

ALICE L. PAWLEY, PH.D

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EDUCATION

Ph.D. Industrial and Systems Engineering	August 2007
PhD minor in women's studies. University of Wisconsin-Madison	
M.S., Industrial Engineering	May 2003
University of Wisconsin-Madison	
B. Eng., Chemical Engineering (Distinction)	December 1999
McGill University, Montreal, PQ	

EMPLOYMENT

Professor August 2021-present	School of Engineering Education (ENE) College of Engineering, Purdue University. Affiliate faculty with Women's, Gender and Sexuality Studies Program since 2007. Affiliate faculty with Environmental and Ecological Engineering since 2010. Affiliate faculty with Purdue Climate Change Research Center since 2019.
Associate professor July 2013-August 2021	School of Engineering Education (ENE) College of Engineering, Purdue University. Affiliate faculty with Women's, Gender and Sexuality Studies Program since 2007. Affiliate faculty with Environmental and Ecological Engineering since 2010. Affiliate faculty with Purdue Climate Change Research Center since 2019.
Assistant professor 2007-June 2013	School of Engineering Education (ENE) College of Engineering, Purdue University.
Course instructor 2005-2006	Delta Program for Research, Teaching and Learning, Center for the Integration of Research, Teaching and Learning (CIRTL) Wisconsin Center for Education Research, UW-Madison.
Research assistant 2003-2005	Delta Program for Research, Teaching and Learning, Center for the Integration of Research, Teaching and Learning (CIRTL) Wisconsin Center for Education Research, UW-Madison.

HONOURS AND AWARDS (selected)

2007	ASEE ERM Apprentice Faculty Grant	Educational Research Methods Division award for future faculty to cover travel expenses to ASEE National Conference (\$2,000).
2007	NAE CASEE Faculty Fellow	National Academy of Engineering's Center for the Advancement of Engineering Education award for new faculty to cover travel expenses to the Frontiers in Education conference (\$1,000).
2009	Seeds for Success Award	Awarded to Purdue faculty who have received grant funding of over \$1M. Purdue University.
2010	NSF-CAREER	CAREER Award for "Learning from Small Numbers" project. National Science Foundation.
2011	Presidential Early Career Award in Science and Engineering	Awarded in July 2012. Citation: ""For outstanding research on root causes of under-representation in engineering degree programs, for educational activities and outreach to students and faculty, and for academic leadership to support equality of access to education."

2012	AAEE Best Paper Award	Beddoes, K., Pawley, A.L., & Banerjee, D. "Gendered facets of faculty careers and challenges to engineering education as an inclusive profession." Australasian Association for Engineering Education Annual Conference (Melbourne, Australia, December 2012).
2013	ASEE ERM Best Paper Award	"'Learning from small numbers' of underrepresented students' stories: Discussing a method to learn about institutional structure through narrative," presented at ASEE 2013 in Atlanta, GA. Award of \$1000.
2013	Benjamin Dasher Award	Best paper award for the conference. "Applying philosophical inquiry: Bringing future engineering education researchers into the philosophy of engineering education" by Robin Adams, Alice Pawley and Brent Jesiek. Presented at Frontiers in Education Conference 2013, Oklahoma City, OK.
2013	Denice Denton Emerging Leader Award	Anita Borg Institute. Presented at Grace Hopper Conference 2013, Minneapolis MN. Award of \$5000.
2015	ENE Award for Excellence in Mentoring	School of Engineering Education, Purdue University.
2018	Best Paper, and PIC Best Paper Nominee	Nominated by the Diversity Committee of the American Society for Engineering Education. Pawley, Alice L., Mejia, Joel Alejandro, Revelo, Renata Revelo, "Translating theory on color-blind racism to an engineering education context." ASEE Annual Conference and Exposition, Salt Lake City, UT. June 2018.
2019	ENE Award for Leadership	School of Engineering Education, Purdue University.
2019	Outstanding Faculty Mentor of Engineering Graduate Students	College of Engineering, Purdue University
2020	Sterling Olmsted Award	Liberal Education/Engineering & Society Division of the American Society for Engineering Education.
2023	ENE Award for Graduate Teaching	School of Engineering Education, Purdue University.

GRANTS

Purdue Research Foundation International Travel Grant. \$1,000.	2008
Purdue Research Foundation Summer Grant: Gendered engineering identities in transition: qualitative investigation of the differences between 'being an engineer' in engineering education compared to in industries producing feminine technologies. \$8,000.	2008
NSF-ADVANCE: Purdue Center for Faculty Success. Co-PI. \$3,925,625.	2008
NSF-IEECI: Assessing Sustainability Knowledge (ASK): Development of a framework to assess engineering undergraduate students' knowledge of sustainability concepts. PI. \$150,000.	2009
NSF-CAREER/PECASE: Learning From Small Numbers: Using the personal narratives of underrepresented students to promote institutional change in engineering education. PI. \$416,818.	2010
NSF-REE: PEER Collaborative: A National Workshop. PI. \$37,036.	2011
NSF-BPE: Identifying Marginalization and Allying Tendencies in Teams of Engineering Recruits (I-MATTER). PI. \$631,285.	2019

