

Andrew Fiss

Associate Professor of Technical and Professional Communication
Department of Humanities
Michigan Technological University
1400 Townsend Dr.
Houghton, MI 49931
afiss@mtu.edu

ACADEMIC POSITIONS

Associate Professor of Technical and Professional Communication

Michigan Technological University (2021-present)

Director of Graduate Studies, RTC: Rhetoric, Theory, and Culture (2021-2023)

Assistant Professor of Technical and Professional Communication (2014-2021)

Director of BA/BS Programs in Scientific and Technical Communication (2020-2021)

Postdoctoral Fellow, Writing and History (Davidson College, 2013-2014)

Mellon Postdoctoral Fellow in Science, Technology, and Society (STS) and Participating

Faculty in Women's Studies (Vassar College, 2011-2013)

Associate Instructor and Research Assistant (Indiana University, 2006-2011)

EDUCATION

Ph.D. (2011), History and Philosophy of Science, Indiana University

Advisor: Sander Gliboff, Committee: James H. Capshaw, Jutta Schickore, Kevin M.

Pilgrim, and Michael McGerr; **Minor:** History

Dissertation: "Professing Mathematics: Science and Education in Nineteenth-Century America"

M.A. (2007), History and Philosophy of Science, Indiana University

A.B. (2005), Mathematics, Vassar College

Phi Beta Kappa, General Honors, Honors in Mathematics

BOOK

Fiss, Andrew. *Performing Math: A History of Communication and Anxiety in the American Mathematics Classroom*. New Brunswick, NJ: Rutgers University Press, November 2020.

- Winner of the [Best Book Award in Technical or Scientific Communication](#), Conference on College Composition and Communication (2023).
- Reviewed: David E. Dunning, *British Journal for the History of Science* 56, no. 3 (2023): 411-412; Devin Kennedy, *Isis* 113, no. 4 (2022): 882-883.
- Inspired Special Issues: *Endeavour*, vol. 47, no. 4 (December 2023) on "Calculating Couples: Domesticity and Gender in the Making of Mathematical Careers"; *Technical Communication Quarterly*, vol. 34, no. 3 (2025) on "Archives and AI: Theories, Methodologies, and Practices"

PEER-REVIEWED ARTICLES

Fiss, Andrew. "'No mining engineer could be a lady': A Historical Case Study of Drag and Humor in Technical Writing, 1911-1917," *Technical Communication Quarterly* (2026), <https://doi.org/10.1080/10572252.2026.2623667>.

- Andrew Fiss** and Laura Kasson Fiss. “Historically Speaking – A New Ballad of Sir Patrick Spens,” *MAA Convergence*. (Accepted).
- Fiss, Andrew.** “Cooking with Scissors and Paste: Recoveries and Reconsiderations of Motta Sims’s Composition Book at Spelman College.” *Peitho Journal* 27, no. 1 (2024): 236-248.
- Schelly, Chelsea, Valoree Gagnon, Kristin Arola, **Andrew Fiss**, Marie Schaefer, and Kathleen E. Halvorsen. “Cultural imaginaries or incommensurable ontologies? Relationality and sovereignty as worldviews in socio-technological system transitions.” *Energy Research & Social Science* 80 (October 2021): 102242.
- Fiss, Andrew.** “Ridicule, Technical Communication, and Nineteenth-Century Women Performing College Math.” *Technical Communication Quarterly* 30, no. 2 (2021): 143-156.
- Inspired Special Issue: *Technical Communication Quarterly*, vol. 34, no. 3 (2025) on “Archives and AI: Theories, Methodologies, and Practices”
- Schelly, Chelsea, Douglas Bessette, Kathleen Brosemer, Valoree Gagnon, Kristin L. Arola, **Andrew Fiss**, Joshua M. Pearce, and Kathleen E. Halvorsen. “Energy Policy for Energy Sovereignty: Can Policy Tools Enhance Energy Sovereignty?” *Solar Energy* 205 (15 July 2020): 109-112.
- Fiss, Andrew.** “Mathmagics of Media Princesses: Informal STEM Learning, STEM Rhetorics, and Animated Children’s Movies.” *Peitho Journal* 22, no.1 (2019): 128-142.
- Fiss, Andrew** and Laura Kasson Fiss. “Laughing Out of Math Class: The Vassar *Mathematikado* and Nineteenth-Century Women’s Education.” *Configurations* 27, no.3 (2019): 301-329.
- “Notable Writing” Citation in *Best Writing on Mathematics 2020*, by Mircea Pitici (Princeton University Press, 2020).
- Fiss, Andrew.** “Structures of Antifeminism: Drugs and Women’s Education in the Texts of Dr. Clarke.” *Peitho Journal* 21, no.1 (2018): 81-103.
- Fiss, Andrew.** “Studying Objects, Objectifying Students: Natural History at Women’s Colleges in Postbellum New York State.” *New York History* 98, no.2 (2017): 205-229.
- Fiss, Andrew.** “Mathematics and Mourning: Textbook Burial and Student Culture Before and After the Civil War, 1853-1880.” *History of Education Quarterly* 57, no.2 (2017): 221-246.
- Fiss, Andrew.** “Cultivating Parabolas in the Parlor Garden: Reconciling Mathematics Education and Feminine Ideals in Nineteenth-Century America.” *Science & Education* Special Issue in the *History and Philosophy of Mathematics Education* 23, no.1 (2014): 241-250.
- Fiss, Andrew.** “Problems of Abstraction: Defining an American Standard for Mathematics Education at the Turn of the Twentieth Century.” *Science & Education* 21, no.8 (2012): 1185-1197.

