH. June 2017

Solis, F., **Coso Strong, A.**, Adams, R., Turns, J., and Crismond, D. (2016) "Towards a Scholarship of Integration: Lessons from Four Cases." American Society for Engineering Education: Proceedings of the 2016 ASEE Annual Conference and Exposition. New Orleans, LA. June 2016

Faber, C., Bodnar, C., **Coso Strong, A.**, Lee, W., McCave, E., and Smith, C. (2016) "Narrating the experiences of first-year faculty in Engineering Education Research Community: Developing a qualitative, collaborative research methodology." American Society for Engineering Education: Proceedings of the 2016 ASEE Annual Conference and Exposition. New Orleans, LA. June 2016

Coso Strong, A., Chua, M., and Cutler, S. (2016) "Talking 'faculty development' with engineering educators, then talking 'engineering education' with faculty developers: A collaborative reflection on working across communities." American Society for Engineering Education: Proceedings of the 2016 ASEE Annual Conference and Exposition. New Orleans, LA. June 2016

[NPR] Chua, M., Cutler, S., and **Coso Strong, A.** (2015) "Using the Engineering Design Process to Reflect on STEM Outreach." Proceedings of the Professional and Organizational Development Network Annual Meeting. San Francisco, CA. Nov. 2015

[NPR] Cutler, S., **Coso Strong, A.**, and Chua, M. (2015) "Special Session: Exploring the black box of dissemination: The role of professional and organizational development." Proceedings of Frontiers in Education Conference. El Paso, TX. Oct. 2015

Coso, A. and Sekayi, D. (2015) "Exploring the Role of Institutional Climate in Preparing Engineering Doctoral Students for Academic Careers." American Society for Engineering Education: Proceedings of the 2015 ASEE Annual Conference and Exposition. Seattle, WA. June 2015

Coso, A., Watson, M.K., and Llewellyn, D. (2015) "What makes an Undergraduate Course Impactful? An Examination of Students' Perceptions of Instructional Environments." American Society for Engineering Education: Proceedings of the 2015 ASEE Annual Conference and Exposition. Seattle, WA. June 2015

- Sekayi, D. and **Coso, A.** (2015) "Moving in to the Professoriate: A Case Study of a Program for Students Pursuing Faculty Careers at a Research-Focused University." American Educational Research Association Annual Meeting. Chicago, IL. April 2015
- Newstetter, W.C., Le Doux, J.M., Waller, A.A., **Coso, A.**, Koretsky, M.D., and Champagne, A.B. (2014) "Building dispositions towards models and model-based reasoning in engineering education." American Society for Engineering Education/IEEE: Proceedings of the 44th ASEE/IEEE Frontiers in Education Conference. Madrid, Spain Oct. 2014
- Fleming, S.B. and **Coso, A.** (2014) "Viewing an Interdisciplinary Human-Centered Design Course as a Multiteam System: Perspectives on Cooperation and Information Sharing." Proceedings of the 10th Design Thinking Research Symposium. West Lafayette, IN. Oct. 2014
- [NPR] Sekayi, D. and **Coso, A.** (2014) "Moving toward Professional Self-Authorship: A Case Study of Graduate Students in a Program for Students Pursuing Faculty Careers." Proceedings of the Georgia Educational Research Association Annual Conference. Savannah, GA Oct. 2014
- Coso, A.** and Pritchett, A. (2014) "The Development of a Rubric to Evaluate and Promote Students' Integration of Stakeholder Considerations into the Engineering Design Process." American Society for Engineering Education: Proceedings of the 2014 ASEE Annual Conference and Exposition. Indianapolis, IN June 2014
- Rathore, G., **Coso, A.**, and Carberry, A. (2014) "Engaging ASEE Student Membership through the Creation of a Student-Inclusive ASEE Program." American Society for Engineering Education: Proceedings of the 2014 ASEE Annual Conference and Exposition. Indianapolis, IN June 2014
- [NPR] **Coso, A.** and Pritchett, A. (2014) "Incorporating Stakeholder Considerations in the Aircraft Design Process: A Focus on Aircraft Design Education." Proceedings of AIAA SciTech. National Harbor, MD. Jan. 2014
- Coso, A.** and Pritchett, A. (2013) "The Integration of Stakeholder Requirements within Aerospace Engineering Design Education." American Society for Engineering Education: Proceedings of the 2013 ASEE Annual Conference and Exposition. Atlanta, GA. June 2013
- Watson, M.K. and **Coso, A.** (2013) "Examining Graduate Students' Philosophies of Education: An Exploratory Study." American Society for Engineering Education: Proceedings of the 2013 ASEE Annual Conference and Exposition. Atlanta, GA. June 2013
- [NPR] **Coso, A.** and Pritchett, A. (2013) "Stakeholder Requirements in the Context of Aerospace Vehicle Systems Design: Implications for Engineering Education and Industry." Proceedings of the 2013 Georgia Tech STEM Education Research Expo. Feb. 2013