PUBLICATIONS

Peer-reviewed archival publications

1. Carlson-Dakes, Chris* and Alice Pawley*. "Expeditionary Learning: A Low-Risk, Low-Cost, High-Impact Professional Development Model." *To Improve the Academy* 24: 259-276. 2005.
2. Riley, Donna,* Alice L. Pawley,* Jessica Tucker, and George Catalano. "Feminisms in Engineering Education: Transformative possibilities." *NWSA Journal* 24(2), 21-40. 2009.
3. Pawley, Alice L. "Universalized narratives: patterns in how faculty define 'engineering.'" *Journal of Engineering Education* 98(4) pp. 309-319. 2009.
4. Monica E. Cardella,* Stephen R. Hoffmann,* Matthew W. Ohland,* Alice L. Pawley* (Alphabetical). "Sustaining Sustainable Design through "Normalized Sustainability" in a First-Year Engineering Course." *International Journal for Engineering Education*, 26(2-3). 2010.
5. Kerry L. Meyers,* Matthew W. Ohland, Alice L. Pawley, Cody D. Christopherson. "The Importance of Formative Experiences for Engineering Student Identity." *International Journal for Engineering Education*, 26(6) 1550-1560. 2010.
6. Adams, Robin S.*, Antonio Dias de Figueiredo, Demetra Evangelou, Lynn D. English, Nicholas Mousoulides, Alice L. Pawley, Carmen Schifellite, Reed Stevens, Marilla D. Svinicki, Julie Martin Trenor, and Denise Wilson. "Multiple Perspectives for Engaging Future Engineers." Invited contribution to the Centennial Issue, *Journal of Engineering Education* 100, no. 1 (2011): 48-88. 2011.
7. Banerjee, Dina,* Alice L. Pawley. "Learning and Social Change: Using Interviews as Tools to Prompt Reflective Practice." *Reflective Practice: International and Multidisciplinary Perspectives*, 12(4) pp. 441-455. 2011
8. Meyers, K.,* Ohland, M., Pawley, A., Silliman, S., Smith, K. "Factors Relating to Engineering Identity." *Global Journal for Engineering Education*, 2012 (14)1.
9. Pawley, Alice L. "Engineering Faculty Drawing the Line: A Taxonomy of Boundary Work in Engineering Schools." *Engineering Studies*, August 2012. Print version in press; published online at <http://www.tandfonline.com/doi/abs/10.1080/19378629.2012.687000>.
10. Beddoes, K. & Pawley, A.L. "Negotiating an Offer: What graduate students and mentors can learn from others' experiences." *Society for Women Engineers Magazine*. Spring 2013.
11. Beddoes, Kacey, and Alice L. Pawley. "'Different people have different priorities': Work-family balance and the discourse of choice". *Studies in Higher Education*. In press, 2013.
12. Schimpf, Corey,* Marisol Mercado Santiago*, Alice L. Pawley, Jordana Hoegh, and Dina Banerjee. "STEM Faculty and Parental Leave: Understanding the Challenges through Structuration Theory." (2013) *Journal of Gender, Science, and Technology*, 5(3) 103-125.
13. Banerjee, Dina,* and Alice L. Pawley.* "Gender and promotion: How do science, technology, engineering, and mathematics (STEM) faculty members survive a foggy climate?" *Journal of Women and Minorities in Science and Engineering* 19(4) 329-347 (2013). DOI: 10.1615/JWomenMinorScienEng.2013004654
14. Rao, Ranjani,* Stephen R. Hoffmann,* Alice L. Pawley,* Monica E. Cardella, and Matthew W. Ohland. "An ecofeminist grounded analysis of sustainability in engineering education: Skill-set, discipline or conscience." *International Journal of Engineering Education* 29(6), pp. 1472–1489, 2013.
15. Jones, Kyle E.*, Kacey Beddoes, Dina Banerjee, and Alice L. Pawley. Examining the flexibility bind in American tenure and promotion processes: An institutional ethnographic approach. *Ethnography and Education*, 9(3) pp. 328-342, DOI:10.1080/17457823.2014.911665. 2014.
16. Pawley, Alice L.,* Schimpf, C*^G. and Nelson, L^G. (2016), "Gender in Engineering Education Research: A Content Analysis of Research in *JEE*, 1998–2012." *Journal of Engineering Education*., 105(3): 508–528. doi:10.1002/jee.20128.

17. Walther, Joachim*, Alice L. Pawley*, Nicola Sochacka* (2016) "Data Sharing in Interpretive Engineering Education Research: Challenges and Opportunities from a Research Quality Perspective." *Advances in Engineering Education* 5(2), Spring 2016. <http://advances.asee.org/wp-content/uploads/vol05/issue02/Papers/AEE-18-Walther.pdf>
18. Walther, Joachim*, Nicola Sochacka*, Lisa Benson*, Amy Bumbaco^{G*}, Nadia Kellam*, Alice L. Pawley*, Canek M. L. Phillips^{G*} (2017) "Qualitative research quality – a collaborative inquiry from multiple methodological perspectives." *Journal of Engineering Education* 106(2).
19. Walther, Joachim*, Alice L. Pawley*, Nicola Sochacka*. (2018) "Exploring Ethical Validation as a Key Consideration in Interpretive Research Quality". *Journal of Engineering Education* 107(3) 362-379.
20. Slaton, Amy E.*, Alice L. Pawley*. (2018) "The Power and Politics of STEM Research Design: Saving the 'Small N'". *Engineering Studies* 10(2-3) 133-157.
21. Pawley, Alice L.* (2019) "Learning from small numbers: Studying ruling relations that gender and race the structure of U.S. engineering education." *Journal of Engineering Education* 108, 13–31
22. Pawley, Alice L.* (2020) "Shift the default in "broadening participation" in STEM equity research." *International Journal of Gender, Science and Technology*, Vol.11, No.3.
23. Mejia, Joel Alejandro, Renata Alonso Revelo, Alice L. Pawley, (2020) "Thinking about racism in engineering education in new ways." *IEEE Technology and Society Magazine*, 2 December 2020.
24. Dietz, Gretchen*, Elliot Douglas*, Erica D. McCray*, Joel Alejandro Mejia*, Alice L. Pawley*, Renata A. Revelo* (alphabetical). (2022) "Learning from anti-racist theories to reframe engineering education research on race." *Journal of Women and Minorities in Science and Engineering*. DOI: 10.1615/JWomenMinorScienEng.202203660
25. Dickerson, Darryl. A., Stephanie Masta, Matthew W. Ohland, & Alice L. Pawley. (in review). "Is Carla Grumpy? Analysis of Peer Evaluations to Explore Marginalizing Behaviors in Engineering Student Teams." In review for the *Journal of Engineering Education*.
26. Wright, Casey, Alice L. Pawley. (in review) "Ideal Workers within Institutional Relations: Examining Parental Leave in the STEM higher Education Institution from the Standpoint of Parenting Women in STEM Doctoral Programs." In review for the *Journal of Diversity in Higher Education*.

Peer-reviewed book chapters

1. Pawley, Alice L., and Karen Tonso. "'Monsters of Unnaturalness': Making Women Engineers' Identities via Newspapers and Magazines (1930-1970). *Journal of the Society of Women Engineers - 60th Anniversary Edition*, vol 5. pp. 60-73. 2011.
2. Caroline Baillie, Alice L. Pawley, and Donna Riley, editors. *Engineering and social justice: In the University and beyond*. Purdue University Press. January 2012.
3. Caroline Baillie, Alice L. Pawley, and Donna Riley, "Introduction: In the University and Beyond." In *Engineering and Social Justice: In the University and Beyond*, pp. 1-8. Purdue University Press, 2012.
4. Pawley, Alice L. "What counts as 'engineering'? Towards a Redefinition." Chapter 3, pp. 59-85. In *Engineering and Social Justice: In the University and Beyond*. Purdue University Press, 2012
5. Riley, Donna, Amy Slaton, and Alice L. Pawley, "Social Justice and Inclusion: Women and Minorities in Engineering." In the *Cambridge Handbook of Engineering Education Research*, Aditya Johri and Barbara Olds eds. Invited contribution. 2014.