BOOK CHAPTERS

- Fiss, Andrew.** “Mathematics in and Mathematics as Cultural Production.” In *Springer Handbook of Historiography of Mathematics*, edited by Emily Hamilton. Springer, 2027. (Submitted.)
- Fiss, Andrew.** “‘For Computing Is Our Duty’: Algorithmic Workers, Servants, and Women at the Harvard Observatory.” In [*Algorithmic Modernity: Mechanizing Thought and Action*](#).

- [1500-2000](#), edited by Massimo Mazzotti and Morgan G. Ames. Oxford University Press, 2022. (Peer-reviewed.)
- Bessette, Douglas, Chelsea Schelly, Laura Schmitt Olabisi, Valoree S. Gagnon, **Andrew Fiss**, Kristin L. Arola, Elise Matz, Rebecca Ong, and Kathleen E. Halvorsen. "Energy democracy in practice: Centering energy sovereignty in rural communities and Tribal Nations." In [Routledge Handbook of Energy Democracy](#). Routledge, 2021, pp.408-419.
- Chaney, Joseph, **Andrew Fiss**, Paul Carey, and Francisco Iacobelli. "Balancing Graduate School and Family." In [GPS for Graduate School: Students Share Their Stories](#), edited by Mark J.T. Smith, 107-125. Purdue, IN: Purdue University Press, 2014.

BOOK REVIEWS AND OUTREACH PUBLICATIONS

- Hunter, E.A. and **Andrew Fiss**. "Review of Niccolò Guicciardini, editor, [Anachronisms in the History of Mathematics: Essays on the Historical Interpretation of Mathematical Texts](#)." *The Mathematical Intelligencer* 47, no. 3 (Fall 2025): 277-281.
- Fiss, Andrew**. "The half-burned Collegiate Algebra: College Cultures and Chance Preservation." *The Mathematical Intelligencer* 47, no. 1 (Spring 2025): 44-51.
- Fiss, Andrew**. "Review of Christopher Hollings et al, [Ada Lovelace: The Making of a Computer Scientist](#)." *Isis* 111, no.1 (2020): 182-183.
- Fiss, Andrew**. "Review of Hottinger, Sara N., *Inventing the Mathematician: Gender, Race, and Our Cultural Understanding of Mathematics*." H-Net Reviews: Humanities and Social Sciences Online (April 2017), <http://www.h-net.org/reviews/showrev.php?id=48539>.
- Fiss, Andrew** and Matthew Vest. "Broadcasting Science Writing: Media Translations in Liberal Arts Pedagogy." NITLE's Special Issue on Digital Collaboration and Blended/Hybrid Learning (August 2014), <https://escholarship.org/uc/item/5z70m6sh>.

PODCAST APPEARANCES

- with Antony Adler, Asif Siddiqi, and Betty Smocovitis, "History of Science in Song." Produced by the Consortium for the History of Science, Technology and Medicine. *Historical Perspectives On Contemporary Issues - History of Science Society at 100*. Recorded December 11, 2023. Podcast, audio, 58:49, <https://www.chstm.org/video/157#24326>.
- with Miranda Melcher. "Performing Math: An Interview with Andrew Fiss." Produced by The New Books Network. *New Books Network*. November 9, 2022. Podcast, audio, 44:10, <https://newbooksnetwork.com/performing-math>.
- with Stephen Harris, Amy C. Chambers, and Laura Kasson Fiss. "17: Science by the Seaside." Produced by The Conversation UK. *The Anthill*. September 13, 2017. Podcast, audio, 35:40, <https://theconversation.com/anthill-17-science-by-the-seaside-84008>.

