

Stephen Secules

Address: School of Universal Computing Construction and Engineering Education (SUCCEED), Florida International University
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Education

Ph.D. Curriculum and Instruction	2017	University of Maryland
Dissertation: <i>Beyond Diversity as Usual: Expanding Critical Cultural Approaches to Marginalization in Engineering Education</i> . Co-Chairs: Ayush Gupta and Andrew Elby.		
M.S. Architectural Sciences - Acoustics	2008	Rensselaer Polytechnic Institute
Thesis: <i>Quantifying the Degradation of Automatic Speech Recognition in Reverberant Environments</i>		
B.E. Engineering	2007	Thayer School of Engineering
Course concentration: Signal Processing		at Dartmouth College
B.A. Engineering Sciences	2007	Dartmouth College
Phi Beta Kappa, Magna Cum Laude		

- Experience -

Faculty Appointments

- Assistant Professor, School of Computing Construction and Engineering Education (SUCCEED), College of Engineering, Florida International University 08/2019 – present
- Visiting Assistant Professor, School of Engineering Education, College of Engineering, Purdue University 08/2018 – 07/2019
- Assistant Research Scientist, Engineering Education Transformation Institute (EETI), University of Georgia 08/2017 – 07/2018

Research Appointments

- Graduate Research Assistant, University of Maryland 01/2013 – 07/2017
- Graduate Research Assistant, Rensselaer Polytechnic Institute. 08/2007 – 06/2008

Professional Engineering Experience

- *Senior Consultant. Mei Wu Acoustics. Redwood City, CA.* 01/2011 – 06/2013
Acoustical consulting, project management, proposal and report writing. Laboratory, residential, corporate, R&D building design. Projects include Seagate manufacturing facility and Loyola Marymount University auditorium. Ongoing emeritus consulting on specific projects through 2017.
- *Graduate Engineering Consultant. Arup. London, UK.* 09/2008 – 12/2010
Computer modeling and design for speech recognition, planning noise measurements, and project management. Projects include London Aquatic Centre for 2012 Olympics, Mauritius Central Bank.
- *Engineering Intern. Resource Systems Group. White River Junction, VT.* 06/2007 – 08/2007

Grant Advisory Board Positions

- Advisory board for NSF Research in Formation of Engineering grant: “Inclusion, exclusion, and socialization in engineering programs - Investigating key affective socio-psychological mechanisms in professional formation”. 07/2019 – present
- External evaluation team for NSF Broadening Participation in Engineering grant: “Documenting Experiences and Resources Supporting the Community College Transfer, Persistence, and Graduation of Black Engineering Students”. 10/2018 – present
- Evaluative team for NSF CORE grant: “Unveiling white and male privilege in physics teaching and learning”. 10/2018 – present

- Publications -

Peer-Reviewed Journal Publications

- **Secules, S.**, Sochacka, N., Huff, J., Walther, J. (2021). The social construction of professional shame for undergraduate engineering students. <https://doi.org/10.1002/jee.20419>
- Masta, S., & **Secules, S.** (2021). When critical ethnography leaves the field and enters the engineering classroom: A scoping review. *Studies in Engineering Education*. Special issue on Theories and Methods in Engineering Education. 2(1). <http://doi.org/10.21061/see.26>
- **Secules, S.**, & Mejia, J. (2021). Contextualizing the past to guide the future: situating three critical theoretical frameworks for educational culture. *Studies in Engineering Education*. Special issue on Theories and Methods in Engineering Education. 1(2), 156–171. <http://doi.org/10.21061/see.51>
- **Secules, S.**, McCall, C., Mejia, J., Masters, A., Beebe, C., Sanchez-Pena, M., & Svyantek, M. (2021). Positionality practices and dimensions of impact on equity research: A collaborative inquiry and call to the community. *Journal of Engineering Education*. 110(1), 1-25. <https://doi.org/10.1002/jee.20377>
- Berhane, B., **Secules, S.**, Onuma, F. (2020). Learning while Black: Identity formation and social experiences for six undergraduate engineering transfer students. *Journal of Women and Minorities in Science and Engineering*. 26(2): 93-124. [10.1615/JWomenMinorScienEng.2020024994](https://doi.org/10.1615/JWomenMinorScienEng.2020024994)
- **Secules, S.**, Lawson, W., (2019). Description and mixed methods evaluation of a novel hardware-based introductory programming course. *Advances in Engineering Education*. 7(3): 1-30. <https://advances.asee.org/wp-content/uploads/vol07/issue03/Papers/AEE-25-Secules-corrected.pdf>
- **Secules, S.** (2019). Making the familiar strange: An ethnographic scholarship of integration contextualizing engineering educational culture as masculine and competitive. *Engineering Studies*. 11(3): 196-216. <https://doi.org/10.1080/19378629.2019.1663200>
- **Secules, S.**, Gupta, A., & Elby, A. (2018). Supporting the narrative agency of a marginalized engineering student. *Journal of Engineering Education*. 107(2): 1-33. <https://doi.org/10.1002/jee.20201>
- **Secules, S.**, Gupta, A., & Elby, A., Turpen, C. (2018). Zooming out from the struggling student: The cultural construction of engineering ability in an undergraduate programming class. *Journal of Engineering Education*. 107(1): 56-86. <https://doi.org/10.1002/jee.20191>

