11/2026

Thomas M. Powers, Ph.D.

PROFESSIONAL ADDRESSES

Department of Philosophy
University of Delaware
24 Kent Way
Newark, DE 19716

Harker Interdisciplinary Science and Engineering Laboratory
University of Delaware
221 Academy Street, Room 471
Newark, DE 19716

AREAS OF EXPERTISE

I work in several areas of the ethics of information technology, especially AI and machine ethics, and contribute to scholarship in philosophy and in engineering. More generally, my interests lie in the ethical, social, legal, and political impacts of emerging technologies.

EDUCATION

University of Texas, Austin: Ph.D. in Philosophy. Dissertation: “Formalism in Kant's Ethics” 1995

Ludwig-Maximilians-Universität, Munich: DAAD dissertation-year fellow, 1993-1994

College of William and Mary, Williamsburg: B.A. in Philosophy (with high honors), 1987

ACADEMIC APPOINTMENTS

University of Delaware: Associate Professor of Philosophy (2013-), Assistant Professor (2006-13), Temporary Assistant Professor 2005-06; Delaware Biotechnology Institute, Resident Faculty (2006-17), Affiliate (2017-); Secondary Faculty Appointment: Biden School of Public Policy and Administration (2012-)

Universitat de les Illes Balears: Visiting Research Professor (summer 2018)

Sorbonne University: Visiting Researcher, Laboratoire d'Informatique (UPMC) – Équipe: Agents Cognitifs et Apprentissage Symbolique Automatique, (Fall 2015, Winter 2018, Summer 2019, Winter 2019)

University of Virginia: NSF Research Fellow, School of Engineering and Applied Science (2003-05)

Santa Clara University: Lecturer in Philosophy (1997-2003); Adjunct Professor, Computer Engineering (2000-03)

Central Michigan University, Visiting Assistant Professor of Philosophy (1996-97)

College of William & Mary, Visiting Assistant Professor of Philosophy (1995-96)

SERVICE ROLES: DELAWARE

Director, UD Center for Science, Ethics & Public Policy (2011-)

Director, UD Program in Science, Ethics & Public Policy (2007-11)

UD Faculty Affiliations: Delaware Environmental Institute (2013-); Data Science Institute (2018-); Center for Autonomous and Robotic Systems (2019-); Master of Science in Robotics (2019-); Sociotechnical Systems Center (2020-); Artificial Intelligence Center of Excellence (2022-); Master of Science program in Data Science (2024-); Center for Bioinformatics and Computational Biology (2024-); Computational Biology, Bioinformatics, & Biomedical Data Science Predoctoral Training Program (NIH-NIGMS T32) (2025-); AI & Society Certificate (2025-)

Siegfried Institute Director Search Committee (2026-)

UD Middle States Accreditation Reaffirmation Self-Study Committee (2026-)

UD Department Chair Search Committee for Languages, Literatures, and Culture, (2026)

UD Workshop on Ethics, Epistemology, and Engineering co-organizer (2026)

UD Presidential Academic Leadership Program (2025-26)

First State AI Institute, Ethics Working Group Lead (2025-)

UD Faculty Senate Ad-Hoc Committee on AI (2025-)

Master of Science in Data Science Executive Committee (2025-)

UD Organizing Committee, Data Science and DARWIN Computing Symposium (2025)

NSF-DOE Vera C. Rubin Observatory “First Look” Panel Moderator (2025)

AiM Higher East Coast AI Conference, “From Disruption to Dialogue: Ethical and Practical Perspectives About AI in Education” panel organizer and moderator (2025)

UD Graduate College Convocation speaker (2025)

UD Organizing Committee, Synthetic Biology Symposia (2024-25)

Delaware Humanities, Board of Directors (2023-25)

UD Summer Opportunities for Undergraduate Research and Creative Endeavors (SOURCE) ethics lecturer, (2022-25)

UD Provost's Working Group on AI for Teaching and Learning (2023-25)

UD Graduate College Doctoral Fellowship for Excellence Review Committee (2023)

UD Philosophy Department Chair Reappointment Committee (2023)

UD Vice President for Research, Scholarship and Innovation Search (Research Panel) (2022-23)

UD Data Science Institute Faculty Council and Training Working Group member (2022-26)

UD Dissertation Fellowship Review Committee (2021-22)

UD Strategic Planning Committee on Expanding Interdisciplinary and Global Opportunities (2021)

UD Provost Search Committee (2021)

UD Political Science and International Relations Department Chair Reappointment Committee (2021)

UD Faculty Senate Committee On Committees And Nominations (2020-22)