MEDIA COVERAGE

FOR PERFORMING MATH:

- LJ Reviews. "Super Math, Performing Math, Mathematics of the Gods and Algorithms of Men, and More in Mathematics. Academic Best Sellers." *Library Journal*, July 28, 2021.
- "Mixed Media." *VQ: Vassar College Alumnae/i Quarterly*, 117 (Spring 2021).
- Mills, Allison. "Published in 2020." *Michigan Tech Research Magazine*, April 2021, <https://www.mtu.edu/magazine/research/2021/stories/published-2020/>.

FOR THE MATHEMATIKADO:

Mills, Allison. "The Mathematikado: A Parody of a Parody." *Michigan Tech News*, September 5, 2019,
<https://www.mtu.edu/news/stories/2019/september/the-mathematikado-a-parody-of-a-parody.html>.

(Also reposted by *ACM Careers*, *Phys/Science X*, and Vassar's *In the Media*.)

Rinkinen, Shannon. "Science with a Side of Parody." Research in Brief, *Michigan Tech Research Magazine*, July 2018, <https://www.mtu.edu/magazine/research/2018/stories/brief/>.

FOR "STRUCTURES OF ANTIFEMINISM":

Christensen, Kelley. "Gender, Drugs and Education: A History of STEM Antifeminism." *Michigan Tech News*, November 8, 2018,
<https://www.mtu.edu/news/stories/2018/november/gender-drugs-and-education-a-history-of-stem-antifeminism.html>.

COLLABORATIONS WITH NEWS WRITERS:

Mills, Allison. "What If? Why Engineers Need Afrofuturism, Literature, and Composition 101." *Tech Century: A Publication of the Engineering Society of Detroit*, 26 (Spring 2021): 26-29.

Brassard, Jess. "May the Fourth: Science of Star Wars." *Unscripted: Science and Engineering Research from Michigan Tech*, May 3, 2016,
<http://www.mtu.edu/unscripted/stories/2016/may/may-fourth-science-star-wars.html>.

INVITED LECTURES

"'i don't do math': Considered Historically." Invited Remarks for the "'i don't do math" Art Exhibition, Fields Institute for Research in Mathematical Sciences, University of Toronto, October 2025. (Online Participation.)

"Of Mathletes and Math Whizzes: Embodied Experiences of High-Stakes Testing in U.S. News about the IMO." Invited Lecturer for Chronicles of Brilliance in Mathematical Performance (A Mathematics for Humanity Programme), International Centre for Mathematical Sciences, Edinburgh, UK, March 2025.

"Professional Symbols: Parody and the Broader Reach of Local Mathematics." Chosen Contribution for the Workshop on Universals' Locales, University of Edinburgh and the British Academy, January 2020.

"Female 'Mathematikados': Parodying the Patriarchy in 19th-century STEMM Education," with Laura Kasson Fiss. Invited Lecture for the British Science Festival, British Science Association (formerly the British Association for the Advancement of Science), September 2017.

"'For Computing Is Our Duty': How Women Became Computers." Invited Contribution for the Algorithmic Thinking Symposium, UC Berkeley Center for Science, Technology, Medicine and Society, Social Science Matrix, Institute of International Studies, May 2017.

"From Practical Mathematics to Army Management: Engineering in the Civil War." Invited Lecture sponsored by the Department of Mathematics, Marist College, March 2012.

