

## Matthew J. Brown

Center for Values in Medicine, Science, and Technology  
The University of Texas at Dallas  
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### Educational History

**University of California, San Diego** 2003–2009

**Ph.D. in Philosophy**, June 2009

M.A. in Philosophy, June 2006

**Georgia Institute of Technology** 1999–2003

B.S. from School of Physics with Minor in Cognitive Science, May 2003

### Employment History

**The University of Texas at Dallas**

**Associate Professor of Philosophy** (tenured), School of Arts & Humanities, 2015–present

**Director, Center for Values in Medicine, Science, and Technology**, 2011–present

Affiliate Faculty, School of Behavioral and Brain Sciences, 2011–present

Affiliate Faculty, Arts & Technology / Emerging Media & Communication, 2011–present

Assistant Professor of Philosophy, School of Arts & Humanities, 2009–2015

**University of California, San Diego**

Instructor, Department of Philosophy, Summer & Fall 2008

### Research and Teaching Areas

**My areas of research focus** are values in science / science & politics and pragmatism / American philosophy. I also have a research background and interest in philosophy of psychology / cognitive science and philosophy of physics.

**My teaching interests** also include Epistemology, Social and Political Philosophy, Feminist Philosophy, Ethics of Science and Technology, Logic.

### Research Grants and Fellowships

\$299,969	<i>Engineering Ethics as an Expert Guided and Socially Situated Activity</i> funded by the National Science Foundation, 2013–2016 Co-PIs: Nicholas Gans, Magdalena Grohman
\$15,200	<i>Values in Science: Inquiry, Choice, &amp; Responsibility</i> , Visiting Fellowship at the Center for Philosophy of Science at the University of Pittsburgh, 2016–2017
N/A	<i>Values in Science: Inquiry, Choice, &amp; Responsibility</i> , Special Faculty Development Assignment, UT Dallas, release from teaching at 75% salary, 2016–2016

## Publications by Topic\*

### Science and Values, Politics of Science, Science and Society

- Matthew J. Brown and Joyce C. Havstad. “The Disconnect Problem, Scientific Authority, and Climate Policy.” *Perspectives on Science* 25, forthcoming 2017
- “Love Slaves and Wonder Women: Radical Feminism and Social Reform in the Psychology of William Moulton Marston.” *Feminist Philosophy Quarterly* 2(1), forthcoming 2016
- “Values in Science beyond Underdetermination and Inductive Risk.” *Philosophy of Science* 80(5):829–839, 2013
- “The Democratic Control of the Scientific Control of Democracy.” In *EPSA11 Perspectives and Foundational Problems in Philosophy of Science*, edited by Dennis Dieks and Vassilios Karakostas, pp. 479–92. Dordrecht: Springer, 2013
- “The Source and Status of Values in Socially Responsible Science.” *Philosophical Studies* 163(1):67–76, 2013
- “Science, Values, and Democracy in the Global Climate Change Debate.” In *Philosophical Pragmatism and International Relations: Essays for a Bold New World*, edited by Shane J. Ralston. Lanham, MD: Lexington Books, 2013
- “Genuine Problems and the Significance of Science.” *Contemporary Pragmatism* 7(2):131–153, 2010
- Matthew J. Brown and Joyce C. Havstad. “Inductive Risk, Deferred Decisions, and Climate Science Advising.” In *Edited collection on Inductive Risk and Values in Science*. Under review
- Matthew J. Brown and Joyce C. Havstad. “Policy-Relevance, Neutrality, and the IPCC.” *Special issue on Inductive Risk and Values in Science* Under review