UD Academic Committee on Sustainability (2020)

UD Graduate College Council (2019-21) alternate

UD Provost Search Committee (2017)

UD Council of Community Engagement and Public Service Centers, UD (2016-)

UD Respect Committee (2015-17)

CEPE-IACAP Joint Conference organizer, University of Delaware (2015)

State of Delaware, Health and Social Services Human Subjects Review Board (2013-)

UD Institutional Review Board alternate (2011-14) and voting member (2013)

UD Conference on Free Will and the Scientific Worldview co-organizer (2013)

UD Conference on Convergent Sustainability in Delaware co-organizer (2013)

UD Research Office RCR Conference research ethics lecturer (2012-)

UD Inaugural Symposium, Center for Science, Ethics & Public Policy organizer (2012)

UD Workshop on Ethics in Nanoscience co-organizer (2011)

Science Café Organizer, (2009-)

UD Conference on Ethics and Climate Change: Intergenerational Justice and the Global Challenge co-organizer (2009)

UD Conference on Environmental Nanoparticles: Science, Ethics, and Policy co-organizer (2008)

UD Conference on Environment Energy, and Ethics co-organizer (2007)

SERVICE ROLES: NATIONAL AND INTERNATIONAL

Program Committee, AAAI-27 Workshop “Intelligence Symbiosis: Emergent Ethics and Infrastructure for Human–AI Co-existence” (IntelliSym 2027), 2027

International Workshop on Verifying Law and Ethics, and Legal Auto-formalization (at JURIX’26) Co-organizer, Toulouse, 2026

Program Committee, AAAI Workshop on Machine Ethics: from formal methods to emergent machine ethics, Singapore, 2026

Program Committee, Biannual Conference on the Philosophy of Artificial Intelligence (PhAI), Vrije Universiteit Amsterdam, 2025

NIH Workshop "Exploring the Applications of Knowledge Networks in Biomedical and Behavioral Research," co-chair for “Ethics and Trustworthy Constructs” panel, 2025

New York State Education Department, Reviewer for NYU Masters in Technology Ethics Program, 2025

Oakland University Research Committee proposal review, 2025

Chair of the AI & Data Ethics Advisory Board for NSF Proto-OKN Projects, 2024-25

Canada Social Sciences and Humanities Research Council Proposal Reviewer, 2024-25

NIH Workshop “Toward an Ethical Framework for AI in Biomedical and Behavioral Research: Transparency for Data and Model Reuse” Participant, 2024

Cambridge Forum on AI: Law and Governance Editorial Board, Cambridge University Press, 2024-

Awards Committee Chair, International Association of Computing and Philosophy (IACAP), 2024-

GPPC “Ethics of Big Data” panel host and organizer (with Noel Swanson), Drexel University, 2023

Dagstuhl Seminar invited participant: "Roadmap for Responsible Robotics" Leibniz Center for Informatics, Germany, September 11 -15, 2023

International Jury, Artificial and Natural Intelligence Toulouse Institute (ANITI), France, 2023-

IACAP Special Track, Minds & Machines SIG, “Generative AI and Machine Thinking”, Prague 2023

National Science Foundation Grant Proposal Review Panels: STS, AI & Society, and Graduate Research Fellowship Programs, 2014-16, 2019, 2021, 2022; Ad hoc reviewer for STS and Law & Science Programs, 2025

Switzerland National Science Foundation Grant Proposal Reviewer, 2020 & 2026

Netherlands Organization for Scientific Research (NWO) Grant Proposal Reviewer, 2017, 2019, 2021, 2022

Dagstuhl Seminar invited participant: "Ethics and Trust: Principles, Verification and Validation" Leibniz Center for Informatics, Germany, April 22 -26, 2019

Editorial Board, *International Journal of Technoethics*, 2020-

IACAP Executive Board and Director of Minds & Machines SIG, 2016-24

Program Committee, Ethics in the Design of Intelligent Agents, European Conference on AI, 2016

Philosophy & Technology Associate Editor, Springer, 2014-2023

Stanford Encyclopedia of Philosophy Editorial Board, Subject Editor for "Ethics and Information Technology" 2010-

American Philosophical Association, Committee on Philosophy & Computers Chair, 2013-16, Associate Chair, 2012-13

Online Ethics Center, National Academy of Engineering and UVa, International Perspectives Editor, 2015-