REFEREED CONFERENCE PRESENTATIONS

- “‘This math is made for you and me’: Songs of professional societies and the problems of memorializing IHST,” History of Science Society Annual Meeting, New Orleans, LA, November 2025. (Sponsored Roundtable from the Forum for the History of Mathematical Sciences)
- “‘Dos y dos son cuatro’: Reassessing the place of Spanish-language sources in histories of American mathematics education,” History of Science Society Annual Meeting, Mérida, Mexico, November 2024. (Sponsored Session from the Forum for the History of Mathematical Sciences)
- “Portfolio Assignments 10+ Years Later: Liberatory Pedagogy to Program Assessment?” ATTW 2024, Association of Teachers of Technical Writing Conference, Virtual, June 2024.
- “‘Compute, observe, and mark my word’: Collaborative Mathematics and Joint Authorship through Harvard’s Observatory Pinafore, 1879.” Invited Contribution to the Special Session on the History of Mathematics, Joint Mathematics Meetings 2024, San Francisco, January 2024.
- “Singing Songs of HSS: Joking about the Standards of the Discipline, 1960s-1980s.” History of Science Society Annual Meeting, Digital Festival, December 2023.
- “The Sound of Science: College Songs and Rhetorical Ridicule in 1880s America.” Feminisms and Rhetorics 2023, Spelman College, Atlanta, October 2023.
- “Computing between Languages and Mathematics: Technical and Professional Writing of Grace Murray Hopper and Winifred ‘Tim’ Asprey.” Conference on College Composition and Communication, Chicago, February 2023.
- “Genetic Algorithm between Biology and Computational Mathematics: Dispute at the University of Michigan, 1967-1970.” History of Science Society Annual Meeting, Chicago, November 2022.
- “Writing Welcome: Recruitment as intentional invitation to inclusive spaces in graduate education,” with Jen Almjeld, Laura Kasson Fiss, Karen Kuralt, Kailyn Shartel Hall, Eric Leake, and Matthew Moberly. Conference on College Composition and Communication, Online, March 2022.
- “The Paper for Practical Men: Transnational Constructions of Engineering Identities through Periodicals,” with Laura Kasson Fiss. History of Science Society Annual Meeting, Online, November 2021.
- “Invitation Stories: Program profiles as recruitment tool,” with Jennifer Almjeld, Karen Kuralt, Kailyn Shartel Hall, Eric Leake, and Matthew Moberly. CPTSC (Council for Programs in Technical and Scientific Communication) Annual Conference, Virtual, October 2021.
- “‘Pioneer of the Technical and Trade Press of the World’: Mining Periodicals in the Holdings of Michigan Technological University,” with Laura Kasson Fiss and Michelle Jarvie-Eggart. Conference of the Research Society for Victorian Periodicals, Virtual, September 2021.
- “Toward a History of Math Anxiety: From Oral Examination to Written Testing in American Redefinitions of Student Performance.” International Congress of History of Science and Technology, Virtual, July 2021.
- “Convergence Evaluation for Convergence Research: Reflection, Transdisciplinarity, and Team Science.” Conference on College Composition and Communication, Virtual, April 2021.

- “Sounds of Sound Health: Historical Traditions of Student Singing about Health and Science.” Conference on College Composition and Communication, Virtual, March 2020.
- “Turning Health Fears into a Joke: Vassar Students’ Covert Rhetorics of Ridicule, 1860s-1880s.” International Society for the History of Rhetoric, New Orleans, LA, July 2019.
- “Religious Mourning and Mathematical Achievement: Burying Anna Lytics at 1870s Bowdoin College (and Bates College).” Conference on College Composition and Communication, Kansas City, March 2018.
- “Performing ‘Trig’: The Stakes of Embodying Mathematics in Student Plays.” The History of Science Society Annual Meeting, Atlanta, GA, November 2016. (Women’s Caucus Featured Roundtable)
- “The Drug of Women’s Education: Dr. E.H. Clarke’s *Materia Medica* as Context for his *Sex in Education* (1873).” The History of Science Society Annual Meeting, Atlanta, GA, November 2016.
- “Studying Objects, Objectifying Students: Natural History at New York State Women’s Colleges, 1861-1875.” The Interdisciplinary Nineteenth-Century Studies Conference, Asheville, NC, March 2016.
- “Performing Trigonometry: Scientific Parody and Women’s Mathematical Abilities in Late-Nineteenth-Century America.” The History of Science Society Annual Meeting, San Francisco, CA, November 2015.
- “Who’s Anna? Burying Mathematics Books in order to Remember the Civil War Dead at Nineteenth-Century New England Colleges.” Invited Contribution to the Special Session about the History and Philosophy of Mathematics, American Mathematical Society (Eastern Section), Georgetown University, Washington, D.C., March 2015.
- “Burying Anna (Lytics): Mathematics Rituals and College Communities after the Civil War.” The History of Education Society Annual Meeting, Indianapolis, IN, November 2014.
- “Learning the Ceremonial Rites of Engineers: Industrialization and Book Burning in 1840s America.” The Interdisciplinary Nineteenth-Century Studies Conference, University of Houston, March 2014.
- “The Burial of Euclid: Defacing Geometry in Early-Nineteenth-Century America.” Invited Contribution to the Special Session about the History and Philosophy of Mathematics, American Mathematical Society (Eastern Section), Boston College, April 2013.
- “Mathematical Work, Mathematical Leisure: The Education of American Adolescents in the Early Nineteenth Century.” The Interdisciplinary Nineteenth-Century Studies Conference, University of Virginia, March 2013.
- “Teaching the U.S. Antislavery Movement through Music,” with Rebecca Edwards, Peter Buntin, and Laura Kasson Fiss. The Annual Conference for the New York State Council for Social Studies and New York State Social Studies Supervisors Association, Rye Brook, NY, March 2013.
- “(En)gendering American Mathematics: Mathematics Education at Male Colleges and Female Seminaries, 1819-1840.” The History of Science Society Annual Meeting, San Diego, CA, November 2012.
- “Problems of Abstraction: Defining an American Standard for Collegiate Mathematics Education at the Turn of the 20th Century.” The History of Science Society Annual Meeting, Montréal, Quebec, November 2010.