Selected Peer-Reviewed Conference Publications

- **Secules, S.**, Berhane, B., Long, H., Carringella, A., & Pinto, A. (2021). Understanding Non-Traditional Students in Engineering and Computing (Work in Progress). Paper and presentation in American Society for Engineering Education Annual Conference: Minorities in Engineering Division. Virtual conference.
- Kali, M., **Secules, S.**, McCall., C. (2020). Including Alice: Uncovering the Narrative of One Student's Experience at the Intersection of International Student Status and Mental Health. Paper and presentation in The Collaborative Network for Engineering and Computing Diversity. Virtual conference.
- **Secules, S.**, Masta, S. (2020). Towards a Framework for Equity in Engineering Classrooms. Frontiers in Education Conference. Virtual Conference.
- **Secules, S.** (2020). How to Be a Graduate Student (Before I Forget): A Collection of Experiential Wisdom. American Society of Engineering Education Annual Conference: Education Research & Methods Division, Virtual conference.
- Dringenberg, E., **Secules, S.**, Kramer, A. (2019). Smartness in Engineering Culture: An Interdisciplinary Dialogue. Paper and presentation in American Society of Engineering Education Annual Conference: Education Research & Methods Division. Tampa Bay, FL.
- **Secules, S.**, Lee, W., Boyd-Sinkler, K., Masters, A. S., Hampton, C., Taylor, A., Grote, D. (2019). Dilemmas in Co-Curricular Support: A Theoretical and Pragmatic Discussion on Current Practice and Future Challenges. Paper and presentation in The Collaborative Network for Engineering and Computing Diversity. Arlington, VA.
- **Secules, S.**, McCall, C. (2019). To Be or Not To Be: A Dialogic Discussion of Two Researchers' Hidden and Transitioning Identities. Paper and presentation in The Collaborative Network for Engineering and Computing Diversity. Arlington, VA.
- Uhlar, J., **Secules, S.** (2018). Butting Heads: Competition and Posturing in Paired Programming Work. Paper in IEEE Frontiers in Education Conference. San Jose, CA.
- **Secules, S.**, Bale, J., Sochacka, N., Walther, J. (2018). Examining a Novel Theory-to-Practice Effort in Engineering Education through Multiple Theoretical Lenses of Systems and Change. Paper in American Society of Engineering Education Annual Conference: Education Research & Methods Division, Salt Lake City, UT.
- Huff, J., Shanachilubwa, K., **Secules, S.** (2018). Shame Amid Academic Success: An Interpretative Phenomenological Analysis Case Study of a Student's Experience with Emotions in Engineering. Paper in American Society of Engineering Education Annual Conference: Education Research & Methods Division, Salt Lake City, UT.
- **Secules, S.**, Sochacka, N., Walther, J. (2018). New Directions from Theory: Implications for Diversity Support from the Theories of Intersectionality and Liberatory Pedagogy. Paper in The Collaborative Network for Engineering and Computing Diversity: Undergraduate Track, Arlington, VA.
- **Secules, S.**, Turpen, C. (2017). The Construction of Competitive White Masculinity as Engineering Educational Culture. Session chair and paper presenter in The Construction of Whiteness and Dominant Normativities, Council on Anthropology of Education in American Anthropological Association Annual Meeting, Washington, D.C.
- **Secules, S.** (2017). Putting Diversity in Perspective: A Critical Cultural Historical Context for Representation in Engineering. Paper and presentation at American Society of Engineering Education Annual Conference: Liberal Education / Engineering & Society Division, Columbus, Ohio.