Editorial Advisory Board, *Techné: Research in Philosophy and Technology*, 2016-

Reviewer for the journals *Medicine, Healthcare and Philosophy*, *IEEE Technology & Society*, *Science and Engineering Ethics*, *Minds & Machines*, *Idealistic Studies*, *mBio*, *Annals of Mathematics and Artificial Intelligence*, *International Journal of Human-Computer Interaction*, *Ethics and Information Technology, Journal of Business Ethics*, *Accountability in Research*, *Techne*, *Ethical Theory and Moral Practice*, *Journal of Agricultural and Environmental Ethics*, *AI & Society*, *Kriterion-Journal of Philosophy*, *Assessing Writing*

Advisory Board, *The Nanoethics Group*, 2008-

Ethics Advisory Board, *The Lifeboat Foundation*, 2008-

Board of Management, Consortium for Socially-Relevant Philosophy of/in Science and Engineering (SRPoiSE), 2014-

AAAS Science & Human Rights Coalition, Ethics and Human Rights Working Group, 2012

Committee on Bioethics and Ethics in Science of the *Fédération Internationale des Sociétés de Philosophie* (FISP), 2009-

American Philosophical Association Committee on Public Philosophy, Member 2009-2012

Faculty Scholar, Markkula Center for Applied Ethics, Santa Clara University, 1997-2003

PUBLICATIONS

Edited Books

Powers, TM, editor (2017). *Philosophy and Computing: Essays in Epistemology, Philosophy of Mind, Logic, and Ethics*, Springer Publishing

Powers, TM, and Kamolnick, P, editors (1999). *From Kant to Weber: Freedom and Culture in Classical German Social Theory*, Krieger Publishing

Articles, Chapters, and Proceedings

Brockmeier, A., Artemiadis, P., Boukari, H., Callison-Burch, C., Eaton, E., Harley, J., Powers, T., Principe, J. C., Reisman, D., & Wu, C. (2026). Human-AI cooperation in healthcare and rehabilitation, *Delaware Journal of Public Health* 12 (1).

Wu, C., Liu, H., Flannick, J., Musen, M., Su, A. I., Hunter, L., Powers, T. M., & Wu, C. (2026). Desiderata for a biomedical knowledge network: opportunities, challenges and future directions, *Bioinformatics Advances* 6 (1).

Chen, C., Piya, F., Rolnick, J., Milbourne, S., Wu, C., Powers, T., Aggarwal, V., Garcia, J., Zhang, A., Beheshti, R. (2025). Leveraging Social Determinants of Health (SDoH) Knowledge Graphs to Identify Latent Patterns in Veteran Suicide Risk, *IEEE EMBS International Conference on Biomedical and Health Informatics (BHI)*

Araiza-Illan, D, Baum, K, Beebee, H, Chatila, R, Christensen, S, Coghlan, S, Collins, E, Cunha, A, Devitt, K, Dobrosovestnova, A, Duijf, H, Evers, V, Fisher, M, Hochgeschwender, M, Kokciyan, M, Lemaignan, S, Ljungblad, S, Magnusson, M, Mansouri, M, Milford, M, Moon, A, Powers, T, Vanegas, D, Lera, F, Salvini, P, Scantamburlo, T, Schuster, N, Slavkovik, M, Topcu, U, Wasowski, A, and Yang, Y (2025). Roadmap for Responsible Robotics, *IEEE Robotics and Automation* 32 (4).

Powers, TM (2025). Deontology in AI, in *The Wiley Blackwell Companion to Applied Philosophy of AI*, eds. M Hähnel and R Müller, Wiley-Blackwell Publishing, Berlin

Powers, TM (2025). Understanding Sociotechnical Systems, *Computer Ethics Across the Disciplines*, eds. M Verdicchio and M Noorman, Springer Philosophy of Engineering and Technology book series, New York

Powers, TM (2024). Artificial Moral Dispositions in Humans and Computers, *Artificial Dispositions: Investigating Ethical and Metaphysical Issues*, eds. WA Bauer and A Marmadoro, Bloomsbury Publishing, London

Dubljević, V, G List, J Milojevich, N Ajmeri, WA Bauer, MP Singh, E Bardaka, TA Birkland, CHW Edwards, RC Mayer, I Muntean, TM Powers, HA Rakha, VA Ricks, and MS Samanda (2021). Toward a rational and ethical sociotechnical system of autonomous vehicles: A novel application of multi-criteria decision analysis, *PLoS ONE*

Robinson, P, A Sun, H Furey, R Jenkins, CR Phillips, TM Powers, R Ritterson, Y Xie, R Casagrande, and N.G. Evans (2021). Modelling Ethical Algorithms in Autonomous Vehicles Using Crash Data, *IEEE Transactions on Intelligent Transportation Systems* 23 (7).