Peer-reviewed conference proceedings (all also presented)

1. Pawley, Alice L. "The feminist engineering classroom: a vision for future educational innovations." Conference proceedings for the American Society for Engineering Education Annual Conference and Exposition. Salt Lake City UT, June 20-23, 2004. (9 pages.)
2. Pawley, Alice L., Christine Pfund, Sarah Miller Lauffer and Jo Handelsman. "A case study of 'Diversity in the College Classroom,' a course to improve the next generation of faculty." Conference proceedings for the

- American Society for Engineering Education Annual Conference and Exposition. Chicago IL, June 18-21, 2006. (12 pages.)
3. Pawley, Alice L. "Work in Progress: Engineering Faculty Members' Descriptions of the Boundaries of Engineering." Proceedings for the 36th ASEE/IEEE Frontiers in Education Conference. San Diego CA, October 28-31, 2006. (2 page limit.)
 4. Pawley, Alice L. "Gendered boundaries: using a 'boundary' metaphor to understand faculty members' descriptions of engineering." Proceedings for the 37th ASEE/IEEE Frontiers in Education Conference, Milwaukee, WI, October 10-13 2007. (6 page limit.)
 5. Pawley, Alice L. "Work in progress: engineering identity markers in engineering faculty members." Proceedings for the Research in Engineering Education Symposium, Davos, CH July 7-9, 2008. (5 page limit.)
 6. Tucker, Jessica, Alice L. Pawley, Donna Riley, George Catalano. "Special session: New engineering stories: How Feminist Thinking Can Impact Engineering Ethics and Practice." Frontiers in Education Conference, Saratoga Springs, NY, October 22-25, 2008. (2 page limit.)
 7. Jordan, Shawn, Robin Adams, Alice Pawley, and David Radcliffe. "The Affordances of Photo Elicitation as a Research and Pedagogical Method." Proceedings for the 39th ASEE/IEEE Frontiers in Education Conference, San Antonio TX, October 18-21, 2009. (6 page limit.)
 8. Pawley, Alice L., Donna Riley, Susan Lord, Trevor Harding. "Workshop: Feminist Engineering Education: Building a Community of Practice." Proceedings for the 39th ASEE/IEEE Frontiers in Education Conference, San Antonio TX, October 18-21, 2009. (2 page limit.)
 9. Pawley, Alice L., Donna Riley, Trevor Harding, Susan Lord, Cynthia Finelli. "Special Session: From Active Learning to Liberative Pedagogies: Alternative teaching philosophies in CSET education." Proceedings for the 39th ASEE/IEEE Frontiers in Education Conference, San Antonio TX, October 18-21, 2009. (2 page limit.)
 10. Banerjee, Dina and Alice L. Pawley. "Institutional Ethnography: A research method to investigate the work-life experiences of women faculty members in STEM disciplines." Proceedings of the American Society for Engineering Education National Conference and Exposition, Louisville KY, June 20-23, 2010. (12 pages.)
 11. Hoegh, Jordana, and Alice L. Pawley. "Modeling the career pathways of women STEM faculty through oral histories and participatory research methods." Proceedings of the American Society for Engineering Education National Conference and Exposition, Louisville KY, June 20-23, 2010. (11 pages.)
 12. Nelson, Lindsey and Alice L. Pawley. "Using the Emergent Methodology of Domain Analysis to Answer Complex Research Questions." Proceedings of the American Society for Engineering Education National Conference and Exposition, Louisville KY, June 20-23, 2010. (9 pages.)
 13. Pawley, Alice L. and Karen Tonso, "'The image of a woman engineer:' Women's identities as engineers as portrayed by historical newspapers and magazines, 1930-1970." Proceedings of the American Society for Engineering Education National Conference and Exposition, Louisville KY, June 20-23, 2010. (10 pages.)
 14. Ranjani Rao,* Alice L. Pawley,* Stephen R. Hoffmann, Matthew W. Ohland, and Monica E. Cardella "Work in Progress: Development of a framework to Assess Sustainability Knowledge (ASK) in engineering undergraduate students." Proceedings of the 40th ASEE/IEEE Frontiers in Education Conference, Washington, DC, October 27 - 30, 2010. (2 page limit.)
 15. Morley, Katherine M.,* Alice L. Pawley,* Shawn Jordan, Robin S. Adams. "Gender and Engineering: Photo elicitation as a method of inquiry." Proceedings of the American Society for Engineering Education Annual Conference and Exposition, Vancouver, BC, June 26-29, 2011.
 16. Riley, Donna,* Alice L. Pawley. "Complicating Difference: Exploring and Exploding Three Myths of Gender and Race in Engineering Education." Proceedings of the American Society for Engineering Education Annual Conference and Exposition, Vancouver, BC, June 26-29, 2011. (16 pages.)
 17. Pawley, Alice L.,* Jordana Hoegh. "Exploding pipelines: mythological metaphors structuring diversity-

