

GLEN MILLER

Department of Philosophy
418 YMCA Building, 4237 TAMU
Texas A&M University
College Station, TX 77843
Email: glenmiller@tamu.edu

EDUCATION

Ph.D. in Philosophy, Department of Philosophy and Religion, University of North Texas, 2009–2015.

Dissertation: “Mapping Overlapping Constellations: Nature and Technology in *Research in Philosophy and Technology/Techné* and *Environmental Ethics*”

Master of Arts in Philosophy, Department of Philosophy and Religion Studies, University of North Texas, 2012. Language Competence: Latin.

Bachelor of Science in Chemical Engineering, Missouri University of Science and Technology (*summa cum laude*, with a minor in Communication), 1993–1998.

FIELDS OF STUDY

Areas of Specialization: Philosophy and Technology; Philosophy and Engineering; Environmental Philosophy; Cyberethics; Ethics of Artificial Intelligence; and Professional Ethics.

Areas of Competence: Ethics; Environmental Ethics; Social and Political Philosophy; and Science and Technology Studies.

ACADEMIC POSITIONS

Instructional Full Professor, Texas A&M University (September 2023–present).

Instructional Associate Professor, Texas A&M University (September 2020–August 2023).

Instructional Assistant Professor, Texas A&M University (August 2016–August 2020).

Lecturer, Texas A&M University (August 2013–July 2016).

Teaching Fellow, University of North Texas (August 2010–May 2013).

Teaching Assistant, University of North Texas (August 2009–May 2010).

Guest Lecturer and Teaching Assistant, Colorado School of Mines (January 2009–May 2010).

RESEARCH

Books

Miller, Glen, Helena Mateus Jerónimo, and Qin Zhu, eds. 2023. *Thinking through Science and Technology: Philosophy, Religion, and Politics in an Engineered World*. 26 original articles from scholars from a range of disciplines and cultures. Lanham, MD: Rowman & Littlefield. 515 pp. + index.

Miller, Glen, and Ashley Shew, eds. 2020. *Reimagining Philosophy and Technology, Reinventing Ihde*. 11 original articles from scholars from a range of specializations centered on the work of Don Ihde. Part of the Springer Philosophy of Engineering and Technology series, series editor Pieter Vermaas. Cham, Switzerland: Springer, 2020. 234 pp. + index.

Articles

- Miller, Glen, Helena Mateus Jerónimo, and Qin Zhu. 2023. Editors' Introduction to *Thinking through Science and Technology: Philosophy, Religion, and Politics in an Engineered World*, edited by Miller, Jerónimo, and Zhu, 1–10. Lanham, MD: Rowman & Littlefield.
- Miller, Glen. 2022. "Toward a More Expansive Political Philosophy of Technology." *NanoEthics* 16: 347–49.
- Miller, Glen, and Cora Drozd. 2022. "Privacy, Play, and the Digitalization of the University." In *The Ethical University: Transforming Higher Education*, edited by Wanda Teays and Alison Dundes Renteln, 47–64. Lanham, MD: Rowman & Littlefield.
- Miller, Glen, Michael Portal, and XU Xin. 2022. "Engineering Myth in China and the United States." In *Engineering, Social Sciences, and the Humanities: Have Their Conversations Come of Age?*, edited by Steen Hyldgaard Christensen, Anders Buch, Eddie Conlon, Christelle Didier, Carl Mitcham, and Mike Murphy, 341–60. Dordrecht: Springer
- Miller, Glen, and Carl Mitcham. 2021. "Technology and Ethics." (Completely revised.) In *Routledge Encyclopedia of Philosophy*. Routledge. doi:10.4324/9780415249126-L102-2.
- Miller, Glen. 2021. "Western Philosophical Approaches and Engineering." In *The Routledge Handbook of the Philosophy of Engineering*, edited by Diane Michelfelder and Neelke Doorn, 38–49. New York: Routledge.
- Miller, Glen, Wang Xiaowei (Tom Wang), Satya Sundhar Sethy, and Atsushi Fujiki. 2021. "Eastern Philosophical Approaches and Engineering." In *The Routledge Handbook of the Philosophy of Engineering*, edited by Michelfelder and Doorn, 50–65. New York: Routledge.
- Miller, Glen, and Ashley Shew. 2020. Editors' Introduction to *Reimagining Philosophy and Technology, Reinventing Ihde*, edited by Miller and Shew, 1–10. Cham: Springer.
- Miller, Glen, and Carl Mitcham. 2020. "Designing and Constructing the (Life)World: Phenomenology and Engineering." In *Reimagining Philosophy and Technology, Reinventing Ihde*, edited by Miller and Shew, 175–89. Cham: Springer.
- Pleasants, Jacob, Michael Clough, Joanne Olson, and **Glen Miller**. 2019. "Fundamental Issues Regarding the Nature of Technology: Implications for STEM Education." *Science and Education* 28, no. 3–5 (June 2019): 561–97. doi: 10.1007/s11191-019-00056-y.
- Miller, Glen. 2019. "Toward Lifelong Excellence: Navigating the Engineering-Business Space." In *The Engineering-Business Nexus: Symbiosis, Tension, and Co-Evolution*, edited by Steen Hyldgaard Christensen, Bernard Delahousse, Christelle Didier, Martin Meganck, and Mike Murphy, 81–101. Cham: Springer.
- Miller, Glen. 2018. "Aiming Professional Ethics Courses Toward Identity Development." In *Ethics Across the Curriculum—Pedagogical Perspectives*, edited by Elaine E. Englehardt and Michael S. Pritchard, 89–105. Cham: Springer.
- Miller, Glen. 2018. "What Ethics Owes Engineering." In *The Future of Engineering: Philosophical Foundations, Ethical Problems and Application Cases*, edited by Albrecht Fritzsche and Sascha Oks, 229–42. Cham: Springer.
- Miller, Glen, and Qin Zhu. 2016. "Flipping Engineering: A Case Study on Engineering Ethics." In *The Flipped College Classroom: Conceptualized and Re-conceptualized*, edited by Lucy Santos Green, Jennifer R. Banas, and Russ Perkins, 134–38. Cham: Springer.