Powers, TM, and Ganascia, JG, (2020). The Ethics of the Ethics of Artificial Intelligence, *Oxford Handbook of Ethics of AI*, eds. M Dubber, F Pasquale, and S Das, Oxford University Press

Tolmeijer, S, A Weiss, M Hanheide, F Lindner, TM Powers, C Dixon, and M Tielman (2020). Taxonomy of Trust-Relevant Failures and Mitigation Strategies, *Proceedings of Human Robot Interaction* 2020 (HRI '20), ACM, New York, NY, USA

Ganascia, JG, C Tessier, and TM Powers, (2018). On the autonomy and threat of "killer robots" *APA Newsletter on Philosophy and Computers* 17 (2)

Powers, TM (2017). Intersecting Traditions in the Philosophy of Computing, in *Philosophy and Computing: Essays in Epistemology, Philosophy of Mind, Logic, and Ethics*, ed. TM Powers, Springer Publishing

Powers, TM and Shah, SI (2017). Technological Ethics in Context: The Case of Nanotechnology, in *Philosophy: Technology*, ed. AF Beavers, Gale Cengage: Macmillan Interdisciplinary Handbooks

Powers, TM (2016). Prospects for a Kantian Machine, in *Machine Ethics and Robot Ethics*, eds. W Wallach and P Asaro, Ashgate Publishing/Routledge 2017 paperback [republication of Powers TM (2006)]

Shah, SI and Powers, TM (2015). Nanotechnology: A Path Forward for Developing Nations, *Institute of Physics Conference Series* 92

Powers, TM (2014). Consequentialism, in *Ethics, Science, Technology and Engineering: A Global Resource*, 2nd Edition, ed. JB Holbrook, Macmillan Reference USA [revision of Powers, TM (2005)]

Powers, TM (2014). Deontology, in *Ethics, Science, Technology and Engineering: A Global Resource*, 2nd Edition, ed. JB Holbrook, Macmillan Reference USA [revision of Powers, TM (2005)]

Powers, TM (2014). Models for Machine Ethics, *APA Newsletter on Philosophy and Computers* 14 (1)

Powers, TM (2014). Orientation in Philosophical Research, *APA Newsletter on Philosophy and Computers* 13 (2)

Johnson, DG and Powers, TM (2014). Ethics and Technology: A Program for Future Research in *Society, Ethics, and Technology*, 5th edition, eds. M Winston and R Edelbach, Wadsworth Publishing, Boston Mass. [republication of Johnson & Powers (2005)]

Powers, TM and Shah, SI (2013). Teaching a Course on Ethics in Nanoscience, *Journal of Nano Education* 5, 1-6

Powers, TM (2013). On the Moral Agency of Computers, *Topoi: An International Review of Philosophy* 32 (2)

Powers, TM (2011). Prospects for a Kantian Machine, in *Machine Ethics*, eds. M Anderson and S Anderson, Cambridge University Press [republication of Powers TM (2006)]

Powers, TM (2011). Incremental Machine Ethics, *IEEE Robotics and Automation* 18 (1)

Powers, TM (2009). Machines and Moral Reasoning, *Philosophy Now* 72

Powers, TM (2009). Preface, in *Creating a Global Dialogue on Value Inquiry*, J Yan & D Schrader (eds.), Edwin Mellen Press

Powers, TM (2008). Environmental Holism and Nanotechnology, in *Nanotechnology and Society: Current and Emerging Ethical Issues*, eds. F Allhoff and P Lin, Springer Publishing

Johnson, DG, and Powers, TM (2008). Computers as Surrogate Agents, in *Information Technology and Moral Philosophy*, eds. MJ van den Hoven and J Weckert, Cambridge University Press

Powers, TM (2006). Prospects for a Kantian Machine, *IEEE Intelligent Systems* 21 (4)

Johnson, DG, and Powers, TM (2005). Computer Systems and Responsibility: A Normative Look at Technological Complexity, *Ethics and Information Technology* 7(2), Kluwer Publishing

Johnson, DG, and Powers, TM (2005). Ethics and Technology: A Program for Future Research, in *Encyclopedia of Science, Technology, and Ethics*, ed. C Mitcham, Gale Publishing

Powers, TM (2005). Consequentialism, in *Encyclopedia of Science, Technology, and Ethics*, ed. C Mitcham, Gale Publishing

Powers, TM (2005). Deontology, in *Encyclopedia of Science, Technology, and Ethics*, ed. C Mitcham, Gale Publishing

Powers, TM (2005). Deontological Machine Ethics, *Technical Report*, American Association for Artificial Intelligence, Palo Alto, 2005

