CV

# Daniel J. Hicks

Associate Professor of Philosophy

University of California, Merced

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## Areas of interest

**Philosophy**: philosophy of science, ethics, social and political philosophy

**Science and Technology Studies**: science policy, environmental policy

**Data Science**: text mining, bibliometrics, philosophy of statistical modeling

## Professional appointments

2023- **Department Chair** University of California, Merced (Department of Philosophy)

2023- **Associate Professor of Philosophy** University of California, Merced (Department of Philosophy; Affiliate Faculty, Public Health Graduate Group; Affiliate Faculty, Health Sciences Research Institute)

2019-2023 **Assistant Professor of Philosophy** University of California, Merced (Department of Cognitive Science)

2017-2019 **Postdoctoral Researcher** University of California, Davis (Data Science Intiative)

2015-2017 **Science and Technology Policy Fellow** American Assocation for the Advancement of Science (2015-16: Hosted by the Environmental Protection Agency, Chemical Safety for Sustainability Program; 2016-17: Hosted by the National Science Foundation, National Robotics Initiative)

2013-2015 **Postdoctoral Fellow** University of Western Ontario (Rotman Institute of Philosophy)

2012-2013 **Postdoctoral Fellow** University of Notre Dame (College of Arts and Letters and Department of Philosophy)

## Education

2012 **PhD, Philosophy** University of Notre Dame (Notre Dame, IN)

2003 **MS, Mathematics** University of Illinois, Chicago (Chicago, IL)

2002 **BS, Mathematics + Politics and Government** University of Puget Sound (Tacoma, WA)

## Peer-reviewed publications

1.

Pence, C. H., & Hicks, D. J. (2023). Challenges for “Community” in Science and Values. *HUMANA.MENTE Journal of Philosophical Studies*, *16*(44, 44), 1–32. <https://www.humanamente.eu/index.php/HM/article/view/385>

2.

Hicks, D. J. (2023). Open science, the replication crisis, and environmental public health. *Accountability in Research*, *30*(1), 34–62. <https://doi.org/10.1080/08989621.2021.1962713>

3.

Contreras Kallens, P., Hicks, D. J., & Jennings, C. D. (2022). Networks in philosophy: Social networks and employment in academic philosophy. *Metaphilosophy*, *53*(5), 653–684. <https://doi.org/10.1111/meta.12591>

4.

Hicks, D. J. (2022). When Virtues are Vices: ’Anti-Science’ Epistemic Values in Environmental Politics. *Philosophy, Theory, and Practice in Biology*, *14*(0, 0). <https://doi.org/10.3998/.2629>

5.

Hicks, D. J. (2022). The P value plot does not provide evidence against air pollution hazards. *Environmental Epidemiology*, *6*(2), e198. <https://doi.org/10.1097/EE9.0000000000000198>

6.

Hicks, D. J., & Lobato, E. J. C. (2022). Values disclosures and trust in science: A replication study. *Frontiers in Communication*, *7*. <https://doi.org/10.3389/fcomm.2022.1017362>

7.

Hicks, D. J. (2021). Productivity and interdisciplinary impacts of Organized Research Units. *Quantitative Science Studies*, *2*(3), 990–1022. <https://doi.org/10.1162/qss_a_00150>

8.

Hicks, D. J., Magnus, P. D., & Wright, J. (2020). Inductive Risk, Science, and Values: A Reply to MacGillivray. *Risk Analysis*, *40*(4), 667–673. <https://doi.org/10.1111/risa.13434>

9.

Hicks, D. J. (2020). Census Demographics and Chlorpyrifos Use in California’s Central Valley, 2011–15: A Distributional Environmental Justice Analysis. *International Journal of Environmental Research and Public Health*, *17*(7, 7), 2593. <https://doi.org/10.3390/ijerph17072593>

10.