- ¹Bailey, R., Dugan, J., **Coso, A.**, and McFarland, M. (2012) "ECE/SYS Integration: Early Findings on Graduates from a Multi-year Curriculum focused on Technology Systems Integration." American Society for Engineering Education: Proceedings of the 2012 ASEE Annual Conference and Exposition. San Antonio, TX. June 2012
- Coso, A.**, Louis, R., London, J., Ngambeki, I., and Sattler, B. (2012) "Exploring the Reasons for Collaboration and Cooperation among Graduate Student Researchers." American Society for Engineering Education: Proceedings of the 2012 ASEE Annual Conference and Exposition. San Antonio, TX. June 2012
- Coso, A.**, Fleming, E., and Pritchett, A. (2011) "Characterizing Pilots' Interactions with the Aircraft Collision Avoidance System." Proceedings of the 16th International Symposium on Aviation Psychology. Dayton, OH. Oct. 2011
- Coso, A.** and Bailey, R. (2011) "The Effect of Previous Team Experiences on Students' Perceptions of Interdisciplinary Engineering Problems." American Society for Engineering Education: Proceedings of the 2011 ASEE Annual Conference and Exposition. Vancouver, B.C. June 2011
- Bailey, R., **Coso, A.**, Rowan-Kenyon, H., Cabral, M., Dugan, J., and Creager, M. (2011) "Principles and Strategies for Developing and Implementing an Interdisciplinary Undergraduate Curriculum". American Society for Engineering Education: Proceedings of the 2011 ASEE Annual Conference and Exposition. Vancouver, B.C. June 2011
- Carberry, A., Bumblauskas, D., **Coso, A.**, and Torres-Ayala, A. (2011) "Student Satisfaction with ASEE Activities and its Impact on ASEE Student Membership." American Society for Engineering Education: Proceedings of the 2011 ASEE Annual Conference and Exposition. Vancouver, B.C. June 2011
- [NPR] Quinlan, O., Van Dyk, R., **Coso, A.**, and Bailey, R., (2011) "Improving the Labeling Process of an Argentine Winery by Reducing Time to Shipment." Proceedings of the 2011 IEEE Systems and Information Engineering Design Symposium. Charlottesville, VA. May 2011
- Rowan-Kenyon, H., **Coso, A.**, Swan, A., Bailey, R., and Shoffner, M. (2010) "Students' Perceptions of Leadership on Interdisciplinary Engineering Teams." Association for the Study of Higher Education: Proceedings of 2010 ASHE Annual Conference. Indianapolis, IN. Nov 2010
- Coso, A.**, Bailey, R., and Minzenmayer, E. (2010) "How to Approach an Interdisciplinary Engineering Problem: Characterizing Undergraduate Engineering Students' Perceptions." American Society for Engineering Education/IEEE: Proceedings of the 40th ASEE/IEEE Frontiers in Education Conference. Washington, D.C. Oct. 2010
- Coso, A.** and Bailey, R. (2010) "Examining Students' Perceptions of June 2010

Interdisciplinarity Based on Gender and Disciplinary Affiliation.” American Society for Engineering Education: Proceedings of the 2010 ASEE Annual Conference and Exposition. Louisville, KY.

Bailey, R., Rowan-Kenyon, H., Swan, A., Shoffner, M., and **Coso, A.** (2010). June 2010
 “Implementing an Interdisciplinary Engineering Program – Recruiting Students, Building Courses, Developing a Community.” American Society for Engineering Education: Proceedings of the 2010 ASEE Annual Conference and Exposition. Louisville, KY.