Miller, Glen. 2014. "Exploring Engineering and Sustainability: Concepts, Practices, Politics, and Consequences." *Engineering Studies* 6, no. 1 (April 2014): 23–43. doi: 10.1080/19378629.2014.902951.

Schneider, Jen, and **Glen Miller**. 2011. "The Impact of 'No Impact Man': Alternative Hedonism as Environmental Appeal." *Environmental Communication: A Journal of Nature and Culture* 5, no. 4 (December): 467–84. doi: 10.1080/17524032.2011.611524.

Book Reviews with Extended Commentary

Miller, Glen. 2018. "Animal Laborans, Homo Faber, or Something Else?" Review of *Animal Constructions and Technological Knowledge*, by Ashley Shew (Lanham: Lexington Books, 2017). *Social Epistemology Review and Reply Collective* 7, no. 3: 1–4.

Miller, Glen, and LI Tong. 2017. "Toward a Dirty Environmental Ethics: From *Theoria* to *Techné*." Review of *Environmental Skill: Motivation, Knowledge, and the Possibility of a Non-Romantic Environmental Ethic*, by Mark Coeckelbergh (New York: Routledge, 2015). *Science and Engineering Ethics* 23, no. 5 (October): 1453–59.

Miller, Glen. 2017. Review of *International Perspectives on Engineering Education: Engineering Education and Practice in Context*, vol. 1, and *Engineering Identities, Epistemologies, and Values: Engineering Education and Practice in Context*, vol. 2, edited by Steen Hyldgaard Christensen, Christelle Didier, Andrew Jamison, Martin Meganck, Carl Mitcham, and Byron Newberry (Dordrecht: Springer 2015). *Technology, Knowledge and Learning* 22, no. 1 (April): 129–35.

Miller, Glen. 2015. "Looking Back, Looking Forward." Review of *The Good Life in a Technological Age*, edited by Philip Brey, Adam Briggie, and Ed Spence (New York: Routledge, 2012). *Science and Engineering Ethics* 21, no. 6 (December): 1691–97.

Miller, Glen, and Qin Zhu. 2011. "In Pursuit of *Dao*: Toward a Chinese Philosophy of Technology." Review of *Dao Ji Zhijian: Zhongguo Wenhua Beijing de Jishu Zhexue (Between Dao and Technique: Philosophy of Technology against the Background of Chinese Culture)*, by Qian Wang (Beijing: People Press, 2009). *Journal of Chinese Philosophy* 38, no. 2 (June): 317–20.