- oriented engineering education research agendas.” Proceedings of the American Society for Engineering Education Annual Conference and Exposition, Vancouver, BC, June 26-29, 2011. (20 pages.)
18. Mercado Santiago, Marisol,* Alice L. Pawley, Jordana Hoegh. “Institutional Ethnography as a Method to Understand the Career and Parental Leave Experiences of STEM Faculty Members.” Proceedings of the American Society for Engineering Education Annual Conference and Exposition, Vancouver, BC, June 26-29, 2011. (19 pages.)
 19. Hoffmann, Stephen,* Alice L. Pawley, Ranjani Rao, Monica Cardella, and Matthew W. Ohland. “Defining ‘Sustainable Engineering’: A comparative analysis of published sustainability principles and existing courses.” Proceedings of the American Society for Engineering Education Annual Conference and Exposition, Vancouver, BC, June 26-29, 2011. (13 pages.)
 20. Schimpf, Corey, Alice L. Pawley, Marisol Mercado Santiago. “Access and Definition: Exploring How STEM Faculty, Department Heads and University Policy Administrators Navigate the Implementation of a Parental Leave Policy.” Proceedings of the American Society for Engineering Education Annual Conference and Exposition, San Antonio TX, 2012. (20 pages.)
 21. Adams, Robin, Alice L. Pawley, Brent Jesiek. “Applying philosophical inquiry: Bringing future engineering education researchers into a philosophy of engineering education.” 42nd ASEE/IEEE Frontiers in Education, Seattle WA, 2012. (6 page max.)
 22. Beddoes, Kacey, Alice L. Pawley, & Dina Banerjee. “Gendered facets of faculty careers and challenges to engineering education as an inclusive profession.” Australasian Association for Engineering Education Annual Conference (Melbourne, Australia, December 2012). Won best paper award.
 23. Beddoes, Kacey, Corey Schimpf^G, & Alice L. Pawley. "Engaging Foucault to better understand underrepresentation of female STEM faculty." Proceedings of the American Society for Engineering Education Annual Conference and Exposition (Atlanta, GA, June 2013).
 24. Pawley, Alice L. “‘Learning from small numbers’ of underrepresented students’ stories: Discussing a method to learn about institutional structure through narrative.” Proceedings of the American Society for Engineering Education Annual Conference and Exposition (Atlanta, GA, June 2013). Won ERM Division Best Paper Award.
 25. Beddoes, Kacey , Corey Schimpf^G and Alice L. Pawley. “New Metaphors for New Understandings: Developing Grounded Theories on Gendered Academic Cultures.” *American Society for Engineering Education Annual Conference and Exposition*, Indianapolis, IN, June 15-18, 2014.
 26. Pawley, Alice L. and Canek M. L. Phillips^G. "From the mouths of students: two cases of narrative analysis to understand engineering education’s ruling relations as gendered and raced." *American Society for Engineering Education Annual Conference and Exposition*, Indianapolis, IN, June 15-18, 2014.
 27. Pawley, Alice L. Carberry, Adam R., Monica E. Cardella, Maria-Isabel Carnasciali, Shanna R. Daly, Jenna L. Gorlewicz, Geoffrey L. Herman, Morgan M. Hynes, Shawn S. Jordan, Nadia N. Kellam, Micah Lande, Matthew A. Verleger, Dazhi Yang (alphabetical). “The PEER Collaborative: Supporting engineering education research faculty with near-peer mentoring unconference workshops.” *American Society for Engineering Education Annual Conference and Exposition*, Indianapolis, IN, June 15-18, 2014.
 28. Pawley, Alice L., Stephen R. Hoffmann, Monica E. Cardella, Matthew W. Ohland, Ranjani Lakshman Rao^G, Abigail R. Jahiel, Thomas P. Seager, Linda Vanasupa. “Assessing sustainability knowledge: a framework of concepts.” *American Society for Engineering Education Annual Conference and Exposition*, Indianapolis, IN, June 15-18, 2014.
 29. Slaton, Amy E., Alice L. Pawley. “The Power and Politics of STEM Research Design: Saving the ‘Small N’”. *American Society for Engineering Education Annual Conference and Exposition*, Seattle, WA, June 14-17, 2015.
 30. Walther, Joachim, Alice L. Pawley, Nicola Sochacka. “Exploring Ethical Validation as a Key Consideration in Interpretive Research Quality”. *American Society for Engineering Education Annual Conference and Exposition*, Seattle, WA, June 14-17, 2015.

31. Meadows, Lorelle A, Denise Sekaquaptewa, Marie C Paretti, Alice L. Pawley, Shawn S. Jordan, Debbie Chachra, Adrienne Minerick. “Interactive Panel: Improving the Experiences of Marginalized Students on Engineering Design Teams”. *American Society for Engineering Education Annual Conference and Exposition*, Seattle, WA, June 14-17, 2015.
32. Beddoes, Kacey, Corey Schimpf, & Alice L. Pawley (2015) *Gender and Department Heads: An Empirically-Inspired Literature Review* Paper presented at 2015 ASEE Annual Conference and Exposition, Seattle, Washington. 10.18260/p.24149.
33. Pawley, Alice L., Joel Alejandro Mejia, Renata Alonso Revelo, (2018) “Translating theory on color-blind racism to an engineering education context.” ASEE Annual Conference and Exposition, Salt Lake City, UT. June 2018. Best Paper Award and Nominee for PIC Best Paper, Diversity Committee.
34. Pawley, Alice L., Erin Cech, Stephanie Farrell, Donna Riley (2019) “Targeted harassment in engineering education: what it looks like, why now, and what is at stake.” Presented 2019 CoNECD conference, Arlington VA.
35. Dandridge, Tikyna,^G Hassan Al Yagoub,^G Sharlane Cleare,^G Shalin Kreiger,^G Justin Major,^G Casey Wright^G and Alice L. Pawley (2019) “Engaging in STEM education equity work through a course: studying race, class and gender theory in engineering education.” Presented 2019 CoNECD conference, Arlington VA.
36. Pawley, Alice L., Erin Cech, Stephanie Farrell, Donna Riley (2019) “Targeted harassment of engineering education researchers: How to connect with community and support your colleagues under attack.” Presented 2019 American Society for Engineering Education conference, Tampa FL.
37. Moore, Kristen, & Casey E. Wright^G, Erica M. Stone, Alice L. Pawley (2021, July), “Visualizing Arguments to Scaffold Graduate Writing in Engineering Education.” Paper presented at 2021 ASEE Virtual Annual Conference Content Access, Virtual Conference. <https://peer.asee.org/38033>
38. Dickerson, Darryl. A., Stephanie Masta, Matthew W. Ohland, & Alice L. Pawley (2021, July), “How Can We Identify Teams at Risk of Marginalizing Minoritized Students, at Scale?” Paper presented at 2021 ASEE Virtual Annual Conference Content Access, Virtual Conference. <https://peer.asee.org/37250>
39. Masta, Stephanie, Darryl Dickerson, Alice L. Pawley, & Matthew W. Ohland (2022, February). “The minimization of microaggressions in engineering education.” Paper presented at the Collaborative Network for Engineering and Computing Diversity. New Orleans, LA.
40. Grant, Janelle,^G Stephanie Masta, Darryl Dickerson, Alice L. Pawley, Matthew W. Ohland, (2022, June), “I Don’t Like Thinking About this Stuff’: Black and Brown Student Experiences in Engineering Education” Paper presented at 2022 ASEE Annual Conference & Exposition, Minneapolis, MN. <https://peer.asee.org/41397>
41. Pawley, Alice L., Stephanie Masta, Janelle Grant^G, Darryl Dickerson, Matthew Ohland. (2023) “It is in fact your job: making visible and addressing the ever-present marginalization of minoritized undergraduate engineering teammates with instructors as their responsibility.” Paper presented at the 2023 Canadian Engineering Education Association National Conference, Kelowna BC, June 2023.
42. Dickerson, Darryl, Janelle Grant^G, Cara Margherio, Stephanie Masta, Matthew W. Ohland, Alice L Pawley. (2023) “Increasing faculty responsibility for students’ sense of support in the classroom: lessons from I-MATTER for Black and Brown students.” Paper to be presented at the 2023 ASEE Annual Conference & Exposition, Baltimore MD, June 2023.
43. Ohland, Matthew, Stephanie Masta, Darryl Dickerson, Alice L. Pawley (in preparation) “Making engineering education more inclusive by the power of defaults.” Paper submitted to the IEEE/ERM Frontiers in Education Conference, October 2023, College Station TX.