- “The Effects of the Civil War on College-Level Math Education.” History and Pedagogy of Mathematics (Americas Section), Washington, D.C., March 2010.
- “The Civil War and American Mathematics: How the Wartime Employment of Mathematicians Transformed the Discipline.” The History of Science Society Annual Meeting, Phoenix, Arizona, November 2009. (Poster Session)
- “Matrix: The History of a Mathematical Idea.” The “Challenges to Change/New Voices in Academia” Conference, Indiana University, March 2009.
- “Situated Knowledge and the Limits of History.” The “Open Secrets” Graduate Conference, Indiana University, March 2008.
- “A Case Study in Industrial Math: Ultrasound.” Hudson River Undergraduate Mathematics Conference, Williams College, April 2005.

WORKSHOPS LED (REGIONAL AND LOCAL)

- “Risk Communication and Persuasion,” with Jamie Racklyeft. Great Lakes Encounter Symposium, Michigan Tech, June 2022.
- “WRITE-D: Applying Write-on-Site to Graduate Work in the Disciplines,” with Sarah Isaacson. Upper Peninsula Teaching and Learning Workshop, Virtual, March 2021.
- “Faculty-guided Peer-to-Peer Learning in the Online Classroom,” with Maria Bergstrom. Upper Peninsula Teaching and Learning Conference, Michigan Tech, May 2019.
- “4 Tips to Jump-Start Your Writing,” with Karla Kitalong. Workshop for the Michigan Physiological Society, Michigan Tech, June 2018.
- “Science Songs in Formal and Informal Education,” with Laura Kasson Fiss. Teachers of Tomorrow Lecture Series, Michigan Tech Teachers of Tomorrow Student Group, April 2017.
- “Learning from the Past: 19th Century Student Perspectives on Science Education.” Presentation for TechTalks, Michigan Tech Research Forum, December 2016.
- “Podcasting Workshop: Sound in Multimodal Composition.” First-Year Composition Instructors, Michigan Tech Composition Program, October 2014.
- “Staring at a Blank Screen: How to Begin with Science Writing?” Presentation for the Catalyst Group, North Carolina Research Campus, November 2013.
- “Experimenting in the Kitchen: The Relevance of Nineteenth-Century Home Economics for the Twenty-First Century.” Faculty Research Presentation during New Student Orientation, Vassar College, August 2012.
- “Reexamining ‘The Great Experiment’: Vassar Students as Objects of Scientific Scrutiny, 1865-1875.” First Friday lecture sponsored by the Programs in Science, Technology, and Society (STS) and Women’s Studies, Vassar College, April 2012.

WORKSHOPS/CONFERENCES ATTENDED

- Seminar on the “Historiography of Mathematical Symbolism,” British Academy Global Professorship and The University of Edinburgh - Spring/Summer 2025
- Design Thinking Workshop, Michigan Tech Pavlis Honors College - August 2018
- Science Communication Workshop through the Alan Alda Center, Michigan Tech - August 2017
- UP-STEAM (STEM + Arts) Pilot Workshop, Michigan Tech - Summer 2016
- Pedagogy in Action Summer Institute, Vassar College - Summer 2012

GRANTS

Senior Personnel in Kathy Halvorsen (PI), “GCR: Foundations for a Convergent Discipline in Socio-Technical System Transitions through Research on Michigan Community and Anishinaabe Renewable Energy Sovereignty (MICARES),” *National Science Foundation*, Summer 2020-2021. (\$17,981 of \$2.7-million total.)