Miller, Glen. 2010. Review of *Real American Ethics: Taking Responsibility for Our Country*, by Albert Borgmann (Chicago: University of Chicago Press, 2007). *Teaching Philosophy* 33, no. 1 (March): 98–103.

Book Reviews

Miller, Glen, and Chris Black. 2019. Review of *Heidegger on Technology*, edited by Aaron James Wendland, Christopher Merwin, and Christos Hadjioannou (New York: Routledge, 2019). *Sophia: International Journal of Philosophy and Traditions* 58, no. 4: 763–66. doi: 10.1007/s11841-019-00751-x.

Encyclopedia Entries

In *Ethics, Science, Technology, and Engineering: A Global Resource (ESTE-2)*, 2nd edition, edited by J. Britt Holbrook and Carl Mitcham, 4 vols. Farmington Hills, MI: Macmillan Reference, 2014.

- "Alasdair MacIntyre," pp. 47–48. (900 words)
- "Applied Ethics," revision, pp. 97–102. (500 words)
- "Edward O. Wilson," 539–541. (900 words)
- "Hans Kung," 653–654. (800 words)
- "Hydrogen Economy," pp. 512–513. (500 words)

In *New Catholic Encyclopedia Supplement 2012-13: Ethics and Philosophy*, edited by Robert L. Fastiggi. 4 vols. Detroit: Gale, 2013.

- “Ecology” substantive revision. (6500 words)
- “Environmental Ethics.” (1100 words)
- “Nature,” substantive revision. (5500 words)

Meeting Reviews

Miller, Glen. 2009. “London Calling Philosophy and Engineering: WPE 2008,” review of the 2008 Workshop on Philosophy and Engineering. *Journal of Science and Engineering Ethics* 15: 443–46.

Other

Miller, Glen, Helena Mateus Jerónimo, and Qin Zhu. 2023. Preface to *Thinking through Science and Technology: Philosophy, Religion, and Politics in an Engineered World*, edited by Miller and Shew, v–vi. Lanham, MD: Rowman & Littlefield.

Shew, Ashley, and **Glen Miller**. 2020. Preface to *Reimagining Philosophy and Technology, Reinventing Ihde*, edited by Miller and Shew, v–vi. Cham: Springer.

Miller, Glen. 2015. Forum response to Carl Mitcham’s “The True Grand Challenge for Engineering: Self-Knowledge,” *Issues in Science and Technology* 31, no. 2 (Winter): 20–22.

RESEARCH FELLOW

Texas A&M University Cybersecurity Fellow, Fall 2019–present.

GRANTS AND AWARDS

2023. “The Human Experience: A Humanities Initiative for the Texas A&M University System.” Co-PI for the College Station campus. Submitted to the Teagle Foundation’s “Cornerstone: Learning for Living” program. Awarded. \$350,000.

2023. College of Arts and Sciences International Travel Grant. \$2,000.

2023. College of Arts and Sciences Faculty Excellence Award. \$4,000.

2023. Texas A&M University Glasscock Center for the Humanities Undergraduate Summer Scholars Program on “Ethics and Politics of Artificial Intelligence.” \$5,000.

2022–2024. Key contributor to the National Humanities Center grant to the Department of Philosophy for development of a “Responsible AI” course. \$45,000.

September 2021. PI Bimal Nepal; co-PIs Amarnath Banerjee, Michael Johnson, and Glen Miller. “Investigate, Intervene, and Instill Ethical Research Competency and Self-Efficacy (I³ERCS) in Future STEM Researchers and Practitioners.” Submitted to NSF ER2 (Ethical and Responsible Research). Amount requested, \$599,587. Awarded. Award ID 2124888.

2020. College of Liberal Arts Association of Former Students Distinguished Achievement Award for Teaching. \$2,000.

November 2019. “Adding Project-Based Learning to ‘Ethics in a Digital Age.’” PI. Texas A&M University Presidential Transformational Teaching Grant (internal). \$20,000. Awarded.

Summer 2015. College of Liberal Arts International Travel Grant. \$1,500.

January 2014. PI on competitive internal \$74,900 Core Curriculum Courses Enhanced with Technology grant to convert Ethics and Engineering (PHIL/ENGR 482) to a hybrid course. Awarded.