Other print publications

1. **Magazine:** Pawley, Alice L. “Getting our stories straight.” JEE Selects: Research in Practice. *ASEE Prism Magazine*. November 2009, p. 47.
2. **Blog:** *Sciencewomen*, <http://scienceblogs.com/sciencewomen>. Co-blogger from February 2008- December

2009. ~22,000 hits per month. ScienceBlogs is a subsidiary of SEED Media Group, LLC, publishers of SEED Magazine, also online at <http://seedmagazine.com/>. The blog made a great contribution to the women in STEM blogging community, and new opportunities arose for Prof. Pawley and her co-blogger as a result of their contribution. In December 2009, they decided to close down blogging together to focus on those other opportunities. 2008-2009

3. **Blog carnival:** *Scientiae: Stories about and by women in science, technology, engineering and mathematics.* <http://scientiae-carnival.blogspot.com>. Formerly monthly, then quarterly blog carnival with rotating hosts soliciting posts from other bloggers on particular themes. Founder, organizer, and occasional host. 2007-2011.
4. **Magazine:** Kacey Beddoes & Alice Pawley, (2013) "Negotiation and Confidence: What Graduate Students and Mentors Can Learn from Others' Experiences", SWE Magazine, spring 2013.
5. **Guest Editorial:** Alice L. Pawley, (2017) "Shifting the "Default": The Case for Making Diversity the Expected Condition for Engineering Education and Making Whiteness and Maleness Visible." In *Journal of Engineering Education*, Vol. 106, No. 4, pp. 1–3.
6. **Magazine:** Alice L. Pawley (2019) "We Need a Moral Infrastructure." AEE Selects, PRISM Magazine. October 2019.
7. **Guest Editorial:** Alice L. Pawley, (2019) "Asking questions, we walk": How should engineering education address equity, the climate crisis, and its own moral infrastructure?" Co-published simultaneously:
 - a. *Advances in Engineering Education*, 7(3), <https://advances.asee.org/>
 - b. *Journal of Engineering Education* 108 (4), pp.447-452. DOI 0.1002/jee.20295

PRESENTATIONS (exclusive of ASEE or FIE conference presentations with proceedings)

Peer-reviewed national conferences (no proceedings)

1. *Carlson-Dakes, Chris*, and Alice L. Pawley. "Expeditionary Learning: Low Risk, Low Cost, High Impact Professional Development." Professional and Organizational Development Network in Higher Education National Conference, Milwaukee WI, October 27-30 2005.
2. *Gillian-Daniel, Don*, Alice L. Pawley, Judith Burstyn. "Effectively Addressing Diversity in Practice: Stories Told and Lessons Learned." Professional and Organizational Development Network in Higher Education National Conference, Milwaukee WI, October 27-30, 2005.
3. Pawley, Alice L. "Drawing the line: how engineering faculty describe what "counts" as engineering." Society for the Social Studies of Science Annual Conference, Vancouver BC, November 1-5 2006.
4. Schoepke, Jen, Ronke Olabisi,* Alice L. Pawley,* Asha Collins. 2006. "Daily Encounters with White Privilege and Discrimination in the Physical Sciences (and Beyond)." Race and Pedagogy Conference, Tacoma WA, September 14-16, 2006.
5. Pawley, Alice L. and coauthors "'Diversity in the College Classroom': A course to teach science and engineering graduate students to become better future faculty by learning about 'diversity.'" National Women's Studies Association National Conference, Oakland, CA June 15-18 2006.
6. Eubanks, Virginia, and Alice L. Pawley. 2008. "Feminist Science Studies: Future Directions." National Women's Studies Association Annual Conference, Cincinnati OH, June 19-22, 2008.
7. Pawley, Alice L., Donna Riley. "Engineering gender: an unconference roundtable on developing a reader situated in the intersection of engineering, technology and women's studies." National Women's Studies Association National Conference Atlanta, GA, November 12-15 2009.
8. Pawley, Alice L., Jill Bystydzienski, Sue Rosser, and Sharon Bird. "Crossing Borders: Strengthening connections between NSF's ADVANCE Program and Women's Studies". National Women's Studies Association National Conference, Denver CO, November 11-14, 2010.
9. Riley, Donna, Heidi Waugh, and Alice L. Pawley. "Class and Gender Norms in Wartime: Engineering at Smith College." Society for the Social Studies of Science Conference, Cleveland OH. November 2011.

Non-peer reviewed national conferences without proceedings

1. Pawley, Alice L. "The "women" problem, the "f" word, and engineering: Some of what engineers need to know about feminist theories of science." Invited speaker. Society of Women Engineers Region H Conference. Madison WI, February 7, 2004.
2. Pawley, Alice L. "The "woman question," the f-word, and engineering: feminist engineers leading change in higher education." Invited speaker. Society of Women Engineers National Conference, Milwaukee WI, October 14-16, 2004.
3. Pawley, Alice L. "Putting your money where your mouth is: implementing engineering's self-definitions of problem-solving to teach social justice." 2008. Engineering, Social Justice and Peace Conference, Northampton MA, April 4-6 2008.
4. Pawley, Alice L. "Roundtable: A critical discussion of "women in science" blogs as tools for recruitment and retention." Inclusive Science: Articulating Theory, Practice and Action. St. Paul MN, June 16-18, 2008.
5. Pawley, Alice L. "Problematizing "engineering": using feminist theories in the study of engineering's history and epistemology." Inclusive Science: Articulating Theory, Practice and Action. St. Paul MN, June 16-18, 2008.
6. Pawley, Alice L., Suzanne Franks, Abel Pharmboy (pseudonym), "Gender and Science: Online and Offline. Presented at ScienceOnline 2009 (Research Triangle Park, NC, January 16-18 2009).
7. ScienceWoman (pseudonym), PropterDoc (pseudonym) Alice L. Pawley, Chris Rowan, SciCurious (pseudonym). "Transitions – Your online persona as your life changes." ScienceOnline 2009, Research Triangle Park, NC, January 16-18, 2009
8. Teresa Maldonado, Martha Absher, and Alice L. Pawley. "Best Practices for Increasing Diversity: Bridging Research and Practice," Invited panelist, at the NSF Engineering Education and Centers Awardees meeting, Reston, VA. March 14-15, 2011.
9. Alice L. Pawley, Ranjani Rao, Stephen R. Hoffmann, Monica E. Cardella, and Matthew W. Ohland. "Connecting ISSST to the classroom: how do we assess sustainability knowledge in undergraduate engineering students?" Special session presented at the IEEE International Symposium on Sustainability Systems and Technology (ISSST), Chicago IL. May 2011.