Hicks, D. J., Coil, D. A., Stahmer, C. G., & Eisen, J. A. (2019). Network analysis to evaluate the impact of research funding on research community consolidation. *PLOS ONE*, *14*(6), e0218273. <https://doi.org/10.1371/journal.pone.0218273>

11.

Fernández Pinto, M., & Hicks, D. J. (2019). Legitimizing Values in Regulatory Science. *Environmental Health Perspectives*, *127*(3), 035001. <https://doi.org/10.1289/EHP3317>

12.

Hicks, D., & Simmons, R. (2019). The National Robotics Initiative: A Five-Year Retrospective. *IEEE Robotics Automation Magazine*, *26*(3), 2–9. <https://doi.org/10.1109/MRA.2019.2912860>

13.

Hicks, D. J. (2018). The Safety of Autonomous Vehicles: Lessons from Philosophy of Science. *IEEE Technology and Society Magazine*, *37*(1), 62–69. <https://doi.org/10.1109/MTS.2018.2795123>

14.

Hicks, D. J., Stahmer, C., & Smith, M. (2018). Impacting Capabilities: A Conceptual Framework for the Social Value of Research. *Frontiers in Research Metrics and Analytics*. <https://doi.org/10.3389/frma.2018.00024>

15.

Hicks, D. J. (2018). Inductive Risk and Regulatory Toxicology: A Comment on de Melo-Martín and Intemann. *Philosophy of Science*, *85*(1), 164–174. <https://doi.org/10.1086/694771>

16.

Hicks, D. J. (2017). Genetically Modified Crops, Inclusion, and Democracy. *Perspectives on Science*, *25*(4), 488–520. <https://doi.org/10.1162/POSC_a_00251>

17.

Hicks, D. J. (2016). Bibliometrics for Social Validation. *PLOS ONE*, *11*(12), e0168597. <https://doi.org/10.1371/journal.pone.0168597>

18.

Hicks, D. J., & Stapleford, T. A. (2016). The Virtues of Scientific Practice: MacIntyre, Virtue Ethics, and the Historiography of Science. *Isis*, *107*(3), 449–472. <https://doi.org/10.1086/688346>

19.

Hicks, D. J. (2015). Epistemological depth in a GM crops controversy. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*, *50*, 1–12. <https://doi.org/10.1016/j.shpsc.2015.02.002>

20.

Hicks, D. J. (2015). On Okin’s critique of libertarianism. *Canadian Journal of Philosophy*, *45*(1), 37–57. <https://doi.org/10.1080/00455091.2014.996118>

21.

Hicks, D. J. (2014). A new direction for science and values. *Synthese*, *191*(14), 3271–3295. <https://doi.org/10.1007/s11229-014-0447-9>

22.

Hicks, D. (2011). On the Ideal of Autonomous Science. *Philosophy of Science*, *78*(5), 1235–1248. <https://doi.org/10.1086/662255>

23.

Hicks, D. J. (2011). Is Longino’s Conception of Objectivity Feminist? *Hypatia: A Journal of Feminist Philosophy*, *26*(2), 333–351. <https://doi.org/10.1111/j.1527-2001.2010.01160.x>

## Other scholarly products

1.

Hicks, D. J. (2023, May 2). *Tmfast fits topic models fast*. <http://arxiv.org/abs/2305.01535>

2.

Hicks, D. J. (2023). Review of Cartwright, A Philosopher Looks at Science. *Philosophy of Science*, 1–5. <https://doi.org/10.1017/psa.2023.63>

3.

Hicks, D. (2022, March 16). *Young’s P-Value Plot as an Agnogenic Technique, Dan Hicks*. Social Epistemology Review; Reply Collective. <https://social-epistemology.com/2022/03/16/youngs-p-value-plot-as-an-agnogenic-technique-dan-hicks/>

4.

Stapleford, T. A., & Hicks, D. J. (2021). Seeing Science as a Communal Practice: MacIntyre, Virtue Ethics, and the Study of Science. In E. Ratti & T. A. Stapleford (Eds.), *Science, Technology, and Virtues: Contemporary Perspectives*. Oxford University Press. <https://books.google.com?id=R30_EAAAQBAJ>

5.