CONFERENCES, WORKSHOPS, INVITED LECTURES, AND PANELS

June 2023. Presentation on “On Sovereignty and Cybertechnology,” at the Society for Philosophy and Technology Conference (SPT) biennial conference, Tokyo, Japan.

March 2023. Panel presentation on the “Research on Forming Ethical Engineers,” a panel consisting of researchers on three grants funded the NSF’s ER2 (Ethical and Responsible Research) program, and panel presentation on “Publishing Journal Articles, from the Editors’ Perspective” at the Association for Practical and Professional Ethics (APPE) annual conference, Portland, Oregon.

October 2022. Two presentations, “Adding Engagement to ‘Ethics in a Digital Age’” and “Forming Ethical Engineers: From High School to University Graduation,” at the Society for Ethics Across the Curriculum annual conference, Oxford, Mississippi.

March 2022. Invited presentation, “Teaching Sustainability and Environmental Justice in Engineering Ethics,” the Online Ethics Center for Science and Engineering webinar.

February 2022. Panel coordinator and presenter on “Formation of Ethical Engineers,” a panel consisting of researchers on three grants funded through the NSF’s ER2 (Ethical and Responsible Research) program, at the APPE annual conference, Cincinnati, Ohio. (virtual)

December 2021. “Global Perspectives on Engineering Ethics Education,” a panel presentation for a standalone event of the European Society for Engineering Education (SEFI) (virtual). Invited.

September 2021. Paper presentation (created with Cora Drozd), “Privacy, Play, and the Digitalization of the University,” at the Society for Ethics Across the Curriculum (SEAC) annual conference, Golden, Colorado (virtual).

June 2021. Paper presentation with Cora Drozd, “On Developing Ideas and Character in the Technologized University,” at the Society for Philosophy and Technology Conference (SPT) biennial conference, Lille, France (virtual).

February 2020. Paper presentation, “Engineering and Justice: Developing the Political Aspect of Engineering Ethics,” at the APPE annual conference, Atlanta, Georgia.

December 2019. Presentation to the Brazos Chapter of the Texas Society of Professional Engineers on “Identity and the Engineering Profession,” College Station, Texas.

October 2019. Paper presentation, “Engineering and Justice: Developing the Political Aspect of Engineering Ethics,” at the SEAC annual conference, Philadelphia, Pennsylvania.

August 2019. Invited participant, Workshop On Assessing Ethics Education In Science And Engineering, funded by NSF Award 1835276, Washington, D.C.

May 2019. Associate Director and Program Member for the 21st biennial SPT conference, which brought more than 200 scholars from around the world to Texas A&M.

March 2019. Paper presentation, “Learning from Artificial Intelligence: Recognizing Human Intelligence (HI),” at the Association for Practical and Professional Ethics (APPE) annual conference, Baltimore, Maryland.

October 2018. Invited panelist, “A.I., Spirituality, Ethics, and Mental Health,” Texas State University, San Marcos, Texas.

March 2018. Panel organizer “Cyberization: Ethics and Politics,” and paper presenter, “Conflict in Cyberspace: Ethical and Political Considerations,” at the APPE annual conference, Chicago, Illinois.

October 2017. Paper presentation, "Professional Ethics as Identity Development," at the SEAC annual conference, Grand Rapids, Michigan.

June 2017. Paper presentation, "Superabundance and Collective Responsibility in Engineered Systems," at the Society for Philosophy and Technology Conference (SPT) biannual conference, Darmstadt, Germany.

June 2017. Panel co-organizer, "Pedagogical Pragmatics" SPT biannual conference, Darmstadt, Germany.

April 2017. Presentation on "Impediments to Moral Responsibility/Professional Ethics as Identity Development." Texas District of the Institute of Transportation Engineers Annual Conference, Plano, Texas.

March 2017. Commentator at the Second Annual Bovay Workshop on Engineering and Applied Ethics, College Station, Texas.

March 2017. Presentation on "The Flipped College Classroom: A Case Study on Engineering Ethics," at the Teaching with Technology Conference, College Station, Texas.

February 2017. Paper presentation, "Collective Agency and Engineering," presented with Dana Gutierrez, at the APPE annual conference, Dallas, Texas.

October 2016. Paper presentation, "Organ Donations, the Self, and Property: Ethical and Political Problems," at the SEAC annual conference, Salt Lake City, Utah.