Government Reports or Monographs (give complete bibliographical references)

Pritchett, A., Durso, F., Kim, S.Y., Cleveland, W.P., **Coso, A.**, Fleming, E.S., and Wissink, J.H.A. (2011). *A Review of Pilot-Interaction with TCAS* (Contractor Report, NextGen Flight Deck Human Factors Research) Atlanta: Georgia Institute of Technology. 2011

OTHER PUBLICATIONS

Sekayi, D and **Coso Strong, A.** (2017) “The Crooked Pathway to Analytic Induction: A Case Study of Making Mid-Course Corrections in the Data Analysis Process.” SAGE Research Methods Cases Part 2. 2017
<http://dx.doi.org/10.4135/9781473958296>

PRESENTED PAPERS, AND LECTURES

Exploring the role of research on engineering practice and work environments in engineering education	Virginia Tech	Feb. 2018
Learning from engineering practice to inform educational design	Olin College of Engineering	Oct. 2017
From <i>in vivo</i> to <i>in vitro</i> : Translating Industry Needs into Undergraduate Learning Experiences	Purdue University	Oct. 2015
Implementing evidence-based practices to support students’ development as problem-solvers	Boise State University	Feb. 2015
From <i>in vivo</i> to <i>in vitro</i> : Translating Industry needs into Undergraduate Learning Experiences	Clemson University	Nov. 2014
The Engineering Thinking Process: Teaching an Approach to Engineering Problem Solving in Core Courses	Georgia Institute of Technology	Oct. 2014
Presenting! (co-presented with Chua, Z.)	Georgia Institute of Technology	Oct. 2013
Transitioning from Undergrad to Grad School	Georgia Institute of Technology	Mar. 2013
Research Methods for Engineering Education	Georgia Institute of	Dec. 2012

Research (co-presented with Margulieux, L.) The Art and Science of Reading, Writing, and Presenting (co-presented with Vedomske, M. and Thekdi, S.)	Technology University of Virginia	Feb. 2010
Swimming in Questionnaire & Survey Data: How I got from Qualitative Data to a Quantitative Survey & My Next Steps	University of Virginia	Nov. 2009

CREATIVE WORK (*below are workshops designed and facilitated)

Co-designing a research agenda to amplify engineering education efforts at HSIs (with Kendall, M and Basalo, I.)	ASEE Annual Conference	June 2018
Scrum Project Management for Complex Projects (with Sarang-Sieminski, A.)	ASEE Annual Conference	June 2018
Rethinking Engineering Education at HSIs (with Basalo, I., Kendall, M., and Henderson, G.)	UTEP and University of Miami	Mar. & Apr. 2018
Using Design Thinking to Create Engineering Educational Experiences (with Kendall, M. and Fernandez, A.)	UT-Rio Grande Valley & UT-San Antonio	Oct. 2017
Design of Inclusive Learning Environments (with Hanna, R., Sarang-Sieminski, A., Waranyuwat, A.)	Olin College Summer Institute	June 2017
Understanding Students (with Achurra, P.)	Olin College Summer Institute	June 2017
Understanding Applicants (with Somerville, M.)	Olin College of Engineering	August 2016
Student-Centered Approaches to Developing Advanced Technical Course (with Govindasamy, S.)	Olin College Summer Institute: Focus Workshops	June 2016
Charting your Professional Career (with Spence Adams, S.)	Olin College Summer Institute: Focus Workshops	June 2016
Understanding Students (with Somerville, M.)	Olin College Summer Institute	June 2016
Using Project-Based Learning to Foster Intrinsic Motivation and Student Self-Direction (with Martello, R. and Hersey, S.)	Japan's Ministry of Education, Culture, Sports, Science and Technology and the Enhancing Development of Global Entrepreneur Program	Feb. 2016

Reflections on Current Program (with Chachra, D and Vaughan, M.)	University of Texas, El Paso	Oct. 2015
Developing Our Students as Problem-Solvers (with Benson, L.)	Georgia Institute of Technology	Jan. 2015

WORKS IN PROGRESS

Adams, R., **Coso Strong, A.**, and Lande, M. "Teaching without a net: Mindful design education." Book Chapter Proposal for *Design Education Today*. In review, 2018

FUNDED RESEARCH

Collaborative Conference: Research on Engineering Practice: Catalyzing a Scholarly Community. *National Science Foundation.* (#EEC: 1832966), Lead PI: Brunhaver, S., Co-PIs: Coso Strong, A., Jesiek, B., and Korte, R. *June 2018 – May 2020.* Budget awarded to Coso Strong: \$3,700. June 2018