### Pragmatism, American Philosophy, History of Philosophy of Science

- “The abundant world: Paul Feyerabend’s metaphysics of science.” *Reappraising Feyerabend*, Special issue of *Studies in History and Philosophy of Science A* 57:142–154, 2016
- Matthew J. Brown and Ian James Kidd. “Introduction: Reappraising Paul Feyerabend.” *Reappraising Feyerabend*, Special issue of *Studies in History and Philosophy of Science A* 57:1–8, 2016
- Matthew J. Brown and Ian James Kidd (eds.). *Reappraising Feyerabend*, vol. 57, Special Issue of *Studies in History and Philosophy of Science A*. 2016. Contributors include Matteo Collodel, Stefano Gattei, Ron Giere, Helmut Heit, Martin Kusch, Gonzalo Munévar, Eric Oberheim, John Preston, Daniel Kuby, Eric Martin, Lisa Heller, and Helene Sorgner; includes previously untranslated work by Feyerabend
- “John Dewey’s Pragmatist Alternative to the Belief-Acceptance Dichotomy.” *Studies in History and Philosophy of Science A* 53:62–70, 2015
- “The Functional Complexity of Scientific Evidence.” *Metaphilosophy* 46(1):65–83, 2015
- “John Dewey’s Logic of Science.” *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 2(2):258–306, 2012
- “Models and perspectives on stage: remarks on Giere’s Scientific perspectivism.” *Studies In History and Philosophy of Science Part A* 40(2):213–220, 2009 [with response by Giere pp. 221-3]

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\*Some publications cross categories, but each appears only once on this list. See abstracts and download articles at <http://matthewjbrown.net/research/publications/>.

## Cognitive Science

- Eun Ah Lee, Nicholas Gans, Magdalena Grohman, Marco Tacca, and Matthew J. Brown. “Exploring Implicit Understanding of Engineering Ethics in Student Teams.” In *Proceedings of the 122nd American Society for Engineering Education Conference & Exposition*. 2015
- “A Critical Appreciation of Ronald N. Giere’s ‘Distributed Cognition without Distributed Knowing’.” *Social Epistemology Review and Reply Collective* 4(6):45–51, 2015
- “Science as Socially Distributed Cognition: Bridging Philosophy and Sociology of Science.” In *Foundations of the Formal Sciences VII: Bringing together Philosophy and Sociology of Science*, edited by Karen François, Benedikt Löwe, Thomas Müller, and Bart van Kerkhove, vol. 32 of *Studies in Logic*. London: College Publications, 2011

## Philosophy of Physics

- “Quantum Frames.” *Studies in History and Philosophy of Modern Physics* 45:1–10, 2014
- “Relational Quantum Mechanics and the Determinacy Problem.” *The British Journal for the Philosophy of Science* 60(4):679, 2009

## Book Reviews

- Matthew J. Brown, Erik Jensen, Nathan King, and Jeremy Prince. “Review: *The Cambridge Companion to Dewey*, ed. Molly Cochran.” *Mind, Culture, and Activity* 21(2):175–178, 2014
- “Review: John Wright’s *Explaining Science’s Success: Understanding How Scientific Knowledge Works*.” *Notre Dame Philosophical Reviews* 20 August, 2013
- “Review: Philip Kitcher, *Science in a Democratic Society*.” *Notre Dame Philosophical Reviews* 7 March, 2012
- “Review: *A Companion to Pragmatism*, ed. John R. Shook and Joseph Margolis.” *The Pluralist* 6(2):101–103, 2011
- “Review of Mark B. Brown’s *Science in Democracy: Expertise, Institutions, and Representation*.” *Isis* 101(3):686–687, 2010
- “Good News from Analytic Philosophy! Review of *Anti-Individualism* by Sanford Goldberg.” *Mind, Culture, and Activity* 17(3):293–294, 2010
- “On What Quine Is, Review of *The Cambridge Companion to Quine*, ed. Roger F. Gibson, Jr.” *Mind, Culture, and Activity* 13(4):339–343, 2006

## Academic Talks & Presentations

**“It’s Up to the Managers”: The Deferral of Responsibility in Engineers’ Discussion of Ethics** (with Kenneth Huynh, Eun Ah Lee, Magda Grohman, Marco Tacca, & Nicholas Gans)

19-22 May 2016 | *Socially Relevant Philosophy of/in Science and Engineering / Values in Medicine, Science, and Technology Conference*, The University of Texas at Dallas