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- Berhane, B., Onuma, F., **Secules, S.** (2017). Rethinking engineering pathways: An exploration of the diverse K-12 school experiences of six Black engineering undergraduates. Paper in American Society of Engineering Education Annual Conference: Minorities in Engineering Division, Columbus, Ohio.
- **Secules, S.**, Gupta, A., & Elby, A., Turpen, C. (2016). “Turning Away” from the Struggling Student: Revealing Culture in the Construction of Engineering Ability. Paper and presentation at American Educational Research Association Annual Meeting: Cultural Historical Activity Division, Washington DC.
- **Secules, S.**, Gupta, A., & Elby, A. (2016). “Turning Away” from the Struggling Student: The Cultural Construction of Engineering Ability in an Undergraduate Programming Class. Paper and presentation at American Society of Engineering Education Annual Conference: Education Research and Methods Division, New Orleans.
- **Secules, S.**, Gupta, A., & Elby, A. (2015). Theorizing can contribute to marginalized students’ agency in engineering persistence. Paper and presentation at American Society of Engineering Education Annual Conference: Women in Engineering Division, Seattle.
- **Secules, S.**, Gupta, A., & Elby, A. (2014). Piecemeal Versus Integrated Design: Framing meets Design Thinking. Paper and presentation at Design Thinking Research Symposium 10, Purdue University.

Book Chapters

- **Secules, S.**, Strong, A. C., & Fletcher, T. (2020). Who Engineering Includes Impacts How Engineers Work: Diversity Challenges and Design Thinking Solutions. In *Implementation Strategies for Improving Diversity in Organizations* (pp. 224-248). IGI Global. (Peer-reviewed).
- **Secules, S.**, Gupta, A., & Elby, A. (2015). Piecemeal Versus Integrated Framing of Design Activities. Chapter 9 in *Analyzing Design Review Conversations*. Adams, R.S. & J. Siddiqui (eds.) West Lafayette, IN: Purdue University Press. (Peer-reviewed, competitive publication).

Invited Talks, Panels, and Posters

- **Secules, S.** (2021). Engaging Critically with Positionality: Examples from an Ethnography of Undergraduate Engineering Education. Invited talk in Clemson’s engineering and science education seminar. Clemson University, Greenville, SC.
- **Secules, S.** (2020). Reimagining Educational Problems: The Transformative Potential of Critical Cultural Research for Equity in Engineering Education. Tufts invited IRLI Lecture series and guest visit at Anti-racism Group.
- **Secules, S.** (2020). How to Be a Graduate Student (Before I Forget). Student Division panel at American Society of Engineering Education Annual Meeting, Virtual Meeting.
- **Secules, S.** (2019). A Conversation about Marginalization, Equity, and Inclusion (with London, J., Olgilvie, A., Pearson, Y.) EEC Grantees Conference. Colloquium panel, Alexandria, VA.
- **Secules, S.** (2019). Dilemmas in Co-Curricular Support: A Theoretical and Pragmatic Discussion on Current Practice and Future Challenges. Hi-5 Presentation at Collaborative Network for Engineering and Computing Diversity, Crystal City, VA.
- **Secules, S.** (2018). Not a Graduate Student, but Not Yet a...: Navigating Transient Positions in Engineering Education. Student Division panel at American Society of Engineering Education Annual Meeting, Salt Lake City, UT.

- **Secules, S.** (2018). Reimagining Educational Problems: The Transformative Potential of Critical Cultural Research For Equity in Engineering Education. Invited talk in *Physics Education Research Seminar*. Michigan State University, Lansing, MI.
- **Secules, S.** (2017). Unknown History and Unseen Culture: Questioning What's "Normal" Regarding Diversity in Engineering Education. Invited talk in *Empowering Voices in Engineering Lecture Series*. A. James Clark School of Engineering, University of Maryland, College Park, MD.
- **Secules, S.** (2017). Masculinity and Competition as Marginalizing Cultural Norms in Engineering. Presentation and panel participation in *Masculinity in the Public Sphere: Family, Education and Communication*. UMD Consortium on Race, Gender, & Ethnicity, College Park, MD.
- Behrouzi, A., Boone, H., McGough, C., Miller, E., Patrick, A., **Secules, S.** Tsugawa-Nieves, M., (2017). Moderator and panelist for *Graduate Student Pathways into Engineering Education*. Student Division panel at American Society of Engineering Education Annual Meeting, Columbus, OH.
- **Secules, S.** (2016). Discovering and Entangling Representation and Culture in the History of Engineering Education. Poster presentation at *New Scholars Poster Session*, Council on Anthropology of Education, American Anthropological Association annual meeting, Washington, DC.
- Brantuo, N., Jackson, T., Scribner, C., **Secules, S.** (2016). Invited remarks and panel participant for *A Path Forward: The Election and New Realities in Education*. UMD College of Education, College Park, MD.
- Quan, G., **Secules, S.** (2016). Using Student Perspectives to Understand Equity in STEM Education. Invited talk at *Better Astronomy for a New Generation (BANG!)* seminar, University of Maryland, College Park, MD.
- Geddes, K., Habbibah, U. & **Secules, S.**, (2015). Investigating Experience, Community, and Support in an Undergraduate Women's Engineering Living-Learning Program. Presentation at *Anthro+* conference at the University of Maryland, College Park, MD.