Named Personnel in Marika Seigel and Mary Raber (PIs), “Human-Centered Engineering Initiative,” *NEH Humanities Planning Grant*, Fall 2019-Summer 2020. (\$1,570 of \$34,909 total.)

Guest Speaker in Val Gagnon (PI), “Ge-izhi-mawanji-idiyang dazhindamang gidakiiminaa (the way in which we meet to talk about our earth),” *Native American Heritage Fund*, Winter 2018-Summer 2019. (\$400.)

PI in “Mathematical Textbooks, Toys, and their Historical Traces: Investigating Artifacts at the Smithsonian Libraries and Museums,” *Michigan Tech Research Excellence Fund*, July 2018-June 2019. (\$3,009 total.)

Co-PI in “Science and Technology Studies (STS) in the Liberal Arts,” *Alliance to Advance Liberal Arts College Collaborative Workshop Grant*, 2013. (\$14,088 total.)

RESEARCH CERTIFICATIONS

IACUC Members, Essentials for, CITI Program (2020-2026)

Social/Behavioral Research, Basic Course, CITI Program (2020-2026)

TRAVEL GRANTS

History of Science Society Grant for Conference Travel (2016)

National Science Foundation Grants for Conference Travel (2010, 2012, 2015)

College of Arts and Sciences (Indiana University) Grant for Conference Travel (2009)

AWARDS, FELLOWSHIPS, AND OTHER RECOGNITIONS

2023 Best Book in Technical or Scientific Communication for *Performing Math*, Conference on College Composition and Communication (2023)

Top 10% of Teaching Evaluations for similarly sized sections, Provost’s Office, Michigan Technological University (Fall 2020, Fall 2021, Fall 2024)

Performing Math listed as an Academic Best Seller in *Library Journal* (July 2021)

(with Laura Kasson Fiss) “Notable Writing” Citation for the 2019 “Mathematikado” article in *Best Writing on Mathematics 2020* (Princeton UP)

Recognition of Excellence in Transitioning from Face-to-Face Instruction to Remote Learning, Provost’s Office, Michigan Technological University (2020)

Student-Nominated Teaching Mentor for New Faculty, Waino Wahtera Center for Student Success, Michigan Technological University (2018)

Richard Westfall Fellowship, Indiana University (2010)

Alliances for Graduate Education and the Professoriate (AGEP) Award from the National Science Foundation (2005-2010)

Phi Beta Kappa, Mu Chapter of New York, Vassar College (2005)

Adolf Sutro Fellowship, Vassar College (2005)

CLASSES TAUGHT*MICHIGAN TECHNOLOGICAL UNIVERSITY*

Humanities 2130: Introduction to Rhetoric
 Humanities 2600: Introduction to Scientific and Technical Communication
 Humanities 3105: Writing About Numbers
 Humanities 3120: Technical and Professional Communication
 Humanities 3130: Rhetoric of Science and Technology
 Humanities 3557: Literature and Science
 Humanities 3693/4693: Science Writing
 Humanities 3694: Grant Writing
 Humanities 4050/4600: Humanities Internship
 Humanities 4625: Risk Communication
 Humanities 5000: Introduction to Graduate Studies in Rhetoric, Theory, and Culture
 Humanities 5003: Technical and Scientific Communication
 Humanities 5900: Independent Study
 Humanities 5990: Thesis
 Humanities 5991: Special Projects
 Humanities 5932: Practicum in Teaching Technical Communication
 Humanities 6070: Public Understandings of Science
 Humanities 6900: Independent Study
 Humanities 6901: Directed Reading
 Humanities 6903: Doctoral Qualifying Exam
 Humanities 6990: Doctoral Research

GUEST LECTURES

Michigan Tech Communications for Natural Resources Professionals (2019-2022)
 Keweenaw Bay Ojibwe Community College Natural Sciences (2019)

TEACHING CERTIFICATION

Fundamentals of Online Teaching, University of Wisconsin (Completed July 2020)

DAVIDSON COLLEGE

Writing 101: Science and its Publics (Writing Seminar)
 History 142: The United States since 1877
 History 259: American Scientific Controversies, 1813-2013

VASSAR COLLEGE

STS 180: The Scientific Child
 STS 184: Topics in the Global History of Science/Medicine (Writing Seminar)
 STS 200: Science and Technology Studies
 STS/WMST 248: Gender and Science
 STS/WMST 375: Race, Gender, and Science (with Jill Schneiderman)

INDIANA UNIVERSITY

HPSC X102: Revolutions in Science: Plato to NATO

HPSC X123: Feminism, Science, and Society

ADVISING

MICHIGAN TECHNOLOGICAL UNIVERSITY

Doctoral Advisor, D-Jay Bidwell (2023-present)

Tori Reeder (2020-2024), “[An Examination of Scientific and Technical Communication for Forensic Engineering and Forensic Pathology](#)” (2024).