**Cognitive Ethnography of Engineering Ethics** (with Eun Ah Lee, Magda Grohman, & Nicholas Gans)

13-14 May 2016 | *IEEE ETHICS Symposium*, Vancouver, BC, Canada

**John Dewey on Values in Science: Four Theses**

25-27 April 2016 | *Science and Values in Peirce and Dewey*, University of Waterloo

### **John Dewey was First and Foremost a Philosophy of Science**

30 Mar-3 Apr 2016 | *American Philosophical Association (Pacific Division)*, San Francisco, CA

3-5 March 2016 | *Society for the Advancement of American Philosophy*, Portland, OR

### **Values in Science: Against Epistemic Priority**

5 February 2016 | Michigan State University

### **Values in Science: Pragmatism and the Problem of Wishful Thinking**

27-28 March 2015 | *Socially Relevant Philosophy of/in Science and Engineering*, Detroit, MI

### **Exploring Implicit Understanding of Engineering Ethics in Student Teams** (with Eun Ah Lee, Magda Grohman, Nicholas Gans, & Marco Tacca)

14-17 June 2015 | *American Society for Engineering Education* - Seattle, WA

27-28 March 2015 | *Socially Relevant Philosophy of/in Science and Engineering*, Detroit, MI

### **The Disconnect Problem in Science and Policy** (with Joyce C. Havstad)

6-9 November 2014 | *Philosophy of Science Association* - Chicago, IL

### **Fluid Movements between Science and Art: The Works of William Moulton Marston**

11 October 2014 | *Society for Literature, Science, and the Arts*, Dallas, TX

### **Science-Based Policy as Interdisciplinary Inquiry** (with Joyce C. Havstad)

10-13 August 2014 | *Science, Technology, and Gender: Challenges and Opportunities* - FEMMSS / C-SWIP - University of Waterloo

### **Policy-Relevant and yet Policy-Neutral? Tensions in the IPCC's Self-Understanding** (with Joyce C. Havstad)

9-12 June 2014 | *Socially Relevant Philosophy of/in Science and Engineering - Communities of Integration* - Kitchener, ON, Canada

### **Radical Feminism and Social Reform in the Psychology of W.M. Marston**

26 April 2013 | Colloquium, Department of the History of Science - The University of Oklahoma (invited)

31 October 2010 | *Society for Literature, Science, and the Arts*, Indianapolis, IN

15 July 2010 | UT-Arlington Summer Seminar on *Mind, Cognition, and Neuroethics* (invited)

9 April 2010 | *North Texas Philosophical Association*, University of North Texas

### **Engineering Ethics as a Socially Situated and Expert Guided Activity** (w/ Eun Ah Lee, Magda Grohman, Nicholas Gans, & Marco Tacca)

21 May 2014 | *Values in Medicine, Science, and Technology Conference* - The University of Texas at Dallas (self-organized)

16 April 2014 | *Distributed Cognition and Human-Computer Interaction Laboratory* - University of California, San Diego (invited)

### **John Dewey, the Attitude of Judgment, and Values in Science**

6-7 June 2013 | *Cognitive Attitudes and Values in Science* - Notre Dame University (invited)

### **The Unity of Science and Politics: Themes from Dewey and Neurath**

20-23 February 2013 | Symposium on *Philosophy of Science and Political Engagement* - Central APA, New Orleans, LA (invited)

### **Values in Science beyond Underdetermination and Inductive Risk**

15-17 November 2012 | *Philosophy of Science Association*, San Diego, CA

13 June 2012 | *Social Relevance of Philosophy of Science* - Zentrum für interdisziplinäre Forschung (Center for Interdisciplinary Research), Bielefeld University (invited)

10 February 2012 | Colloquium, University of Texas at Arlington Philosophy Department (invited)

### **Science and Democracy in a Precarious World**

28 September 2012 | *Feyerabend 2012* - Humboldt-Universität zu Berlin (invited)

### **The Source and Status of Values in Socially Responsible Science**

6 April 2012 | Author Meets Critics Session on Janet Kourany's *Philosophy of Science After Feminism* - American Philosophical Association (Pacific Division) (invited)