Hicks, D. J. (2020, May 20). *Comment submitted by Daniel J. Hicks, Department of Cognitive and Information Sciences, University of California, Merced*. Regulations.gov. <https://www.regulations.gov/document?D=EPA-HQ-OA-2018-0259-11405>

6.

Brister, E., & Hicks, D. J. (2020). Contributions of Women to Philosophy of Science: A Bibliometric Analysis. In S. Crasnow & K. Intemann (Eds.), *The Routledge Handbook of Feminist Philosophy of Science*. Routledge.

7.

Hicks, D. J., Morris, R., & Brister, E. (2018). *Computational History of Philosophy of Science (Comp HOPOS) Dataset* [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.1400633>

8.

Hicks, D. J. (2018, June 19). *Kevin C. Elliott and Ted Richards, Exploring Inductive Risk*. BJPS Review of Books. <https://bjpsbooks.wordpress.com/2018/06/19/elliott-richards-exploring-inductive-risk>

9.

Hicks, D., & Elliott, K. (2018). *A Framework for Understanding Wishful Thinking*. <http://philsci-archive.pitt.edu/14348/>

10.

Hicks, D. (2017, December 18). *The Underproduction of Philosophy PhDs*. Daily Nous. <http://dailynous.com/2017/12/18/underproduction-philosophy-phds-daniel-hicks/>

11.

Hicks, D. J., & Millstein, R. L. (2016). GMOs: Non-health Issues. In P. B. Thompson & D. M. Kaplan (Eds.), *Encyclopedia of Food and Agricultural Ethics* (pp. 1–11). Springer Netherlands. <https://doi.org/10.1007/978-94-007-6167-4_545-1>

12.

Hicks, D. J. (2015). Myles Jackson, The Genealogy of a Gene. *Monash Bioethics Review*, *34*, 88–91. <https://doi.org/10.1007/s40592-015-0043-x>

13.

Hicks, D. (2013). Paul Pojman (ed): Food ethics, Wadsworth, Cengage Learning, Boston, Massachusetts, 2012, 199 pp, ISBN 9781111772307 David Kaplan (ed): The philosophy of food, University of California Press, Berkeley, California, 2012, 320 pp, ISBN 9780520269330. *Agriculture and Human Values*, *30*(4), 657–658. <https://doi.org/10.1007/s10460-013-9468-0>

14.

Hicks, D. J. (2012). *Scientific Practices and Their Social Context*. U. of Notre Dame.

## General interest publications

1.

Hicks, D. (2021). Comment on Mills, ’Unmasking Scientific Expertise’. *Issues in Science and Technology*, *38*. <https://issues.org/veneer-objectivity-unmasking-expertise-mills-forum/>

2.

Hicks, D. J. (2017, January). Scientific Controversies as Proxy Politics. *Issues in Science and Technology*, *33*, 67–72. <https://www.jstor.org/stable/24891967>

3.

Hicks, D. J. (2013). If You Can’t Beat ’Em, Eat ’Em! *Edible Michiana*.

## Scholarly talks

April 2024 **Dewey Center, Southern Illinois State University Carbondale** Defusing the Democracy Defense: Scientists as Epistemic Representatives (<https://www.youtube.com/watch?v=1tKTnaKNt0Y>)

* Invited

May 2024 **Knowledge, Science, and Society** Developing a Values in Science Scale (VISS) (UC San Diego)

May 2023 **11th Values in Medicine, Science, and Technology Conference** Anarchism, Cynicism, and Public Critique of Science (UT Dallas)

* Invited

November 2022 **Philosophy of Science Association** (2022 Biennial Meeting, Pittsburgh, PA)

* Symposium organizer: Race, Science, and Race Science
Presentation (with Emilio Lobato): Mainstreaming Race Science