Doctoral Co-Advisor

John Velat (2020-2023), “[The Rhetorical Art of Risk Assessment: Lessons from Risk Management in Rural and Tribal Communities](#)” (2023).

Advisor to New MS/PhD Students (10 students) (2021-2023)

Masters Advisor, Cornelius Suom-Kogle (2025-2026)

Emily Simmons (2017-2018), “[Accessing Library Space: Spatial Rhetorics from the U.S. to France and Back Again](#)” (2018). Winner of the Nomination for the MS Thesis Competition of the Midwestern Association of Graduate Schools (MAGS/ProQuest) 2020.

Emma Lozon (2017-2018), “[Communicating the Health Impacts of Climate Change: From Conviction to Persuasion](#)” (2018).

Richard Ward (2016-2017), “[The Visual and Performing Arts in the Technical Communication Classroom: Reinforcing the University’s Internal Community Literacy via Service-Learning](#)” (2017).

Masters Advisory Committee Member, Hooriya Habib (2025-2026).

Doctoral Advisory Committee Member (RTC), Lior Rosenfeld (2024-present), Jordan Dagenais (2024-present)

Brilynn Janckila (2023-2025), “[Barbie as Teen Girl Influencer for Little Girls](#)” (2025)

Fredrica Markson Eduaful (2021-2024), “[Constructing Childhood Justice within Postcolonial/Decolonized Digital African Childhood Experiences: Philanthropic Websites as Sites of Possibility](#)” (2024)

Emma Lozon (2018-2021), “[Assembling Dietary Access: Digital Rhetorics of Food as Tactical Technical Communication](#)” (2021).

William De Herder (2020), “[Power and Possibilities in the Center: An Articulation Theory Tool for Writing Center Work](#)” (2020).

Shelly Galliah (2015-2020), “[“You Don’t Need People’s Opinions on a Fact!”: Satirical Comedy Corrects Climate Change Disinformation](#)” (2020).

Doctoral Advisory Committee Member (Beyond RTC)

Brittany Nelson (Applied Cognitive Science and Human Factors, 2020-2023), “[Making Scientific Information Usable: Development and Assessment of a Novel Invention to Boost Healthy Life-style Decision-making](#)” (2023)

Co-Advisor for Undergraduate Research (through the Summer Undergraduate Research Fellowship Program), Savannah de Luca (Summer 2017)

Mentor for Honors Project, Riley Stroven (2018) and Timothy Jackson (2019)

DAVIDSON COLLEGE

Third Reader, Senior Thesis by Darden Callaway (2013-14)

VASSAR COLLEGE

Advisor, Senior Theses by Matthew Rosenthal, Aaron Steinberg, and Kaylee Knowles (2011-13); **Second Reader**, Senior Theses by Michelle Farinella, Olivia Arnow, and Henry Liang (2011-13); **Pre-Major Advisor** (2012-13)

EDITORIAL AND REVIEW SERVICE

External Reviewer for Program Review (2024), New Mexico Tech
Book Manuscript Reviewer (ad hoc), Stanford University Press (2024)
External Tenure & Promotion Reviewer (ad hoc, confidential) (2022)
Article Reviewer (ad hoc), *Isis* (2023), *Endeavour* (2022), *Energy Research & Social Sciences* (2022), *Peitho Journal* (2018, 2020)
Grant Reviewer (ad hoc), National Science Foundation's STS Directorate (2016-2017)
Conference Program Reviewer, Conference for College Composition and Communication 2026, Feminisms and Rhetorics 2025, Conference for College Composition and Communication 2024, CPTSC: Council for Programs in Technical and Scientific Communication 2024, CPTSC: Council for Programs in Technical and Scientific Communication 2023, Feminisms and Rhetorics 2023