Powers, TM (2004). Ideas, Expressions, Universals, and Particulars: Metaphysics in the Realm of Software Copyright Law, in *Intellectual Property Rights in a Networked World*, H Tavani and R Spinello, Idea Group Publishing

Powers, TM (2004). Real Wrongs in Virtual Communities, *Ethics and Information Technology 5* (4), Kluwer Publishing

Powers, TM (2002). Responsibility in Software Engineering: Uncovering an Ethical Model, in *The Transformation of Organizations in the Information Age:* Proceedings of the Sixth International ETHICOMP Conference, Universidade Lusiada de Lisboa

Powers, TM (1999). The Legacy of Kantian Rationalism for Social Theory, in *From Kant to Weber*: *Freedom and Culture in Classical German Social Theory*, eds. TM Powers and P Kamolnick, Krieger Publishing

Powers, TM (1999). The Integrity of Body: Kantian Moral Constraints on the Physical Self, in *Philosophy and Medicine 60*, Kluwer Publishing.

Book Reviews

Powers, TM (2019). Review of *Living with Robots* by Paul Dumouchel and Luisa Damiano, Cambridge, MA: Harvard University Press, 2017, in *Philosophy, Theology and the Sciences*, pp. 211-14.

Powers, TM (2014). Review of *Emerging Pervasive Information and Communication Technologies: Ethical Challenges, Opportunities, and Safeguards*, ed. KD Pimple, 2014, in *Journal of Philosophy, Science & Law* 14, pp. 1-5.

RESEARCH FUNDING

1. NSF AI Institute for Human-AI Cooperation (HAIC), University of Delaware, 2026-31, Key Personnel ($21.5 million)
2. DARPA ASIMOV (Autonomy Standards and Ideals with Military Operational Standards), 2024-25, Consultant, with CoVar, Inc.
3. NSF OKN: A Dynamically-Updated Open Knowledge Network for Health: Integrating Biomedical Insights with Social Determinants of Health, University of Delaware (with UVa & Univ. Iowa), 2023-25, Key Personnel ($1.5 million)
4. DARPA AI Forward Workshop, Summer 2023, Travel Scholarship recipient, Boston
5. UNIDEL Foundation: Communications Training for UD Researchers, University of Delaware, 2023-24, Faculty Collaborator ($167,608)
6. NSF HDR: Delaware and Mid-Atlantic Data Science Corps, University of Delaware, 2021-26, Key Personnel ($1.5 million)
7. Herman & Charlotte Glotzer Scholarship for the Study of Ideas: The Dilemma of Artificial Autonomy, University of Delaware, 2019-20, Principal Investigator ($4,000)
8. NSF REU SITE: Interfacing Sustainable Energy and Materials, 2015-18, Senior Personnel ($360,577)
9. NSF SES: Becoming the Online Resource Center for Ethics Education in Engineering and Science (Supplement, with the National Academy of Engineering, PI R. Hollander), 2014-2019, Delaware Lead Investigator, ($209,239)
10. NSF IGERT: Systems Biology in Engineered Environments, 2012-17, Faculty Personnel, ($3 million)
11. USDA NIFA: Agriculture's Global Challenges: Food Security, Bioenergy, and Biodiversity--Building Educational and Research Partnerships with Brazil, 2011-14, Co-PI ($150,000)
12. NSF OISE: U.S.-Pakistan Workshop on Environmental Nanotechnology & Ethics, 2011, Co-PI ($60,000)
13. NSF & DE EPSCoR: Research Infrastructure Improvement Grant (RII-2), 2008-2013, Co-PI ($20.5 million)
14. NSF NUE: Connecting Nanotechnology and Alternative Energy Approaches through Undergraduate Education in Engineering, 2009-13, Co-PI ($199,190)
15. Delaware Humanities Forum Grant: The Ethics of Climate Change, 2009, Principal Investigator, ($13,000)