Posters

1. Pawley, Alice L., Robin S. Adams, Karl A. Smith. "A vision of engineering education today: using YouTube to challenge engineering's disciplinary boundaries in the classroom." National Women's Studies Association National Conference, Atlanta, GA. Nov 12-15, 2009
2. Alice L. Pawley, Dina Banerjee, Jordana Hoegh, Saranya Srinivasan. "ADVANCE-Purdue Research: Toward more inclusive models to help us understand STEM faculty underrepresentation." Joint Annual Meeting, Washington DC. June 7-9, 2010.
3. Alice L. Pawley, Monica E. Cardella, Stephen R. Hoffmann, Matthew W. Ohland, Ranjani Rao. "Assessing Sustainability Knowledge (ASK): Development of a framework to assess engineering undergraduate students' knowledge of sustainability concepts." NSF Engineering Education and Centers Grantees Meeting, Reston VA Jan 31-Feb 1, 2010.
4. Alice L. Pawley, Ranjani Rao, Monica E. Cardella, Stephen R. Hoffmann, Matthew W. Ohland. "Assessing Sustainability Knowledge (ASK): Development of a framework to assess engineering undergraduate students' knowledge of sustainability concepts." NSF Engineering Education and Centers Awardees Meeting, Reston VA, March 14-15, 2011
5. Alice L. Pawley. "CAREER: Learning from Small Numbers: Using personal narratives by underrepresented undergraduate students to promote institutional change in engineering." NSF Engineering Education and Centers Awardees Meeting, Reston VA, March 14-15, 2011

6. Donna Riley, Heidi Waugh, Sophie Mettler-Grove, and Alice L. Pawley. "Building and Breaking: The Dual Degree Engineering Program at Smith College, 1975-1992," Berkshire Conference on the History of Women. 2011
7. Alice L. Pawley, Stephen R. Hoffmann, Monica E. Cardella, Matthew W. Ohland, Ranjani Rao. "Assessing Sustainability Knowledge: Gateway Concepts to Drive Sustainability Content Exploration." NSF Engineering Education and Centers Awardees Meeting, Arlington VA, March 4-6, 2012
8. Alice L. Pawley. "Learning from Small Numbers: Methodological revisions." NSF Engineering Education and Centers Awardees Meeting. Arlington VA March 4-6, 2012.
9. Pawley, Alice L., Stephen R. Hoffmann, Monica E. Cardella, Matthew W. Ohland, Ranjani Lakshman Rao, Abigail R. Jahiel, Thomas P. Seager, Linda Vanasupa, "Assessing Sustainability Knowledge: Producing a framework of critical concepts". American Society for Engineering Education National Conference and Exposition, Indianapolis IN, 2014.
10. Pawley, Alice L., Canek M. L. Phillips, "Learning from Small Numbers: ruling relations in engineering education." EEC PI meeting, Washington D.C. September 2014.
11. Masta, Stephanie, Darryl Dickerson, Alice L. Pawley, & Matthew W. Ohland. (2021, October). "Are you a good teammate or are you a great teammate? The role of coded language in understanding racialized and gendered dynamics in engineering undergraduate teams." Poster presented at the Interdisciplinary Network for Group Research (INGRoup) annual conference. (Virtual).

Invited talks.

1. Pawley, Alice L.* "The "women" problem, the "f" word, and engineering: Some of what engineers need to know about feminist theories of science." Invited speaker. Society of Women Engineers Region H Conference. Madison WI, February 7, 2004.
2. Pawley, Alice L.* "The "woman question," the f-word, and engineering: feminist engineers leading change in higher education." Invited speaker. Society of Women Engineers National Conference, Milwaukee WI, October 14-16, 2004.
3. "The 'woman question,' the f-word, and engineering: why history, language and participation matter." Invited seminar. Presented at the Natural Science Colloquium, Illinois Wesleyan University, Bloomington IL, February 24, 2006.
4. "Inclusivity in Applied Sciences." Panel member with Christine Silva. Queen's University, Kingston ON, March 8, 2006.
5. "The boundaries of engineering and the 'f-word': using feminist technology studies to understand the 'woman question.'" Invited seminar. "Exceptional Experiences: Engineering and Beyond" Visiting Speakers Program of the Faculty of Applied Science, Queen's University, Kingston ON. March 9, 2006.
6. "Gendered epistemologies: looking at language to understand what we think engineering is." ENE Graduate Seminar, Purdue University. November 13, 2007.
7. "My experience using the Purdue Research Process." New Faculty Orientation for the Office of the Vice President for Research, Purdue University September 4, 2008.
8. "Gender in Engineering: A romp down one path." Invited seminar, Society of Women Engineers, University of Wisconsin-Madison chapter. May 9, 2010.
9. "Feminist research in engineering education: practice as an academic." Invited seminar, Chemical Education/STEM Education Research Seminar, Purdue University. November 3, 2010.
10. "Women in STEM Disciplines: Walking Boundaries." Invited seminar, Women's Studies Program Noon Lecture, Purdue University. November 9, 2010.
11. Teresa Maldonado, Martha Absher,* and Alice L. Pawley.* "Best Practices for Increasing Diversity: Bridging Research and Practice," Invited panelist, at the NSF Engineering Education and Centers Awardees meeting, Reston, VA. March 14-15, 2011.