Workshops and Guest Lectures

- **Secules, S.** (2020). Thinking like an Ethnographer: Advice on education research methods, positionality, and social context. EDPS 6841 Qualitative and Quantitative Methods Course: Florida International University, Miami, FL.
- **Secules, S.** (2020). Changing Paradigms for Diversity in Undergraduate Engineering Education through Critical Cultural Research. WEPAN Professional Development Webinar. Virtual Delivery. <https://www.wepan.org/page/ChangingParadigms>
- McCall, C. & **Secules, S.** (2019). Individuals with Hidden and Transitioning Identities. Workshop at The Leonhard Center for the Enhancement of Engineering Education, Pennsylvania State University, State College, PA. 10.25148/succeed.FIDC008801
- Dickerson, D. & **Secules, S.** (2019). Exemplifying the Scientific Enterprise through Diversity, Equity, and Inclusion. Workshop at Carnegie Institute of Science, Pasadena, CA. 10.25148/succeed.FIDC008802
- **Secules, S.** (2017). Complexities and Challenges of Member Checking. Guest presentation in an ethnographic methods course (Carol Brandt, Temple). College of Education, Temple University, Philadelphia, PA.

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- **Secules, S.** (2016). Engineering Design of Social Systems. Presented an engineering professional development session for practicing teachers in the STEM Leadership Program. College of Education, University of Maryland, College Park, MD.

Other Publications

- **Secules, S.** (2021). Why we made a division on equity, culture, and social justice in education. Blog post for American Society for Engineering Education Commission on Diversity Equity and Inclusion. <https://diversity.asee.org/deicommitee/2021/07/27/why-we-made-a-division-on-equity-culture-and-social-justice-in-education/>
- **Secules, S., McCall, C.,** (2020). Taking a Deeper Look at Diversity Through Inclusion. Blog post for American Society for Engineering Education Commission on Diversity Equity and Inclusion. <https://diversity.asee.org/deicommitee/2020/12/11/taking-a-deeper-look-at-diversity-through-inclusion/>
- **Secules, S.** (2020). ‘Eat Your Veggies’ Research: Why I pursue qualitative research for an audience of quantitative-minded engineering educators. Blog post for Accelerating Systemic Change in STEM Higher Education Network. <https://ascnhighered.org/ASCN/posts/240118.html>
- **Secules, S.** (2017). Beyond the Diversity Status Quo. Blog post for Accelerating Systemic Change in STEM Higher Education Network with 2000+ reaches. <https://ascnhighered.org/ASCN/posts/191364.html>

- Recognition -

Fellowships and Grants

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|--|-------------|-------------------|
| • Audio for Inclusion: Uncovering Marginalized Student Narratives to Provide Insight to Faculty on the Known Unknowns of Inclusion – NSF Award #2114241 | \$471,624 | 08/2021 – 07/2024 |
| • Florida-IT Graduate Attainment Pathways – NSF Award #2130398 | \$1,898,240 | 07/2021 – 07/2026 |
| • Apprentice Faculty Grant. Education Research & Methods Division. Faculty mentor Dr. Alice Pawley. | \$2,000 | 04/2018 |
| • Co-PI for two winning internal grant proposals to UGA Office of Institutional Diversity program: <i>New Approaches to Promote Diversity and Inclusion</i> | | |
| “Expanding Diversity in STEM through a Recruitment, Preparation, and Outreach Program for African American Community in Atlanta Metro Area.” | \$10,000 | 01/2018 – 06/2019 |
| “Recruitment of local underrepresented groups through local STEM clubs with undergraduate mentors from the UGA chapter of the National Society of Black Engineers (NSBE).” | \$10,000 | 01/2018 – 06/2019 |
| • Merit Fellowship. Department of Teaching, Learning, Policy, and Leadership, University of Maryland. | \$2,600 | 08/2016 |
| • Support Program for Advancing Research and Collaboration (SPARC) grant. UMD College of Education. | \$1,200 | 04/2016 |