Collaborative HSI Conference: Co-designing an engineering education research agenda. *National Science Foundation: Dear Colleagues Letter.* (#DUE-1764249) Lead PI: Kendall, M. Co-PIs: Coso Strong, A., and Basalo, I. *January – December 2018.* Budget awarded to Coso Strong: \$11,340 Jan. 2018

Collaborative Research: Supporting Agency among Early Career Engineering Education Faculty in Diverse Institutional Contexts. *National Science Foundation: Research on the Formation of Engineers.* (#EEC-1664008) Lead PI: Coso Strong, A. Co-PIs: Bodnar, C., Faber, C., Smith-Orr, C., McCave, E., and Lee, W., *June 2017-2020.* Budget awarded to Coso Strong: \$111,538 June 2017

Olin-UTEP Partnership for Change: Expanding the Preparation of 21st Century Engineers. *U.S. Department of Education.* Lead PI: Gonzalez, R., Olin College PIs: Townsend, J. and Coso Strong, A. *August 2013 – August 2018.* (Took over as PI for Olin College in April 2017) April 2017

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

Apprentice Faculty Grant, Educational Research & Methods Division	American Society for Engineering Education	2015
Committee on Graduate and Professional Student Development's Award	Professional and Organizational Development (POD) Network	2014
Student Division Exceptional Service Award	American Society for Engineering Education	2014
Finalist, "Preparing Students for their Career Pathway" (with co-author, Scottie-Beth Fleming)	NSF Innovation in Graduate Education Challenge	2013

Engineering Innovation Fellow	National Science Foundation	2012
Graduate Research Fellow	National Science Foundation	2010-2014
Louis T. Radar Graduate Service Award	University of Virginia, Department of Systems and Information Engineering	2010
James Means Memorial Award for Excellence in Space Systems Engineering	Massachusetts Institute of Technology, Department of Aeronautics and Astronautics	2007
Senior Legacy Award for significant lasting contributions to the MIT Greek Community	Massachusetts Institute of Technology, Student Life	2007
Outstanding Associate Advisor of the Year Award	Massachusetts Institute of Technology, Academic Resource Center	2005
Lucent Global Science Scholar	Lucent Technologies	2003

OFFICES HELD IN PROFESSIONAL SOCIETIES

Director	Educational Research & Methods (ERM) Division, American Society for Engineering Education	2016-2018
Immediate Past Chair, Chair, Program Chair, Membership Chair, and Co-Editor of Quarterly Newsletter	Student Division, American Society for Engineering Education	2009-2014
Leadership Team Member	Graduate Engineering Education Consortium for Students (GEECS)	2010-2012
125 th Year Committee*	American Society for Engineering Education	2016-2019
National Projects Board*	American Society for Engineering Education	2014-2017
National Outstanding Teaching Award Committee*	American Society for Engineering Education	2011-2014
Member	American Society for Engineering Education	2009-Present
Member	Professional and Organizational Development Network	2014-Present
Member	American Institute of Aeronautics and Astronautics	2013-2015

**Selected for Committee Service*

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Advising

Mitch Cieminski	Olin College of Engineering, Undergraduate Researcher	2016-2017
Tom Heale	Olin College of Engineering, Undergraduate Researcher	2016-2018

Claire Kincaid	Olin College of Engineering, Undergraduate Researcher	2016-2017
Steven Meyer	Olin College of Engineering, Undergraduate Researcher	2016-2018
Elena Meyerson	Olin College of Engineering, Undergraduate Researcher	2018
Tehya Stockman	Olin College of Engineering, Undergraduate Researcher	2016-2018
Caz Nichols	Olin College Arts, Humanities, and Social Sciences Capstone Advisee, Educational Game Design	Spring 2018
Anne LoVerso	Olin College Arts, Humanities, and Social Sciences Capstone Advisee, Education History Museum Exhibit Design	Spring 2017

Teaching Activities

Olin College of Engineering

Co-Instructor	CIE 2017B: Quantitative Engineering Analysis II	F2017
Faculty Advisor	Senior Design, SCOPE, Program	AYs: 2015-2018
Co-Instructor & Developer	ENGR 3299: Educational Design Studio	SP2017
Co-Instructor	ENGR 2250: User-Oriented Collaborative Design	SP2016 & SP2017
Pedagogy Advisor	Mobile Prototyping Student-Led Course	F2016
Co-Instructor	MTH 1111/SCI 1111: Modeling and Simulation	F2016
Co-Instructor	ENGR1200: Design Nature	F2015
Faculty Lead	Co-curricular: Tinkerers, Superheroes, and Evil Geniuses: Exploring our understanding of practicing engineers	F2015

