

Curriculum Vitae

Daniel J. Hicks

Data Science Initiative
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Areas of Interest

- Philosophy: philosophy of science, ethics, social and political philosophy
- Science and Technology Studies: science policy, environmental policy, research program evaluation
- Data Science: bibliometrics, data ethics, philosophy of statistical modeling

Professional Appointments

2017-	University of California, Davis Data Science Initiative Postdoctoral Researcher	Davis, CA
2015-17	American Association for the Advancement of Science Science and Technology Policy Fellow <ul style="list-style-type: none">• 2015-16: Hosted by the Environmental Protection Agency, Chemical Safety for Sustainability Program• 2016-17: Hosted by the National Science Foundation, National Robotics Initiative	Washington, DC
2013-15	University of Western Ontario Rotman Institute of Philosophy Postdoctoral Fellow	London, ON
2012-13	University of Notre Dame College of Arts and Letters and Department of Philosophy Postdoctoral Fellow	Notre Dame, IN

Education

Ph.D.	University of Notre Dame May, 2012 Philosophy Graduate minor in Gender Studies Dissertation title: <i>Scientific Practices and their Social Context</i> Dissertation advisor: Don Howard	Notre Dame, IN
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M.A.	University of Notre Dame May, 2008 Philosophy	Notre Dame, IN
M.S.	University of Illinois, Chicago August, 2003 Mathematics	Chicago, IL
B.S.	University of Puget Sound May, 2002 Mathematics Second major in Politics and Government Coolidge Otis Chapman Honors Scholar	Tacoma, WA

Peer-Reviewed Publications

Single or lead author unless otherwise noted

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28. (1) [co-lead with Manuela Fernández Pinto] Legitimizing Values in Regulatory Science, *Environmental Health Perspectives*, forthcoming
27. (2) [with Reid Simmons] The National Robotics Initiative: A Five-Year Retrospective, *IEEE Robotics and Automation Magazine*, forthcoming
26. (3) [with Carl Stahmer and MacKenzie Smith] Impacting Capabilities: A Conceptual Framework for the Social Value of Research, *Frontiers in Research Metrics and Analytics*, (28 August 2018).
25. (4) The Safety Argument for Autonomous Vehicles: Lessons from Philosophy of Science, *IEEE Technology and Society Magazine*, 37:1 (March 2018), 62-9
24. (5) Inductive Risk and Regulatory Toxicology: A Comment on de Melo-Martín and Intemann, *Philosophy of Science*, 85:1 (January 2018), 164-74
19. (6) Genetically Modified Crops, Inclusion, and Democracy, *Perspectives on Science*, 24:4 (July-August 2017), 488-520
16. (7) Bibliometrics for Social Validation, *PLOS One*, e0168597 (22 December, 2016)
15. (8) [with Thomas Stapleford] The Virtues of Scientific Practice: MacIntyre, Virtue Ethics, and the Historiography of Science, *Isis*, 107:3 (September 2016), 449-72
11. (9) Epistemological Depth in a GM Crops Controversy, *Studies in the History and Philosophy of Biology and Biomedical Sciences*, 50 (April 2015), 1-12
10. (10) [with John Milanese] The Logic Game: A Two-Player Game of Propositional Logic, *Teaching Philosophy*, 38:1 (March 2015), 77-93
09. (11) On Okin's Critique of Libertarianism, *Canadian Journal of Philosophy*, 45:1 (January 2015), 37-57
07. (12) A New Direction for Science and Values, *Synthese*, 191:14 (September 2014), 3271-95
02. (13) On the Ideal of Autonomous Science, *Philosophy of Science* 78:5 (December 2011), 1235-1248

01. (14) Is Longino's Conception of Objectivity Feminist?, *Hypatia* 26:2 (Spring 2011), 333-351