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- Dissertation Seed Grant. Qualitative Research Interest Group, Consortium on Race, Gender, and Ethnicity at UMD. \$1,000 04/2016
- Flagship Fellowship. University of Maryland. \$50,000 09/2013 – 06/2017

Honors and Awards

- Star Reviewer Award. Journal of Engineering Education. 2021
- William Elgin Wickenden award for best paper. Journal of Engineering Education. 2019
- Outstanding Doctoral Student award. UMD College of Education. 2016
- Best Diversity Paper. Education Research and Methods Division. American Society for Engineering Education Annual Meeting. Finalist - Best Diversity Paper at conference. 2016
- Best Student Paper Award. Learning Sciences SIG American Educational Research Association Annual Meeting. 2016
- Graduate School Outstanding Graduate Assistant award. UMD Graduate School. 2016
- Honorable mention. International Student Design Competition. Acoustical Society of America. 2008
- Citation for exemplary teaching assistance in Linear Systems. Thayer School of Engineering, Dartmouth College. 2007
- Citation for exemplary coursework in Communication Systems. Thayer School of Engineering, Dartmouth College. 2007
- Tau Beta Pi. Thayer School of Engineering, Dartmouth College 2007
- Phi Beta Kappa. Magna Cum Laude. Dartmouth College 2007
- Presidential Scholars. Dartmouth College. 2005

- Teaching -

Teaching Appointments

- *Instructor-of-Record, College of Engineering and Computing, Florida International University* 08/2018 – present
Instruction and curriculum development for EGS 1006 Introduction to Engineering, introduction to engineering disciplines and design.
Instruction and course design for EGN 3910 Human-centered Design for Systems in Society, core junior-level course in the Bachelor of Science in Interdisciplinary Engineering.
Instruction and course design for EGS 2053 Foundations of Interdisciplinary Engineering, core course introduction to the Bachelor of Science in Interdisciplinary Engineering.
Instruction and course design for EGS 6008 Foundations of Engineering and Computing Education, core course introduction to the PhD in Engineering and Computing Education.
- *Instructor-of-Record, College of Engineering, Purdue University* 08/2018 – 05/2019
Instruction and curriculum development for ENE-131: Transforming Ideas to Innovation I and ENE-132: Transforming Ideas to Innovation II. Core project-based course on engineering design, Excel calculations, and Matlab programming for all undergraduate majors.

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- *Instructor-of-Record, College of Engineering, University of Georgia* 08/2017 – 12/2017
Instruction and curriculum development for MCHE-2990: Engineers, technology, and the social—exploring relationships in sociotechnical systems. Core discussion-based course for undergraduate mechanical engineers.
- *Instructor-of-Record, College of Education, University of Maryland* 06/2016 – 07/2016
Curriculum design and instruction for EDCI-688C: Introduction to Engineering for Teachers. Engineering component of STEM professional development master’s degree for practicing K-8 teachers.
- *Instructor, College of Education, University of Maryland* 09/2015 – 12/2015
Co-taught EDCI-751: Theory and Research on Mathematical and Scientific Thinking and Learning. A graduate course on student learning in STEM, with Dr. Janet Walkoe.
- *Instructor-of-Record, School of Engineering, University of Maryland* 01/2015 – 05/2015
Taught ENES-100: Introduction to Engineering Design. A project-based course for undergraduate engineering majors.