12. "Gender theory and research in engineering education." Invited seminar, joint seminar for the Department Engineering and Science Education, Clemson University, and Department of Engineering Education, Virginia Tech. Presented at Clemson University April 8, 2011.
13. Pawley, Alice L., Lisa McLoughlin, Marisa Orr, Donna Riley. "Engineering and Social Justice: In the University and Beyond." Global Marathon for Women, March 8, 2013. Presented online as a part of National Engineers Week (<http://www.eweek.org/EngineersWeek/GlobalMarathon.aspx>)
14. "Feminist research in engineering education." Invited talk presented at the Electrical and Computer Engineering Department Seminar, University of Illinois October 10, 2013.
15. "Preparing your tenure package: Teaching and service". SWE Women in Academia webinar, with Toni Doolen, May 9, 2014. 27 attendees.
16. "Feminist research in engineering education." Invited talk presented to the Duke University Women in Science and Engineering group, May 15, 2014.
17. COE Industrial Advisory Council "Learning from small numbers: stories collected and used in the service of broadening participation in engineering." October 10, 2014
18. Invited speaker, AAUW Chapter at Purdue University. November 3, 2014
19. "Women in STEM: Navigating Academic Careers". Presented with Alexandra Locher, Cheryl Bodnar, via CIRTLCast, national audience, ~40 people, March 24, 2015.
20. "Assessing sustainability knowledge (ASK): producing a framework of critical concepts.". Oregon State University, June 1 2015.
21. Lightning Talk: "Shift your attention: research that focuses on institutions through people's stories." Competitive submission. Presented at Ed Foo, Google Four Points, April 2, 2017.
22. "Building Social Justice into Engineering Education Research," Office of Interdisciplinary Graduate Studies, Purdue University, September 19, 2017.
23. "Considering gender in engineering education from a structural perspective," School of Chemical Engineering Graduate Seminar, Purdue University, December 5, 2017.
24. "Considering gender in engineering education from a structural perspective," School of Chemical Engineering Graduate Seminar, Purdue University, December 5, 2017.
25. Discussion speaker at film showing of "Bombshell: The Hedy Lamarr Story" at the Art Theater in Champaign, IL, April 2, 2018. Invited to present a short talk and facilitate a discussion about the film and women in STEM fields.
26. Invited keynote: "Shift the default: ruling relations and broadening participation in engineering education." Network Gender and STEM Conference, University of Oregon, August 1 2018.
27. "Beyond "diversity:" considering ruling relations to help make engineering education more socially just." Invited seminar, Colorado School of Mines, September 10, 2018.
28. Invited keynote, "Finding productive rabbit holes: from ChemEng undergrad to NSF-funded engineering education researcher." Northwestern University, SEARLE. June 12, 2019
29. Invited distinguished lecture: "Come get your people!": breaking silences about equity in engineering education research." Education and Research Methods Distinguished Lecture, American Society for Engineering Education Annual Conference and Exposition, June 19, 2019 Tampa, FL.
30. Invited webinar with Donna Riley, "Targeted harassment of engineering education researchers: How to connect with community and support your colleagues under attack." WEPAN Webinar, October 8, 2019.
31. Invited seminar, "Asking questions we walk: Developing a moral infrastructure in engineering education to improve diversity and the response to the climate crisis." Annual Science and Social Context Lecture, Human Rights Program, Purdue University, November 11, 2019.

32. Invited keynote, “How should STEM education address equity, the climate crisis, and its own moral infrastructure?” Annual Festival of Learning, Massachusetts Institute of Technology, Jan 29, 2020.
33. Invited speaker, “Learning from small numbers: theory-informed insights on gender and race.” Virtually presented at the National Academies Panel on Women of Colour in Tech, June 2, 2020.
34. Masta, S., Pawley, A. L. (2020) “Examining the Hard Truths of Whiteness and Maleness in Engineering Education.” Seminar presented virtually at the University of Michigan, September 23, 2021
35. Masta, S., Pawley A. L. (2021) “It’s Time to Have “The Talk”: A Parallel Conversation on Diversity, Equity, and Inclusion in Engineering Education.” Presented virtually at the University of Colorado-Boulder, Department of Mechanical Engineering Distinguished Zoominar, March 29, 2021.
36. Invited speaker, “We need a moral infrastructure: “calling in” the relationship between engineering education’s structural racism and its continuing trivialization of the climate crisis.” Virtually presented as a Lecture at the Leading Edge, Department of Chemical Engineering and Applied Chemistry, University of Toronto, Nov 17, 2021.
37. Invited keynote, “Connecting the climate crisis and social justice in engineering education: in search of a moral infrastructure.” ASEE Zone IV Annual Conference, Vancouver, British Columbia, (Hybrid) May 13, 2022.
38. Invited seminar, “Building a moral infrastructure to address engineering education’s structural inequities and its continuing trivialization of the climate crisis.” Department of Biomedical Engineering, University of Virginia. (Virtual) September 23, 2022.

Invited workshops

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| Engineering Identities. July 23-25, Grafton, NY. Organized by Atsushi Akera, RPI. | 2009 |
| Gender in Engineering Education. July 1-2, TU Delft, Netherlands. Organized by Maura Borrego, Brent Jesiek, Kasey Beddoes. | 2009 |
| NSF Workshop: Integrating Microethics and Macroethics in Graduate Science and Engineering Education. February 26-28, Arizona State University, Tempe AZ. Organized by Joseph Herkert. | 2009 |
| Society of Women Engineers 60 th Anniversary Project. Invited scholar. First workshop held January 8-10, Reuther Library Archives, Wayne State University. | 2009-2011 |
| Daily writing for academic scientists and engineers. <i>National Center for Faculty Development and Diversity</i> . February 6, 2019. Webinar. | 2019 |

TEACHING (since 2007)

History and Philosophy of Engineering Education – ENE first year PhD course

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| ENE 695M: History and Philosophy of Engineering Education (3 cr)
8 graduate students. Co-instructor with Karl Smith, Robin Adams, Holly Matusovich | Fall 2007 |
| ENE 69500 05: History and Philosophy of Engineering Education (3 cr)
9 graduate students. Co-instructor with Robin Adams, Karl Smith. | Fall 2008 |
| ENE 502: History and Philosophy of Engineering Education (3 cr).
17 graduate students. Co-instructor with Robin Adams | Fall 2009 |
| 21 graduate students. Co-instructor with Robin Adams. | Fall 2010 |
| 23 graduate students. Co-instructor with Brent Jesiek | Fall 2011 |
| 16 graduate students. Co-instructor with Robin Adams and Brent Jesiek | Fall 2014 |
| 22 graduate students. Co-instructor with Robin Adams | Fall 2017 |
| 12 graduate students. | Fall 2018 |
| 8 graduate students. Revised to hybrid online model. | Fall 2019 |
| 15 graduate students. Held online due to COVID. | Fall 2020 |

21 graduate students. Held hybrid due to COVID and incorporation into Online MS. Fall 2021
12 graduate students. Held hybrid due to COVID and incorporation into Online MS Fall 2022

First-Year Engineering courses

ENGR 126: Engineering Problem-Solving and Computer Tools (3 cr) Fall 2007
~220 undergraduate students. Co-instructor with Monica Cardella.

ENGR12600: Engineering Problem-Solving and Computer Tools (3 cr) Spring 2009
120 undergraduate students.