### **Quine is Not a (Deweyan) Pragmatist**

31 March 2012 | *Pragmatism in the Philosophy of Science Conference* - University of San Francisco (invited)

### **The Democratic Control of the Scientific Control of Politics**

5 October 2011 | *European Philosophy of Science Association*, Athens, Greece

27 May 2011 | *Society for Philosophy and Technology Conference*, Denton, TX.

3 April 2011 | Three Rivers Philosophy Conference on *Science, Knowledge, and Democracy*, University of South Carolina

### **From the Experimenter's Regress to Evidence-Based Policy: The Functional Complexity of Scientific Evidence**

17 October 2010 | *Philosophy of Scientific Experimentation: A Challenge to Philosophy of Science* - Center for Philosophy of Science at University of Pittsburgh

### **A Centennial Retrospective of John Dewey's "The Influence of Darwinism on Philosophy"**

20-22 November 2009 | *150 Years of Evolution: Darwin's Impact on the Humanities and the Social Sciences* - San Diego State University

### **Dewey on Science**

22-24 October 2009 | *John Dewey's 150th Birthday Celebration: An International Conference on Dewey's Impact on America and the World* - The Center for Inquiry, Amherst, NY

### **Genuine Problems and the Significance of Science**

19 June 2009 | Northeast Pragmatism Group Conference on *Pragmatism & Science* - Center for Inquiry, Amherst, NY

6 November 2008 | Symposium: *Pragmatism at the Interface of Science and Politics* - *Philosophy of Science Association*, Pittsburgh, PA

### **Construction and Realism in John Dewey's Philosophy of Science**

18 April 2009 | - UCSD Philosophy Graduate Symposium on the work of Peter Godfrey-Smith

### **Evidence in John Dewey's Theory of Inquiry**

8-12 April 2009 | *American Philosophical Association - Pacific Division, Society for the Advancement of American Philosophy* Graduate Session

### **Science as Socially Distributed Cognition: Bridging Philosophy and the Sociology of Science**

22 October 2008 | *Foundations of the Formal Sciences VII: Bringing together Philosophy and Sociology of Science*, Vrije Universiteit Brussel

### **Inquiry, Evidence, and Experiment: The 'Experimenters' Regress' Dissolved**

12 October 2008 | CU Boulder *Regional Conference on the History and Philosophy of Science*

### **Relational Quantum Mechanics and the Determinacy Problem**

7 June 2007 | *Oxford Philosophy of Physics Workgroup*

30 March 2007 | *UK/Europe Foundation of Physics Conference* - Leeds University

30 September 2006 | *Southern California Philosophy of Physics Workgroup* - UC Irvine

26 January 2005 | UCSD All-Grad Research Symposium

### **Models and Perspectives on Stage: Remarks on Giere's *Scientific Perspectivism***

18 April 2007 | Zentrale Einrichtung für Wissenschaftsphilosophie und Wissenschaftsethik (Center for Philosophy and Ethics of Science) Seminar, Leibniz Universität Hannover

### **Elements of a Pragmatist Theory of Social Inquiry**

16 March 2007 | Brennan Graduate Student Conference on Social Inquiry in memory of Hans Seigfried, Loyola University Chicago

### **Public Engagement Efforts**

1 October 2015 | Expanding the Circle of Research Ethics - Baylor Undergraduate Research in Science and Technology (BURST)

19 June 2015 | The Origins and History of *Wonder Woman* - The Dallas Museum of Art

28 May 2015 | Scientific Citizenship: Responsibilities to Colleagues and the Community - Responsible Conduct of Research seminar series, UT Dallas

25 March 2015 | Radical Feminism and Social Reform in the Psychology of W.M. Marston - *Sexing Science, Gendering Technology: Rethinking Sex and Gender in Science, Technology and Medicine* lecture series, the Center for Values in Medicine, Science, and Technology, the University of Texas at Dallas (self-organized)

13 February 2015 | The Interplay of Science and Values - Metroplex Breakfast Dialogues, Richardson, TX

26 July 2014 | Radical Feminism and Social Reform in the Psychology of W.M. Marston - *Comics Arts Conference*, San Diego, CA