May 2022 **Conference on Values in Medicine, Science, and Technology** Developing Measures of Public Perceptions of Values in Science (UT Dallas)

April 2022 **Center for Values in Medicine, Science, and Technology** The Crisis of Trust in Science, and Other Myths (UT Dallas)

* Invited

April 2022 **Values in Science and Political Philosophy** Developing Measures of Public Perceptions of Values in Science (Claremont McKenna College)

November 2021 **Philosophy of Science Association** Critical Theory for Science (2020/21 Meeting, Baltimore, MD)

* Symposium: Science and Justice

March 2021 **Digital Studies of Digital Science (DS²)** Open science can’t solve the replication crisis (UCLouvain)

* <https://www.youtube.com/watch?v=uheU_W7_oz8>

July 2020 **Consortium for Socially Relevant Philosophy of/in Science and Engineering** (2020 Conference, East Lansing, MI)

* Individual Presentation: When Virtues are Vices: The Weaponization of Epistemic Values Panelist: Philosophy of Science Of/In Artificial Intelligence *Conference cancelled due to Covid-19*

May 2020 **Symposium on Values in Medicine, Science, and Technology** When Virtues are Vices: “Anti-Science” Epistemic Values in Environmental Politics (UT Dallas)

* Invited <https://www.youtube.com/watch?v=4zpdIxsh7_Q>

May 2020 **10th Annual Conference on Values in Medicine, Science, and Technology** (title TBD) (UT Dallas)

* Invited Conference cancelled due to Covid-19

May 2020 **Workshop on Public Engagement and Philosophy of Science** (Center for Public Engagement with Science, University of Cincinatti)

* Working Group Leader: Science Communication

April 2020 **Doing Science in a Pluralistic Society** When Virtues are Vices: The Weaponization of Scientific Norms (University of Dayton)

* <https://www.youtube.com/watch?v=ORzN3Wygtlw>

May 2019 **2019 Conference on Values in Medicine, Science, and Technology** Recruiting Underrepresented Groups in Philosophy (University of Texas at Dallas)

February 2019 **University of California, Merced** Explainable Machine Learning: An Integrated Epistemic-Ethical Analysis (Department of Cognitive and Information Sciences)

* Invited

January 2019 **University of Oregon** Explainable Machine Learning: An Integrated Epistemic-Ethical Analysis (Department of Philosophy)

* Invited

November 2018 **Philosophy of Science Association** (2018 Biennial Meeting, Seattle, WA)

* Symposium co-organizer (with Maya Goldenberg): Trust and the Feminist Politics of Science Individual presentation: Why Baier? Feminism, Trust, and Power Poster (with Evelyn Brister): Contributions of Women to Twentieth Century Philosophy of Science

August 2018 **Association for Feminist Epistemologies, Methodologies, Metaphysics, and Science Studies** Contributions of Women to Philosophy of Science (FEMMSS 7, Oregon State University, Corvallis, OR)

* With Evelyn Brister

June 2018 **AAAS Pacific Division** Weaponized Virtues and Deregulatory “Anti-Science” (2018 Annual Meeting, Pasadena, CA)

June 2018 **Consortium for Socially Relevant Philosophy of/in Science and Engineering** The Triple Movement of Research Metrics (Fourth Annual Conference, Atlanta, GA)

May 2018 **2018 Conference on Values in Medicine, Science, and Technology** The Triple Movement of Research Metrics (University of Texas at Dallas)

April 2018 **Science, Technology, and the Good Life** Toleration, Dangerous Research, and the Goods of Scientific Conflict (University of Notre Dame)

* Invited

May 2017 **2017 Conference on Values in Medicine, Science, and Technology** The Safety Argument for Autonomous Vehicles (University of Texas at Dallas)

February 2017 **University of Florida** Explainable Artificial Intelligence: A Coupled Epistemic-Ethical Analysis ()

* Invited

November 2016 **Philosophy of Science Association** (2016 Biennial Meeting, Atlanta, GA)