ENGR 132: Ideas to Innovation 2 (2 cr)

117 undergraduate students	Spring 2012
117 undergraduate students	Spring 2013
117 undergraduate students	Spring 2014
116 undergraduate students	Spring 2015
119 undergraduate students	Spring 2017
83 undergraduate students	Fall 2017
115 undergraduate students and 107 undergraduate students	Spring 2018
120 undergraduate students	Spring 2020
2 sections of approximately 120 students	Spring 2021
1 section of approximately 120 students	Spring 2022

ENGR 131: Ideas to Innovation 1 (2 cr)

120 undergraduate students (as ENGR 195).	Fall 2009
2 sections with ~120 undergraduate students each.	Fall 2010

Other graduate courses:

ENE 695: Race, Class, and Gender in Engineering Education (3 cr)

10 graduate students, 1 community member.	Fall 2013
6 graduate students (crosslisted with WOST 681)	Fall 2018
5 graduate students (crosslisted with WOST 680) – ended online due to COVID	Spring 2020
11 graduate students (crosslisted with WOST 680) – hybrid due to COVID	Spring 2022

PhD committees chaired: Marisol Mercado Santiago (2014), Corey Schimpf (2015), Michele Yatchmeneff (2015), Canek Phillips (co-chaired with Matthew Ohland; 2016), Casey Wright (co-chaired with Angeline Lyon, Chemistry; 2022).

Current students: Virginia Booth-Womack (co-chair with Stephanie Masta), Aziz Dridi, Austin Peters (co-chair with Stephanie Masta), Sowmya Panuganti (co-chair with Justin Hess), Theo Sorg.

Other PhD committees served on: at least 20 who have graduated; 4 currently.

MS degrees chaired: Ian Nelson (2014), Fantasi Nicole Curry (2021).

Postdoctoral researchers mentored: Dina Banerjee (2009-11), Saranya Srinivasan (2009-10), Kacey Beddoes (2011-2014), Casey Wright (2022-current)

Workshops offered: 12 (local, at other campuses, and national workshops)

SERVICE (selected)

Advisory Boards – at least 39 boards (invited or serving) from 2010-present.

Journal article reviewer for *Advances in Engineering Education*, *Chemical Engineering Education*, *Communication Yearbook 33* (2008), *Diversity in Higher Education* (2020) *Engineering Studies*, *Entrepreneurship Education and Pedagogy*, *European Journal for Engineering Education*, *Gender and Education* (2020-21), *Feminist Formations* (2019), *International Journal of Engineering Education*, *International Journal for Engineering and Social Justice*, *International Journal of Qualitative Studies in*

Education (2020), Journal of Higher Education, Journal of Engineering Education, Journal of Women and Minorities in Science and Engineering, Science Education (2016), Science and Engineering Ethics (2014), Studies in Higher Education (2019), Sociology of Education (2018), Rural Sociology (2009).

<i>National meeting abstract and/or paper reviewer</i>	
Frontiers in Education	2006-2011
Women in Engineering Programs and Advocates Network	2005-2007
American Society for Engineering Education	2003-present
<i>National society service</i>	
National Women's Studies Association Science and Technology Taskforce co-chair	2010-2012
National Women's Studies Association Science and Technology Taskforce technology co-chair	2008-2012
ASEE Educational Research Methods Apprentice Faculty Grant reviewer	2009-2012
Associate editor, <i>Engineering Studies</i> (Taylor & Francis)	2019-current
<i>Campus committee work:</i>	
First-year engineering curriculum committee (member)	2007-2008
ENGR 126 redesign committee (member)	2007-2008
ENE Graduate recruitment committee (chair; member)	2007-2011
Chair, Fall 2009-2011.	
Organized and presented on recruiting trips to Smith College, WPI, and UW-Madison in April, 2008.	
ENE faculty search committee (member)	2007-2008
Chemistry committee representative	2007-2012
ENE Seminar series (organizer)	S2008-F2009, S2013-S2015
College of Engineering Dean's Diversity Task Force (member)	2008-2009
Faculty/Staff/Visitor Subgroup (chair)	
ENE graduate orientation program (chair)	2008-2009
New First Year Experience research committee (member)	2008-2009
Purdue Gender in STEM Research Interest Group (organizer)	2008-2011
ASEE Student Chapter (faculty co-advisor)	2008-2013
ENE Departmental Art Committee	2009-2011
College of Engineering Faculty Affairs Committee (ENE representative)	F2009-2014
College of Engineering Women Faculty in Engineering Committee	2007-present
NOGLSTP-Purdue Student Chapter (faculty advisor)	2011-2013
ENE Primary Committee	2013-present
ENE Faculty Professional Development and Awards Committee	2014-2016
College of Engineering Dean's Selection Advisory Committee	2016-2017
ENE Community Team (chair)	2017-F2022
School of Engineering Education Faculty Search Committee	2018-19, 2021-22, 2022-23
First Year Engineering Strategic Plan Team	F2022
<i>University Senate</i>	
Senator, Engineering Education	2019-current
Educational Policy Committee (vice chair 2021-22; member 2022-23)	2021-2022
Sustainability Committee (chair, 2021-23; member 2020-current)	2021-2022
<i>Campus organizational work:</i>	
Gender and STEM Research Interest Group (facilitator)	2008-2012
Annual Gender and STEM Research Symposium (founder, organizer)	2010-2011
First conference: Feb 19, 2010; Second conference Feb 17-18, 2011.	
Activism around Paid Time Off policy change (2017), health insurance cuts (2018), lactation room availability and use (2016-present), student voter ID rights (2019) climate crisis (2019)	2017-present
American Association of University Professors – Purdue chapter secretary/treasurer 2018-2020	2018-present

president, 2020-2022
interim president 2022-23
executive committee 2023-current

Online

Co-blogger, <i>Sciencewomen</i> , scienceblogs.com/sciencewomen	2008-2009
Blogger, <i>Engineering Education</i> , engineeringeducation.wordpress.com	2008-2010
Associate editor, <i>Engineering Pathway</i> , engineeringpathway.com (part of the National Science Digital Library)	2008-2009
Blogger, <i>Feminist Science & Technology</i> , femscitech.wordpress.com	2008-2010
Wiki editor, <i>Feminist Science & Technology</i> , femscitech.pbworks.com	2008-2012

Colleague mentoring

Founder and coordinator, PineMountain Engineering Education Research (PEER) Collaborative, begun November 2008 with faculty from Purdue University, Virginia Tech, Clemson University, Smith College, University of Georgia. First retreat held March 2009; expansion to national workshop and network in 2011 (NSF EEC-1129455), maintenance in 2012, expansion again to national workshop in 2013. Collaboratively wrote ASEE paper in 2014, and held a self-funded workshop in June 2014, June 2015, and June 2016. New leadership continues to hold annual workshops associated with ASEE National Conference.

Coach, National Center for Faculty Development and Diversity Summer 2015

PROFESSIONAL AFFILIATIONS (*selected*)

American Society for Engineering Education (ASEE) – member, past student chapter co-advisor. (ERM, LEED, MIND & WIED Division member)

International Network for Engineering Studies (INES) - member

National Organization for Gay and Lesbian Professionals in Science and Technology (NOGLSTP) – past Purdue chapter faculty advisor and member