Other Scholarly Products

23. (1) [with Rick Morris and Evelyn Brister] The Computational History of Philosophy of Science Dataset, online at <https://doi.org/10.5281/zenodo.1400633>
22. (2) Review: Kevin Elliott and Ted Richards, eds., *Exploring Inductive Risk: Case Studies of Values in Science*, Oxford University Press, *British Journal for the Philosophy of Science* (June 2018)
21. (3) [with Kevin Elliott] A Framework for Understanding Wishful Thinking, online at <http://philsci-archive.pitt.edu/14348/>
20. (4) The Underproduction of Philosophy PhDs, *Daily Nous*, (December 2018), online at <http://dailynous.com/2017/12/18/underproduction-philosophy-phds-daniel-hicks/>
14. (5) [with Roberta Millstein] GMOs: Non-Health Issues, in P.B. Thompson and D.M. Kaplan, eds., *Encyclopedia of Food and Agricultural Ethics (Second Edition)*, online at http://link.springer.com/referenceworkentry/10.1007/978-94-007-6167-4_545-1
13. (6) Review: Mark A. Largent, *Vaccine: The Debate in Modern America*, Johns Hopkins University Press, 2012; Mark Navin, *Values and Vaccine Refusal: Hard Questions in Ethics, Epistemology, and Health Care*, Routledge, 2016, *Kennedy Institute of Ethics Journal*, 26:4 (December 2016), e10-e25
12. (7) CompImpact: Computational Tools for Assessing the Social Impact of CSS Research, online at <https://github.com/dhicks/comp-impact/blob/master/report.pdf>
08. (8) Review of Myles Jackson, *The Genealogy of a Gene: Patents, HIV/AIDS, and Race*, *Monash Review of Bioethics*, 34:1 (March 2015), 88-91
05. (9) The Two Dimensional Values Gap in the GMOF Controversy: An Extended Abstract, in Jean Goodwin, Michael Dahlstrom, and Susanna Priest, eds., *Ethical Issues in Science Communication: A Theory-Based Approach*, Proceedings of a Symposium at Iowa State University, May 30-June 1, 2013
04. (10) Review of Paul Pojman, ed., *Food Ethics* and David Kaplan, ed., *The Philosophy of Food, Agriculture and Human Values* 30:4 (2013), 657-8

Public and Cross-Disciplinary Talks and Publications

18. (1) Science, Policy, and Controversy: The Scylla of Scientism and the Charybdis of Alternative Facts
Invited public talk for Society for the Psychological Study of Social Issues, April 19, 2017
<https://www.youtube.com/watch?v=9m4qvTrHBK0>
- (2) Confronting Scientific Controversies: Do Facts Matter?
Invited public dialogue with science journalist Keith Kloor

Arizona State University DC Center, January 27, 2017

http://cspo.org/event/cs012717/?mc_cid=449413048c&mc_eid=c7495401c5

17. (3) Scientific Controversies as Proxy Politics
Popular essay, *Issues in Science and Technology*, Winter 2017
<http://issues.org/toc/33-2/>
- (4) The Myth of Science-Based Policy
Invited public lecture at Hofstra University, September 19, 2016
- (5) Panelist, “6S [Student Section] Career Development Panel,” Society for the Social Studies of Science [4S], 2015 Annual Meeting
- (6) The GMO Controversy: Health, Safety, ... and What Else?
Invited public talk for Humanist Association of London and Area, London, Ontario, April 8, 2015
- (7) Guest lecture on uncertainty and science policy for Prof. Dana Huebert-Lima, West Virginia University, BIOL 493W, Communicating Science to the Public, April 17, 2014
06. (8) Q&A: Why Are We Still Shouting about GMOs?
Interview with *ScienceNOW*, news blog of the journal *Science*, February 17, 2014
<http://news.sciencemag.org/scientific-community/2014/02/qa-why-are-we-still-shouting-about-gmos>
03. (9) If You Can't Beat 'Em, Eat 'Em!, *Edible Michiana*, Fall 2013, 10-11
Edible is a publisher of local food magazines; this was a commissioned piece on eating invasive species.
<http://onlinedigeditions.com/publication/?i=171787>
- (10) Local is Everywhere
Invited public talk for “Food Week” event, Saint Mary’s College, Notre Dame, Indiana, April 24, 2013

Grants, Fellowships, Competitive Awards, and Honors

2013, March	University of Notre Dame Teaching Beyond the Classroom Faculty Grant For four undergraduate students to attend the conference “Food Justice and Peace,” April 12-13, 2013, at Michigan State University	Notre Dame, IN
2012, July	North American Soc. for Social Phil. 29th International Social Philosophy Conference Best Graduate Student Paper “Rawls’s Rationalist Conception of Personhood”	Boston, MA
2012-2013	University of Notre Dame Arts and Letters Postdoctoral Fellowship	Notre Dame, IN