Graduate Advising

- Maimuna Begum Kali PhD in Engineering and Computing Education, Florida International University 01/2020 – present
- Bailey Bond PhD in Engineering and Computing Education, Florida International University 04/2021 – present
- Tiana Solis PhD in Engineering and Computing Education, Florida International University Begins 09/2021
- Nivedita Kumar PhD in Engineering and Computing Education, Florida International University Begins 09/2021

Graduate Committee Membership

- Indhira Hasbun PhD in Engineering and Computing Education, Florida International University 10/2020 – present
- Andrew Green PhD in Education Policy / Higher Education, Florida International University 10/2020 – present
- Md Nurul Anwar Tarek PhD in Electrical and Computing Engineering, Florida International University 10/2020 – present

Student Research Supervisor

- Anna Carringella Undergraduate Student Researcher, Florida International University 01/2020 – 12/2020
- Andrea Pinto Undergraduate Student Researcher, Florida International University 01/2020 – 12/2020
- Paige Brown Doctoral Student Research Project, Purdue University 09/2018 – 12/2018

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- James Bale Masters Student Research Project, University of Georgia 09/2017 – 06/2018
- John Uhlar Undergraduate Student Research Project, University of Georgia 09/2017 – 06/2018
- Emilia Tanu Undergraduate Student Research Project, University of Maryland 01/2015 – 05/2017

- Service -

Editor Roles

- Assistant Editor, Journal of Engineering Education 01/2021 – present
- Associate Editor, Cambridge Handbook of Engineering Education 05/2021 – present

Committee Service and Leadership

- Chair, Equity, Culture, and Social Justice in Education Constituent Committee, American Society of Engineering Education 06/2020 – present
- Organizer, Equity Research Group. College of Engineering and Computing, Florida International University 01/2020 – present
- Curriculum Committee SUCCEED representative. College of Engineering and Computing, Florida International University. 08/2019 – present
- Member, Working Group on Equity and Inclusion, Accelerating Systematic Change Network 08/2017 – present
- Immediate Past Division Chair, American Society of Engineering Education 06/2017 – 06/2018
- Member, Steering Committee, Aphasia Recovery Connection 08/2017 – 07/2017
- Division Chair, Student Division, American Society of Engineering Education. 06/2016 – 06/2017
- Member, ASEE Interdivisional Town Hall Planning Committee. 03/2017 – 06/2017
- Graduate Student Representative, UMD College of Education Graduate Education Committee. 09/2015 – 05/2017
- Program Chair, Student Division, American Society of Engineering Education 06/2015 – 06/2016
- Member, Ad Hoc Subcommittee on ASEE Publication Options & Policies. 06/2016 – 09/2016
- Coordinator, UMD Engineering Education Research Group. 08/2014 – 06/2017

Diversity Support Activities

- *Out-in-STEM* 02/2018 – present
Faculty advisor, FIU chapter. Initiated formation of the club.
- *ASEE LGBTQ Virtual Community of Practice* 02/2018 – present
Participate in interactive virtual community forums related to LGBT inclusion.
- *ASEE Safe Zone Ally Training* 02/2018 – 05/2018
Participate in interactive virtual webinars related to LGBT inclusion.
- *National Society of Black Engineers* 10/2017 – 07/2018
Faculty advisor, UGA chapter. Assisted in winning grants supporting NSBE activities. Connected students to faculty and departmental resources.
- *Society of Hispanic Professional Engineers* 10/2017 – 07/2018
Faculty advisor, UGA chapter.
- *LGBT Safe Space Training* 10/2017
Certified by UGA LGBT Safe Space training. Adapting safe space training for engineering faculty as an event in Spring semester.
- *GRAD-MAP Spring Symposium Faculty Dialogue* 04/2017
Facilitated faculty dialogue on mentoring practices between PWIs, HBCUs, CCs, and 4-year institutions as part of UMD Office of Diversity and Inclusion initiative.
- *Sindesis Diversity Retreat for Greek Life* 11/2016
Facilitated inter-group dialogue with fraternity and sorority members as part of UMD Office of Diversity and Inclusion initiative.
- *NSF-sponsored Workshop “Who’s Not at the Table”* 10/2016
Contributed to conference/workshop to brainstorm a research agenda around groups currently underserved by diversity support in engineering education. Clemson University.
- *Inter-group Dialogue with UMD Office of Diversity and Inclusion* 05/2016
Completed training course on inter-group dialogue techniques.

Reviewing

- Journal of the Learning Sciences
- Engineering Studies
- Journal of Women and Minorities in Science and Engineering
- Journal of Engineering Education
- The Collaborative Network for Engineering and Computing Diversity (CoNECD)
- American Society of Engineering Education, LE/ES Division, Student Division, Education Research and Methods (ERM) Division, ERM Best Paper Committee
- National Science Foundation grant proposal panelist
- American Educational Research Association, Cultural Historical SIG and Division C (Engineering Education subdivision)
- Design Thinking Research Symposium