16. American Philosophical Association: Conference Grant for "The Ethics of Climate Change" 2009, Principal Investigator, with Fred Schueler ($5,000)
17. NSF REU: Nature InSpired Engineering, University of Delaware, 2009-2012, Faculty Personnel
18. UD Graduate Improvement and Innovation Grant, RAISE-2, 2008-2009, Principal Investigator ($67,000)
19. NSF EESE: RAISE--Research And Integrity in Science and Engineering, 2007-2009, Principal Investigator ($99,800)
20. NSF New England Workshop on Science and Social Change “Collaborative Generation of Environmental Knowledge and Inquiry” Woods Hole, Mass., April 2007, Participant
21. NSF & DE EPSCoR: Research Infrastructure Improvement Grant (RII-1), 2006-2008, Senior Personnel ($6.67 million)
22. NSF REU: Creating Computer Applications for Medicine, University of Virginia, Summers 2005 and 2006, Ethics faculty personnel
23. NSF CCLI-DUE: Developing On/Off-line Computer Ethics (DOLCE), Golden, Co., May 2002, Participant
24. Center for Science, Technology, and Society Summer Faculty Research Grant, "Defining the Parameters of Undergraduate Web-based Research" Santa Clara University June 2000, Principal Investigator
25. Center for Science, Technology, and Society Summer Faculty Research Grant, "Developing a Text for the Philosophy Course: Science, Technology, and Ethics" Santa Clara University June 1999, Principal Investigator
26. School of Engineering Grant for Engineering Ethics, Santa Clara University, Summer 1999, Principal Investigator
27. University Curriculum Development Grant "Developing a New Graduate Course in Software Engineering Ethics" Santa Clara University 1998-99, Co-PI
28. Markkula Center for Applied Ethics Grant, Faculty Seminar on Affirmative Action, Santa Clara University 1998-99, Participant
29. NEH Summer Seminar on German Social Theory, University of Chicago, 1995, Participant

INVITED TALKS AND PRESENTATIONS

1. “What is ‘meaningful human control’ in autonomous weapons systems?” IACAP 2026, University of Kansas, July 2026
2. “A Roadmap for Responsible Robotics” IEEE-Int’l Conference on Robotics and Automation, Vienna, June 2026
3. “AI in Healthcare: Promise, Risk, and Reality” Panel, Brandywine Hundred Library, Wilmington, May 2026
4. “Thinking with AI or through AI?” Panel, First State AI Institute, Newark, May 2026
5. **“**Data Science & Artificial Intelligence to Support Healthy Communities” Panel, Christiana Care ACCEL- Center for Translational Research Community Research Exchange Conference, Newark, Delaware, October 2025
6. “To AI Responsibly: In search of the Human Compass for AI and Business,” Delaware Sustainable Chemistry Alliance, New Castle County Chamber of Commerce, Wilmington, Delaware, October 2025
7. "Data Science Collaboration in the Era of AI" Panel, Delaware Data Science Symposium, Newark, Delaware, October 2025
8. “U.S. Academic Research: A History and Status Report” IACAP/AISB 2025, University of Twente, July 2025
9. “Knowledge Graphs as Trustworthy and Safe AI” IACAP/AISB 2025, University of Twente, July 2025
10. “Deontological Ethics in AI” IACAP 2024, University of Oregon, July 2024
11. “The Ethics of AI in the Classroom and in the Lab” University of New England, Biddeford, Maine, April 2024
12. “Rethinking Research Ethics in the Age of Generative AI” AI for Teaching and Learning Seminar, University of Delaware, October 2023
13. “Trust” Dagstuhl Seminar Tutorial, Roadmap for Responsible Robotics, *Leibniz-Zentrum für Informatik*, Germany, September 2023
14. “The Ethics of Data Science and AI” North East Regional IDeA Conference, Wilmington Delaware, August 2023
15. “Can AIs Behave Themselves? Towards a Genuine Machine Ethics” European and North American Workshop on the Ethics of Artificial Intelligence, Rome, October 2022
16. “Corporate Robotic Responsibility” International Association for Computing and Philosophy (IACAP), Santa Clara, July 2022
17. “‘The Right’ and ‘The Good’ in STEM Ethics” UD Materials Research Society, March 2021
18. “What are the Ethics of Data Science and AI?” UD Center for Bioinformatics and Computational Biology, March 2021
19. “The Predicament of the Ethics of AI” North Carolina State University, February 2021