* Session organizer: “Science, Values, and Wishful Thinking” Presentation (with Kevin Elliott): Political Dimensions of Wishful Thinking

October 2016 **Association for Feminist Epistemologies, Methodologies, Metaphysics, and Science Studies** Does this study make me look fat? A critical examination of BMI categories, research, and public perception of weight (FEMMSS 6, University of Notre Dame)

* With Catherine Womack

June 2016 **Fifth Summer Symposium on Science Communication** Democracy, Inclusion, and Bad Actors (Iowa State University)

May 2016 **Consortium for Social Relevant Philosophy of/in Science and Engineering** (Third Annual Conference, University of Texas at Dallas)

* Workshop organizer: Consultant, Clinician, Wonk, Philosopher: Non-Academic Careers for Philosophers
Individual presentation: The Philosopher Bureaucrat’s Dilemma

February 2016 **Kennedy Institute of Ethics** Genetically Modified Crops, Inclusion, and Democracy ()

* Invited

July 2015 **International Society for the History, Philosophy, and Social Studies of Biology** Feeding the World: Epistemically Significant Decisions in Statistical Modeling (2015 Meeting, Montréal, QC)

June 2015 **Society for Philosophy of Science in Practice** A Satanic Mill for Science? (Fifth Biennial Conference, Aarhus, DK)

May 2015 **2015 Conference on Values in Medicine, Science, and Technology** Communicative Democracy and the GM Crops Controversy (University of Texas at Dallas)

May 2015 **Third Annual Workshop on Food Justice and Peace** Communicative Democracy and the GM Crops Controversy (Michigan State University)

May 2015 **Algorithms and Complexity in Mathematics, Epistemology and Science** Statistical Practice as Model-Based Science (University of Western Ontario)

February 2015 **Providence College** The Epistemological Depth of a GM Crops Controversy ()

* Invited

January 2015 **California State University, Northridge** The Epistemological Depth of a GM Crops Controversy ()

* Invited

November 2014 **History of Science Society** Practices as a Framework for History and Social Science (2014 Annual Meeting, Chicago, IL)

November 2014 **Philosophy of Science Association** Genetically Modified Crops and the Underdetermination of Evidence by Epistemology (2014 Biennial Meeting, Chicago, IL)

August 2014 **Science, Technology, and Gender: Challenges and Opportunities** Do GMOs Increase Crop Yields? It Depends Who You Trust (Canadian Society for Women in Philosophy, University of Waterloo)

July 2014 **North American Society for Social Philosophy** Depoliticization and Genetically Modified Foods (31st International Social Philosophy Conference, Ashland, OR)

June 2014 **Socially Relevant Philosophy of/in Science and Engineering** (First Annual Conference, University of Waterloo)

* Symposium organizer: Questioning the Neutrality of Science for Policy Presentation: Do GMOs Increase Crop Yields? It Depends Who You Trust

June 2014 **Fourth Summer Symposium on Science Communication** Do GMOs Increase Crop Yields? It Depends Who You Trust (Iowa State University)

May 2014 **Canadian Philosophical Association** Dual-Use Research and the Scientific Community (Congress 2014, Brock University)

* With Charles Pence

May 2014 **Science-Policy Interactions** Do GMOs Increase Crop Yields? It Depends Who You Trust (University of Texas at Dallas)

February 2014 **American Association for the Advancement of Science** Why is the GMOf Debate so Intractable? (2014 Annual Meeting, Chicago, IL)

* General Poster Session

October 2013 **Association for Feminist Ethics and Social Theory** On Okin’s Critique of Libertarianism (2013 Conference, Tempe, AZ)

May 2013 **Third Summer Symposium on Science Communication** The Two Dimensional Values Gap in the GMOf Controversy (Iowa State University)

April 2013 **Food Justice and Peace Workshop** Neoliberalism or Polis: The Politics of a Local Food Movement (Michigan State University)