2011, Dec.	American Philosophical Association William James Prize “Rawls’s Rationalist Conception of Personhood”	
2011, April	University of Notre Dame Center for Social Concerns Course Development Grant “Are We Eating Good Food?”	Notre Dame, IN
2010-2011	University of Notre Dame Gender Studies Program Teaching Apprentice	Notre Dame, IN

Teaching Experience

2014, Winter	University of Western Ontario Ethics in Action	London, ON
2007-2013	Johns Hopkins Center for Talented Youth Logic: Principles of Reasoning Mathematical Logic Chaos and Fractals	Various locations
2013, Spring	University of Notre Dame Self and Society	Notre Dame, IN
2012-2013	University of Notre Dame Are We Eating Good Food? (4 sections over 3 semesters)	Notre Dame, IN
2011, Spring	Indiana University at South Bend Introduction to Philosophy	Mishawaka, IN
2011, Spring	University of Notre Dame Introduction to Gender Studies (co-instructor)	Notre Dame, IN
2009-2011	University of Notre Dame Introduction to Philosophy (4 sections total)	Notre Dame, IN
2006, Summer	Lake Michigan College Intermediate Algebra	Niles, MI
2005, Fall	Ivy Tech Community College College Algebra/Trigonometry	South Bend, IN

2005, Spring University of Illinois, Chicago Chicago, IL
Applied Linear Algebra

Service

Peer review Verified reviews are listed on my Publons profile:
<https://publons.com/author/459918/daniel-j-hicks>

2018-present Consortium for Socially Relevant Philosophy of/in Science and Engineering
Board member

2015-present PhilPapers
Assistant Editor, Science and Values

2014-present University of Texas at Dallas
Annual Values in Medicine, Science, and Technology Conferences
Program Committee (2014-2016, 2018-present)
Drafter, Statement of Aims, Values, and Norms
Ombud (2017-present)

2018 FEMMSS 7 Corvallis, OR
Ombud

2017 Showing Up for Racial Justice Washington, DC
Deep Canvassing Project
Co-Lead, Script Team
Co-Lead, Data and Analysis Team
Author, project theory of change

2013-2015 University of Western Ontario London, ON
Science, Policy, and Philosophy Working Group
Co-organizer

2012-2013 Purple Porch Co-op South Bend, IN
(A consumer-owned local food co-operative)
Secretary, Board of Directors
Chair, Membership Committee
Member, Community Relations Committee

2011, 2012 University of Notre Dame Notre Dame, IN
Department of Philosophy
New T.A. Training Workshop
Mentor

2012 University of Notre Dame Notre Dame, IN
Ethics Training Workshop for New Graduate Students
Facilitator

Scholarly Presentations and Talks

Preceding 5 years only

* Invited talks

2018, Nov. Philosophy of Science Association Seattle, WA
2018 Biennial Meeting
Session co-organizer, “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”

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

2018, June AAAS Pacific Division Pasadena, CA
2018 Annual Meeting
“Weaponized Virtues and Deregulatory ‘Anti-Science’”

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

2018, May University of Texas at Dallas Richardson, TX
2018 Conference on Values in Medicine, Science, and Technology
“The Triple Movement of Research Metrics”

2018, April* University of Notre Dame South Bend, IN
Science, Technology, and the Good Life
“Toleration, Dangerous Research, and the Goods of Scientific Conflict”

2017, May University of Texas at Dallas Richardson, TX
2017 Conference on Values in Medicine, Science, and Technology
“The Safety Argument for Autonomous Vehicles”