20. “A Data Ethics Ontology” UD Computational Social Science Symposium, October 2020
21. “Considerations of the Ethics of AI” IEEE Delaware Bay Section, October 2020
22. “Machine Ethics: Philosophical Approaches” Dagstuhl seminar on “Ethics and Trust: Principles, Verification and Validation,” *Leibniz-Zentrum für Informatik*, Germany, April 2019
23. “Computational Data Science: Epistemological and Ethical Challenges” Keynote Address, International Association for Computing and Philosophy, Warsaw, June 2018
24. “Answering CP Snow’s ‘Two Cultures’: Doing Philosophy *with* Science” Universitat de les Illes Balears, Spain, June 2018
25. “Artificial Intelligence, Automation, and Autonomy” Workshop on Regulation of Artificial Intelligence, University of Surrey School of Law, Surrey, England, March 2018
26. “Globalizing Science and Engineering Ethics: Convergence or Equilibrium?” Society for Philosophy and Technology, Darmstadt, Germany, June 2017
27. “The Ambivalent Ethics of Autonomous Vehicles” Transport Futures: Mobility Pricing and Automated Vehicles Conference, Toronto, November 2016
28. “Perspicuous Normative Language” Automated Vehicles Symposium, San Francisco July 2016
29. “Understanding International Perspectives in Science and Engineering Ethics” American Society for Engineering Education, New Orleans, June 2016
30. “Towards a Prescriptive Deontological Non-Monotonic Machine Ethics” (with Jean-Gabriel Ganascia), IACAP, Ferrara Italy, June 2016
31. “Robots: Ethical, Social, and Legal Issues” Osher Institute, Wilmington, Delaware, April 2016
32. “Nanotechnology: A Path Forward for Developing Nations” (with Ismat Shah), Science in the Developing World, University of Waterloo, Canada, September 2015
33. “Top-down Machine Ethics” Pacific Division Meeting of the American Philosophical Association, Vancouver, April 2015
34. “Science and Ethics: A Shifting Relationship” Delaware Environmental Institute, Wilmington, February 2015
35. “Can There Be an Ethics of Design?” SRPoiSE Group Meeting, Eastern Division Meeting of the American Philosophical Association, Philadelphia, December 2014
36. “Information Justice” Eastern Division Meeting of the American Philosophical Association, Philadelphia, December 2014
37. “The Ethics of High-Tech Warfare” Pennsylvania Alliance for STEM Education, West Chester Pennsylvania, November 2014
38. “The Promise and Peril of Principles in Research Ethics” (with Mark Greene) 9th Annual Nursing Research Conference, Newark Delaware, November 2014
39. “Safety, Privacy, and Meta-Data” (with Eric Best) Computer Ethics--Philosophical Enquiry, Paris France, June 2014
40. “Parameters and Information Sources for an Autonomous Robot” (Panel on Ethics and Autonomous Agents) Computer Ethics--Philosophical Enquiry, Paris, June 2014
41. “The Ethics of the Bioenergy Market” Brazil Symposium: Global Challenges in Agriculture, Environment, and Energy, Newark Delaware, May 2014
42. “The Public Computer System and Accountability” Northeast Conference on Public Administration, Newark Delaware, November 2013
43. “Prospects for a Smithian Machine” International Association for Computing and Philosophy, College Park, Maryland, July 2013
44. “Environmental Ethics and Nanotechnology” Joint International Workshop on Nanotechnology: Policy, Ethics and Science, Islamabad, Pakistan March 2013
45. “A New Naturalism for Environmental Ethics” University of Genoa, Italy, January 2013
46. “Teaching Ethics to Scientists: Why Rules and Consequences Matter” University of Miami, September 2012
47. “Teaching a Course in Ethics in Nanoscience” AAAS Science & Human Rights Coalition Meeting, Washington D.C., July 2012
48. “Explaining Technological Action” Delft University of Technology, the Netherlands, July 2012
49. “Aggregation and Future Individuals” International Conference on Interpretive Policy Analysis, Tilburg University, the Netherlands, July 2012
50. “Science-related Ethics and Public Policy Research" Universidade Federal de Lavras, Brazil, April 2012