March 2013 **American Philosophical Association, Committee on the Teaching of Philosophy** A Class on Philosophy and Food: Groping towards Service Learning for Philosophy of Science (Pacific Division Meeting, San Francisco, CA)

* Session on Academic Service-Learning

March 2013 **Public Philosophy Network** A Class on Philosophy and Food: Groping towards Service Learning for Philosophy of Science (Advancing Public Philosophy Conference, Atlanta, GA)

December 2012 **Departments of Philosophy and Women’s, Gender, & Sexuality Studies** Two Views of Scientific Practice (University of Connecticut)

July 2012 **North American Society for Social Philosophy** Rawls’s Rationalist Conception of Personhood (29th International Social Philosophy Conference, Northeastern University)

April 2012 **Science-Policy Interactions Conference** Two Conceptions of Scientific Practice (University of Texas at Dallas)

March 2012 **University of Texas at Dallas** Two Conceptions of Scientific Practice ()

* Invited

December 2011 **American Philosophical Association** Rawls’s Rationalist Conception of Personhood (Eastern Division Meeting, Washington, DC)

April 2011 **Science, Knowledge, and Democracy** On the Ideal of Autonomous Science (Three Rivers Philosophy Conference 2011, University of South Carolina)

November 2010 **Philosophy of Science Association** On the Ideal of Autonomous Science (2010 Biennial Meeting, Montréal, QC)

May 2009 **Science and Values: The Politicization of Science** Is Longino’s Conception of Objectivity Feminist? (Zentrum für interdisziplinäre Forschung, Universität Bielefeld)

April 2009 **International Association for Science, Technology, and Society** The Value of Explanation (25th Annual Conference, Rochester, NY)

## Public and cross-disciplinary talks

April 2024 ***HPS Podcast*** (<https://www.hpsunimelb.org/the-hps-podcast/episode/7fae0eeb/s3-ep-4-dan-hicks-on-public-scientific-controversies>)

* Interview

February 2022 ***Sci Phi Podcast*** (<https://sciphipod.org/podcast/2022/2/8/episode-73-dan-hicks>)

* Interview

April 2017 **Society for the Psychological Study of Social Issues** Science, Policy, and Controversy: The Scylla of Scientism and the Charybdis of Alternative Facts (<https://www.youtube.com/watch?v=9m4qvTrHBK0>)

* Invited public talk

January 2017 **Arizona State University DC Center** Confronting Scientific Controversies: Do Facts Matter? (<http://cspo.org/event/cs012717/?mc_cid=449413048c&mc_eid=c7495401c5>)

* Invited public dialogue with science journalist Keith Kloor

September 2016 **Hofstra University** The Myth of Science-Based Policy ()

* Invited public talk

November 2015 **Society for the Social Studies of Science** 6S [Student Section] Career Development Panel (Denver, CO)

* Panelist

April 2015 **Humanist Association of London and Area** The GMO Controversy: Health, Safety, … and What Else? (London, Ontario)

* Invited public talk

February 2014 ***ScienceNow*** Q&A: Why Are We Still Shouting about GMOs? (<https://www.science.org/content/article/qa-why-are-we-still-shouting-about-gmos>)

* Interview

April 2013 **Saint Mary’s College** Local is Everywhere (Notre Dame, IN)

* Invited public talk

## Students

* Emilio Lobato (UC Merced, Ph.D., co-advisor)
* Daisy Underhill (UC Davis, Ph.D., prospectus committee member)
* Aaron Chavez (UC Davis, Ph.D., prospectus committee member)
* Dennis Perez (UC Merced, M.A., committee member)
* Anthony Sainez (UC Merced, undergraduate, research supervisor)
* Kaeda Sabrewing (UC Merced, undergraduate, research supervisor)
* Rebecca Korf (UC Irvine, Ph.D., committee member)
* Cosmo Campbell (UC Merced, undergraduate, research supervisor)
* Joseph Dad (UC Merced, undergraduate, research supervisor)