Georgia Institute of Technology

Instructor	AE 1601: Introduction to Aerospace Engineering	SP2015
Instructor	COE 2001: Statics	F2014
Instructor	CETL 8715/8719: Mentored Teaching Practicum and Immersion	F2014
Co-Instructor	CETL 8715/8719: Mentored Teaching Practicum and Immersion	SU2014
Co-Instructor	AE 1350: Introduction to Aerospace Engineering	SP2014
Problem-Based Learning Facilitator	AE 1350: Introduction to Aerospace Engineering	F2012

University of Virginia

Graduate Teaching	SYS 4581: Case Studies in Systems Engineering	SU2010
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Assistant

Leadership Team Member Technology Leaders Program 2009-2010

Teaching Apprentice ENGR 1620: Introduction to Engineering F2009

Previous University & Related Service

Faculty Lead, Summer Institute:
Designing Student-Centered Learning
Experiences Olin College of Engineering,
Olin Collaboratory 2018

Faculty Co-Lead, Summer Institute:
Designing Student-Centered Learning
Experiences Olin College of Engineering,
Olin Collaboratory 2017

Olin Exposition Coordinator &
Apprentice Coordinator Olin College of Engineering 2015-2017

How to Submit a Strong NSF GRFP
Application Olin College of Engineering,
Post-Graduate Planning Oct. 2015 &
Sept. 2016

Graduate School Experiences for Grad
School 101 Co-Curricular, Presenter Olin College of Engineering,
Post-Graduate Planning Sept. 2015

Co-Founder & Vice-President of ASEE
Student Chapter Georgia Institute of Technology 2011-2012

Coordinator, Cognitive Engineering
Center Graduate Student Orientation Georgia Institute of Technology 2011

Coordinator of 1st multi-day Graduate
Student Orientation University of Virginia, Department of
Systems & Information Engineering 2009

Recruitment Supervisor and Advisory
Board Member University of Virginia, Sigma Kappa
Sorority, Theta Zeta 2009-2010

Undergraduate Advising and Academic
Programming Student Advisory Board Massachusetts Institute of Technology 2004-2007

Residence-Based Advising Associate
Advisor & Seminar Leader Massachusetts Institute of Technology 2004-2006

Vice-President of Membership &
Sisterhood Chair Massachusetts Institute of Technology,
Sigma Kappa Sorority, Theta Lambda 2005-2007

Professional Service

Engineering Education Research & Innovation
Impact Summit Invited Participant 2018

STEM Faculty Development Collaboratory's
*How many hats do you wear? Building
Research Capacity for STEM Faculty
Development Workshop* Invited Participant 2017

ASEE ERM Best Paper Award Committee Member 2016

ASEE ERM Apprentice Faculty Grant	Reviewer	2016-2018
ASEE Annual Conference and Exposition	Session (Co-)Chair	2011, 2016-2018
Human Factors & Ergonomics Society	Session Moderator	2013

Advisory Board Member

Research: Workplace Socialization in Aerospace Engineering Profession. Sept 2018
National Science Foundation. (#EEC: 1826388) PIs: Benjamin Ahn & Lorenzo Baber. Iowa State University. September 2018 – August 2021.

Encouraging Civil Engineering Retention through Community and Self-Efficacy Building. May 2018
National Science Foundation. (#DUE- 1741611) PIs: Mary Watson & Kevin Bower. Citadel Military College of South Carolina. May 2018 – April 2023.

Reviewer

Journal

Entrepreneurship Education & Pedagogy	2018
Studies in Graduate and Postdoctoral Education	2018
International Journal of Doctoral Studies	2017-2018
Journal of Engineering Education	2015, 2018
IEEE Transactions on Education	2014-2016, 2018
Advances in Space Research	2015
Journal of Cognitive Engineering and Decision-Making	2012-2015
Advances in Engineering Education	2014

Conference

ASEE Annual Conference and Exposition	2010-2018
IEEE/ERM Frontiers in Education Conference	2012, 2016, 2018

NSF Review Panel

2018, 2016