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- 2017, Feb.* University of Florida Gainesville, FL
 “Explainable Artificial Intelligence: A Coupled
 Epistemic-Ethical Analysis”
- 2016, Nov. Philosophy of Science Association Atlanta, GA
 2016 Biennial Meeting
 Session organizer, “Science, Values, and Wishful Thinking”
 Presentation with Kevin Elliott: “Political Dimensions of
 Wishful Thinking”
- 2016, Oct. University of Notre Dame South Bend, IN
 Association for Feminist Epistemologies, Methodologies,
 Metaphysics, and Science Studies
 FEMMSS6
 With Catherine Womack: “Does this study make me look
 fat? A critical examination of BMI categories, research, and
 public perception of weight”
- 2016, June Iowa State University Ames, IA
 Fifth Summer Symposium on Science Communication
 “Democracy, Inclusion, and Bad Actors”
- 2016, May University of Texas at Dallas Richardson, TX
 Consortium for Social Relevant Philosophy of/in Science
 and Engineering
 Third Annual Conference
 Workshop organizer, “Consultant, Clinician, Wonk,
 Philosopher: Non-Academic Careers for Philosophers”
 Individual presentation: “The Philosopher Bureaucrat’s
 Dilemma”
- 2016, Feb.* Kennedy Institute of Ethics Washington, DC
 “Genetically Modified Crops, Inclusion, and Democracy”
- 2015, July International Society for the History, Montréal, QC
 Philosophy, and Social Studies of Biology
 2015 Meeting
 “Feeding the World: Epistemically Significant Decisions in
 Statistical Modeling”
- 2015, June Society for Philosophy of Science in Practice Aarhus, DK
 Fifth Biennial Conference
 Symposium: Practising Philosophy of Science in the Public
 Interest
 “A Satanic Mill for Science?”

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- 2015, May University of Texas at Dallas Richardson, TX
 2015 Conference on Values in Medicine, Science, and
 Technology
 “Communicative Democracy and the GM Crops
 Controversy”
- 2015, May Michigan State University East Lansing, MI
 Third Annual Workshop on Food Justice and Peace
 “Communicative Democracy and the GM Crops
 Controversy”
- 2015, May Algorithms and Complexity in Mathematics, London, ON
 Epistemology and Science
 “Statistical Practice as Model-Based Science”
- 2015, Apr.* APA Pacific Division Meeting Vancouver, BC
 Commentator, “In Defense of Longino’s Critical
 Constructive Empiricism”
- 2015, Feb.* Providence College Providence, RI
 “The Epistemological Depth of a GM Crops Controversy”
- 2015, Jan.* California State University, Northridge Northridge, CA
 “The Epistemological Depth of a GM Crops Controversy”
- 2014, Nov. History of Science Society Chicago, IL
 2014 Annual Meeting
 “Practices as a Framework for History and Social Science”
- 2014, Nov. Philosophy of Science Association Chicago, IL
 2014 Biennial Meeting
 “Genetically Modified Crops and the Underdetermination of
 Evidence by Epistemology”
- 2014, Nov. Philosophy of Science Association Chicago, IL
 2014 Biennial Meeting
 Joint Caucus for Socially Engaged History and Philosophy
 of Science
 Reception Event Table: “Library Talks”
- 2014, Aug. Canadian Society for Women in Philosophy Waterloo, ON
 Science, Technology, and Gender: Challenges and
 Opportunities
 “Do GMOs Increase Crop Yields? It Depends Who You
 Trust”

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- 2014, July 18 North American Society for Social Phil. Ashland, OR
31st International Social Philosophy Conference
“Depoliticization and Genetically Modified Foods”
- 2014, June 10 University of Waterloo Waterloo, ON
Socially Relevant Philosophy of/in Science and Engineering
First Annual Conference
“Do GMOs Increase Crop Yields? It Depends Who You
Trust”
Session Organizer, “Questioning the Neutrality of Science
for Policy”
- 2014, June 6-7 Iowa State University Ames, IA
Fourth Summer Symposium on Science Communication
“Do GMOs Increase Crop Yields? It Depends Who You
Trust”
- 2014, May 26 Canadian Philosophical Association St. Catharines, ON
Annual Congress 2014
“Dual-Use Research and the Scientific Community”
- 2014, May 22 University of Texas at Dallas Richardson, TX
Science-Policy Interactions Conference
“Do GMOs Increase Crop Yields? It Depends Who You
Trust”
- 2014, Feb. 16 Am. Ass’n for the Advancement of Science Chicago, IL
2014 Annual Meeting
General Poster Session
“Why is the GMO Debate so Intractable?”