51. “Cases and Methods in Research Ethics” Medical Society of Delaware Spring CME Symposium, Newark DE, April 2012
52. “Decision Procedures for Nanotechnology Development" 3rd Int'l Conference on Nanotechnology (Al Ain, U.A.E.), December 2011
53. “Decision Procedures for Nanotechnology Development" ISESCO-COMSATS-NSF Int'l Conference on Nanomaterials & Nanoethics (Lahore, Pakistan), December 2011
54. “Fabrics of Science: Quine and the Possibility of Collaboration" Pacific Division Meeting of the American Philosophical Association, San Diego, April 2011
55. “The Machines are Here and Driving Us: Allen and Wallach's *Moral Machines*" Pacific Division Meeting, American Philosophical Association, San Francisco, April 2010
56. “Kantian Humanism and Human Enhancement” Oxford University, December 2009
57. “Author Meets Critics” for Jerry Gaus (Kavka Prize in Political Philosophy), Pacific Division Meeting of the American Philosophical Association, Vancouver, April 2009
58. “Ethics and Biofuels: Distributive and Intergenerational Justice” Society of Toxicology Annual Meeting, Baltimore, March 2009
59. “Author Meets Critics” session for *Moral Machines* by C. Allen and W. Wallach, Association for Practical and Professional Ethics, Cincinnati, March 2009
60. “Virtual Action Theory” Conference on Virtual Worlds and Interpretive Communities, University of Nevada, Las Vegas, February 2009
61. “Getting ‘Good Science’ Right: Research Ethics and the America COMPETES Act” California Polytechnic University, San Luis Obispo, February 2009
62. “AI and Eldercare” (invited ethics symposium speaker) Association for the Advancement of Artificial Intelligence Fall Symposium, November 2008
63. “Bioethics in a Time of Changing Technologies” Nemours Center for Pediatric Research, Delaware, September 2008
64. “The Ethics of Biofuels: Starving Peter to Drive Paul?” Plants & Soils: Montreal ’08 (invited plenary symposium speaker) July 2008
65. “Neuroimaging and Philosophical Moral Psychology” Institute for Clinical Research, Montreal, July 2008
66. “Is Ethics Computable?” (invited plenary session panelist) North American Computing and Philosophy Conference (NA-CAP), Indiana, July 2008
67. “Smith and Kant on Moral Psychology” University of Delaware, April 2008
68. “Discovering Engineering Ethics in the Silicon Valley” American Society for Engineering Education Annual Conference, July 2007
69. “Design and Action: A Framework for the Philosophy of Engineering” University of North Carolina-Charlotte, February 2007
70. “Can There Be a Science of Ethics?” Delaware Biotechnology Institute, October 2006
71. “Distributive Justice and Information Technology” Georgia Tech School of Public Policy, January 2006
72. “Deontological Machine Ethics” Association for the Advancement of Artificial Intelligence Fall Symposium, November 2005
73. “An Account of the Moral Agency of Technology” University of North Texas, February 2005
74. “Towards a Kantian Critique of Technology (the Long Route)” Drexel University, January 2005
75. “On De George’s *The Ethics of Information Technology and Business*” Eastern Division Meeting of the American Philosophical Association, Boston, December 2004
76. “Normative Arguments and the Apparent Conflict of Values” University of Delaware General Education Institute, June 2004
77. “Intentionality and Moral Agency in Computers” European Computing and Philosophy (E-CAP), Pavia, Italy, June 2004
78. “Computers as Surrogate Agents” (with Deborah Johnson) ETHICOMP-Syros, Greece, April 2004
79. “How Much Theory: Towards a Meta-Applied Ethics” 13th Annual Meeting of the Association for Practical and Professional Ethics, Cincinnati, February 2004
80. “A Kantian Critique of Technology” Society for Social Studies of Science Annual Meeting, October 2003
81. “The World According to Kant” Philosophical Forum, Linköping, Sweden, September 2003
82. “The Moral Agency of Technology” University of Linköping, Sweden, September 2003

83. “Real Wrongs in Virtual Communities,” Fifth International Conference of Computer Ethics - Philosophical Enquiry (CEPE), Boston College, June 2003
84. “Ideas, Expressions, Universals, and Particulars,” Sixth Annual Ethics and Technology Conference, Boston College, June 2003
85. “The Computer Layer in Pedagogy” Pacific Division Meeting American Philosophical Association and the Society for Philosophy and Technology, San Francisco, April 2003
86. “Responsible Computing: Towards a Policy for University Computer Use,” Markkula Center for Applied Ethics, Santa Clara University, April 2003
87. “An Idiosyncratic Philosophy of Technology,” TCC Colloquium, University of Virginia, January 2003
88. “Responsibility in Software Engineering: Uncovering an Ethical Model,” ETHICOMP-Lisbon, November 2002
89. “Kantian Freedom and the Defeasible Conception of Dignity,” Pacific Division Meeting of the American Philosophical Association, San Francisco, March 2002
90. “A Kantian Account of Dignity,” Markkula Center for Applied Ethics, Santa Clara University, January 2001
91. “The Kantian Critique of Technology,” San Jose Intercollegiate Philosophy Forum, November 2000
92. “Consistency and the Categorical Imperative,” University of California at Santa Cruz, November 1997
93. “Some Problems with Kantian Ethical Formalism,” Central Division Meeting, American Philosophical Association, Pittsburgh, May 1997
94. “Georg Simmel as a Neo-Kantian,” Simmel Conference, University of Colorado at Boulder, April 1996
95. “The ‘Object of Experience’ in Kant’s Critical Metaphysics,” St. Joseph’s University, February 1996
96. “Kantian Reflections on Bodies and Body-Parts,” Northern Arizona University, January 1996