PROFESSIONAL SOCIETY SERVICE

Co-Chair, Committee on Education and Engagement, History of Science Society (2024-present); **Member** (2023-present)
Workshop Delegate, Chronicles of Brilliance in Mathematical Performance (A Mathematics for Humanity Programme, Workshop at the International Centre for Mathematical Sciences in Edinburgh (March 2025)
Committee Member, Ad-hoc Summer School Faculty Selection Committee, History of Science Society (2025)
Committee Member, Technical and Scientific Communication Awards Selection Committee, Conference on College Composition and Communication (2024-2025)
Member, International Association for Science and Cultural Diversity (2021-present)
Board Member, MDCWSS: Masters Degree Consortium of Writing Studies Specialists, Standing Group of the Conference on College Composition and Communication (2021-2024)
Committee Member, Inclusive and Transparent Governance Review Initiative, History of Science Society (2020-2021)

UNIVERSITY SERVICE

Chair, Sabbatical Leave Committee (2025-2027); **Member** (2022-2027)
Member, Institutional Animal Care and Use Committee (IACUC) (2020-2025)
Affiliate, Center for Interdisciplinary Research on Culture and Technology (formerly, the Institute for Policy, Ethics, and Culture) (2020-present)
Mentee, Advanced Career Mentoring Committee, Provosts Office (2024-present)
Member, IDEA Hub Communication Intensive Working Group (2022)
Member, IDEA Hub NEH Working Group (2019-2020)
Member, IDEA Hub Human Factors Task Force (2020-2021)

Advisory Member, Tech Forward Health and Quality of Life (2019)
Member, Tech Forward Ethics, Policy, Culture (EPC) Subgroup on Algorithmic Culture (2019)
Member, WRITE-D (Writing in the Disciplines) University Graduate School Program (2019-2023)
Faculty Co-Advisor, Michigan Tech Inventory of Historic Scientific Instruments (2016-2023)
Member, Michigan Community and Anishinaabe Renewable Energy Sovereignty (MICARES) Subteam on Community Engagement (2020-2022)
Judge, Design Expo, Pavlis Honors College (2018-2021)
Member, Ezhi-wiidanokiindiyang omaa akiing ebiitamang (Environmental Stewardship and Indigeneity Group) (2019)
Discussant, Mental Health Book Group, Student Health and Wellness (2018)
Mentee, Early Career Mentoring Committee, Academic Affairs (2016-2017)
Workshop Organizer, UP-STEAM (STEM + Arts) Convening Committee (2015-2016)

ASSESSMENT

Assessor, Goal 5 (Communication), General Education (2019, 2021)
Assessor, Goal 4 (Critical and Creative Reasoning), General Education (2018)

COLLEGE SERVICE

Member, Search Committee for UI/UX Professor of Practice (2020-2021)

DEPARTMENT SERVICE

Chair, Tenure, Promotion, and Reappointment Committee (2024-present)
Chair, Rhetoric, Theory, and Culture (RTC) Graduate Steering Committee (2021-2023)
Chair, Scientific and Technical Communication (STC) Steering Committee (2020-2021);
Member (2014-present)
Chair, Charter Committee (ad-hoc) (2025-2026)
Member, Elections Committee (2022-2023; 2024-2025; 2025-2026)
Member, Humanities Department Steering Committee (2020-2023)
Member, Media Committee (2020-2021)
Advisor, Society for Technical Communication Student Chapter (2014-2023)
Library Liaison, Humanities Department (2019-2023)
Member, Search Committee for Assistant Teaching Professor (2023)
Member, Search Committee for Humanities Department Chair (2019-2020)
Chair, Search Committee for Visiting Assistant Professor (2018-2019)
Member, Diversity Studies Committee (2017-2018)
Director, Humanities Internship Program (2014-2016)

COMMUNITY OUTREACH

Member, Copper Country Ski Tigers Board (2022-present)
Member, Hidden Figures Committee, Center for Pre-College Outreach (2017)

PAST SERVICE (DAVIDSON COLLEGE, VASSAR COLLEGE, AND COMMUNITY)

Board Secretary, Temple Jacob, Hancock, MI (2015-2018)

Member, Faculty of Color Group, Davidson College (2013-14)

Ex-officio member, STS Steering Committee, Vassar College (2011-13)

Workshop liaison, STS in the Liberal Arts, Vassar College (2012-13)

Singer, Mid-Hudson Antislavery History Project (2012-13)

PROFESSIONAL MEMBERSHIPS

History of Science Society

National Council of Teachers of English

Association of Teachers of Technical Writing

American Mathematical Society

History and Pedagogy of Mathematics Group

Phi Beta Kappa