May 2016. Paper presentation, "What Ethics Owes Engineering," Forum on Philosophy, Engineering, and Technology, Nuremberg, Germany.

April 2016. Paper presentation, "Flipping and Hybridizing an Engineering Ethics Course," at the ABET Symposium, Hollywood, Florida. ABET is the accrediting agency for engineering and engineering technology undergraduate programs.

February 2016. Panelist and organizer of "Ross in Theory and Practice" panel, where I presented "Ross's Duties and Engineering Ethics" at the APPE annual conference, Reston, Virginia.

February 2016. Co-organizer of and presenter at the First Annual Bovay Workshop on Engineering and Applied Ethics, with a theme of "Nature and Technology," which brought included prominent domestic and international of scholars, College Station, Texas.

December 2015. Presentation to the Brazos Chapter of the Texas Society of Professional Engineers on "Impediments to Moral Responsibility, (cont'd)," College Station, Texas.

July 2015. Paper presentation, "Flipping and Hybridizing an Engineering Ethics Course: A Case Study with Reflections on Assessment," with Qin Zhu, Society for Philosophy and Technology Conference (SPT), Shenyang, China.

July 2015. Paper presentation, "The Precautionary and Proactionary Principles: Two Sides of the Kantian Moral Code," SPT Conference, Shenyang, China.

June 2015. First responder, Humanities Reflections on Technology and Science, Technology, and Public Policy Studies workshop, Renmin University of China, Beijing, China.

February 2015. Paper presentation, "Ross's Duties and an International Engineering Ethics," APPE annual conference, Costa Mesa, California.

December 2014. Presentation, with C. E. (Ed) Harris, to the Brazos Chapter of the Texas Society of Professional Engineers on "Impediments to Moral Responsibility," College Station, Texas.

June 2014. Guest lecturer for Sustainable Engineering (ME 4396) at Baylor University, Waco, Texas.

May 2014. Paper presentation, “How René Girard’s Theories Complicate Engineering Ethics,” Forum on Philosophy, Engineering and Technology, Blacksburg, Virginia.

March 2014. Presentation, “Exploring Engineering and Sustainability” to the 67th Annual Conference for Protective Relay Engineers, held at Texas A&M University, College Station, Texas.

February 2014. Guest lecturer for Philosophical Pedagogy (PHIL 683) at Texas A&M University.

February 2014. Panel organization and presentation, “Ethical Implications of René Girard’s Work,” APPE annual meeting, Jacksonville, Florida.

December 2013. Presentation, with C. E. (Ed) Harris, to the Brazos Chapter of the Texas Society of Professional Engineers on “Aspirational Ethics.”

October 2013. Participation in weeklong Texas A&M “Flipping Your Course” faculty institute.

September–December 2013. Participant in semester-long “Flipping—A New Generation for Active Learning,” an online course offered by the Center for the Integration of Research, Teaching and Learning at Texas A&M University.

July 2013. Paper presentation, “How Sustainability Affects the Politics and Ontologies of Three Different Conceptions of Virtue Ethics,” SPT bi-annual meeting, Lisbon, Portugal.

March 2013. Critic in author-meets-critics session on *The Good Life in a Technological Age*, APPE annual meeting, San Antonio, Texas.

March 2013. Participant in Deni Elliott’s graduate student workshop on Teaching Ethics, APPE, San Antonio, Texas.

July 2012. Paper presentation, “Toward a Manifold Techno-moral Imagination: Avoiding the Reductionist Trap, with a Cautionary Tale from Ecology,” Ethics and Politics of Emerging Technologies Conference, Maastricht University, Maastricht, Netherlands.

June 2012. Visiting scholar at the University of Twente, Enschede, Netherlands.

May 2011. Associate Director, Society for Philosophy and Technology Biannual Meeting, Denton, Texas.

May 2011. Paper presentation, “Why Environmental Justice and Engineering Need Each Other,” 3TEP workshop. 3TEP is a collaboration between philosophers of technology and environmental philosophy from the University of Twente (Netherlands), the University of North Texas (USA), and Colorado School of Mines (USA).

TEACHING EXPERIENCE (ordered by institution)

Texas A&M University (2013–present)

- Course creation: *Ethics of Artificial Intelligence* (PHIL 382): taught as special topics (PHIL 489) in fall 2023.
- Course creation: *Ethics and Cybertechnology* (PHIL 382): added to course catalog in Fall 2018, converted to *Ethics in a Digital Age* (Fall 2019–present).
- *Undergraduate Research* (PHIL 491) (Fall 2021, Summer 2022 x 3, Spring 2023 x 4)
- *Graduate Directed Studies* (PHIL 685) (Fall 2018).
- *Undergraduate Directed Studies* (PHIL 485) (Fall 2017 x 2, Fall 2018/Spring 2019 undergraduate honors thesis, Fall 2019, Spring 2019, Spring 2020, Summer 2021, Spring 2022 x 2).
- *Cyberethics* (CSCE/PHIL 489-special topics) (Spring 2017).
- *Ethics and Engineering* (ENGR/PHIL 482) (Fall 2013–present).
- *Ethics and Engineering* (ENGR/PHIL 482) in Italy (Summer 2016–2019).
- *Humanity, Nature, and Technology* (LBAR 181), freshman critical thinking seminar (Fall 2015).

- *Ethics and Engineering* (ENGR/PHIL 482) in Brazil (Summer 2014).

University of North Texas (2009–2013)

- *Introduction to Contemporary Moral Issues* (PHIL 1400) (Spring 2013).
- *Introduction to Contemporary Environmental Issues* (PHIL 2500) (Spring 2012, Fall 2012).
- *Introduction to Ancient Philosophy* (PHIL 2310) (Summer 2012).
- *Introduction to Philosophy* (PHIL 1050) (Fall 2010–Fall 2011).

CURRENT MEMBER AFFILIATION

- Association for Practical and Professional Ethics
- Society for Philosophy and Technology
- Society for Ethics Across the Curriculum

SERVICE

Associate Editor, *Science and Engineering Ethics*, May 2019–present.

Executive Editor, *Philosophy & Technology*, May 2022–present.

Secretary, the Society for Philosophy and Technology, June 2021–present.

Executive Committee Member, the Society for Ethics Across the Curriculum, January 2022–present.

Editorial Board Member, *Science: Philosophy, History and Education* book series with Springer, May 2021–present.

Co-Chair of the Association for Practical and Professional Ethics STEM Special Interest Group, Sept 2019–2021.

Member, Presidential Transformational Teaching Grants Advisory Board, Texas A&M University, Fall 2019–Summer 2021.

Member, College of Liberal Arts Committee on Faculty Awards, Spring 2021–Summer 2022.

Member, Fasken Graduate Teaching Award Committee, Spring 2021.

Mentor, Academy for Future Faculty, Fall 2020–Spring 2021.

Secretary, Department of Philosophy, Texas A&M University, 2019–2023.

Member, Steering Committee, Department of Philosophy, Texas A&M University, 2019–2023.

Member, Undergraduate Program Advisory Committee, Department of Philosophy, Texas A&M University, 2019–present.

Member, Climate and Inclusion Committee, Department of Philosophy, Texas A&M University, 2016–2021.

Member, Undergraduate Curriculum Committee, Department of Philosophy, Texas A&M University, 2016–20.

Member, Computers and Equipment Committee, Department of Philosophy, Texas A&M University, Spring 2019.

Panelist on internal Core Curriculum Courses Enhanced with Technology panel, November 2014 and November 2015.

Faculty department representative for developing rubrics for Language, Philosophy, and Culture Core Curriculum requirements for Texas A&M University, October 2014.

Program Committee, Association for Practical and Professional Ethics (2016–2020, 2022), Society for Philosophy and Technology (2017, 2019), Forum for Philosophy and Technology (fPET 2018, 2020).

Reviewer, *Philosophy & Technology*; *Techné: Research in Philosophy and Technology*; *Technology and Culture*; *Technology and Society*; *Science and Engineering Ethics*; *Philosophy & Technology*; *Social Epistemology: A Journal of Knowledge, Culture and Policy*.

Book Proposal Reviewer: Bloomsbury, Oxford University Press, Routledge, Rowman and Littlefield International, MIT Press, CRC Press/Taylor and Francis.

Podcast, October 2018. *Artificial Intelligence*, part of the Philosophy Mixed series, Texas State University, San Marcos, Texas, in partnership with KTSW.