17 July 2014	The Relationship Between Science and Human Values - The Collegiate Peaks Forum Series - Buena Vista, CO
20 June 2014	The Interplay of Science and Values - Perot Museum of Nature and Science, Dallas, TX
23 February 2012	Science, Ethics, and Democracy - UTD Center for BrainHealth
3 November 2011	Medical Ethics and <i>The Immortal Life of Henrietta Lacks</i> - Mountain View College
27 September 2011	Wonder Woman as Psychological Technology - UTD Technology on Tap - Trinity Hall Irish Pub, Dallas
19 June 2011	Wonder Woman and Science - Fellowship of Freethought, Dallas
27 November 2010	Science, Values, and Democracy - North Texas Mensa Regional Gathering
17 May 2010	Values in Medicine, Science, and Technology - Richardson Rotary Club
23 April 2010	The Philosophy of Secular Humanism - Athiests, Skeptics, and Humanists Club at UT Dallas
25 July 2009	Wonder Woman: William Moulton Marston's Psychological Technology - <i>Comic Arts Conference</i> , San Diego, CA
published 2007	"Picky Eating is a Moral Failing." In <i>Food &amp; Philosophy: Eat, Think, and Be Merry</i> , edited by Fritz Allhoff and Dave Monroe. Blackwell, 2007

## Teaching

### The University of Texas at Dallas (2009–present)

<b>Graduate Courses</b>	History and Philosophy of Science American Pragmatism Science, Values, and Democracy Science, Technology, & Values Gender, Science, and Technology John Dewey and American Philosophy Bioethics & Human Enhancement Creativity in Science and Technology Cognitive Ethnography Cognition, Culture, and Communication Comics Studies
<b>Undergraduate</b>	Philosophy of Technology History and Philosophy of Science Science, Technology, & Values Gender, Science, and Technology Science and Popular Culture Introduction to Philosophy Bioethics & the Human Cyborg

### University of California, San Diego (2008)

<b>Instructor</b>	Logic and Decision-Making (Scientific Reasoning) Existentialism
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## Professional Memberships and Affiliations

- Philosophy of Science Association 2008-Present
- American Philosophical Association 2008-Present
- Society for the Advancement of American Philosophy 2010-Present
- Consortium for Socially Relevant Philosophy of/in Science and Engineering, 2014-Present
- International Society for the History of Philosophy of Science, 2012-present
- North Texas Philosophical Association 2010-2011
- Society for Literature, Science, and the Arts 2010-Present
- Cognitive Science Society 2012-present
- Center for Values in Medicine, Science, and Technology, UT Dallas, 2009-present
- Feminist Research Collective, UT Dallas, 2014-present
- Laboratory of Comparative Human Cognition at UCSD 2004-2009
- Distributed Cognition - HCI Lab at UCSD 2007-2009

## Professional and Community Service

- Referee: MIT Press (Philosophy and Cognitive Science Books), Routledge, *Philosophy of Science*, *British Journal for Philosophy of Science*, *Synthese*, *European Journal for Philosophy of Science*, *Journal for General Philosophy of Science*, *Studies in History and Philosophy of Science Part A*, *HOPOS: The Journal of the International Society for the History of Philosophy of Science*, *THEORIA*, *Social Epistemology*, *Philosophical Psychology*, *ACM Computing Surveys*, *Philosophica*, *Spontaneous Generations*, American Philosophical Association (Pacific Division meeting), Canadian Philosophical Association Congress
- Area Editor, *Science and Values*, PhilPapers, 2012-present
- Conference Organizer, Values in Medicine, Science, & Technology Conference, 2010-present
- Conference Organizer, Comics and Popular Arts Conference in Atlanta, Georgia, 2008-Present
- Representative on the UT Dallas Academic Council, 2015-2016
- Representative on the UT Dallas Faculty Senate, 2013-2016
- Curriculum Task Force, School of Arts and Humanities, UT Dallas, 2016
- Committee on Committees, UT Dallas, 2015-2017
- Budget Committee, UT Dallas, 2015-2016
- Institutional Animal Care and Use Committee, UT Dallas, 2014-2016
- Committee on Learning Management Systems, UT Dallas, 2010, 2012-2014
- Faculty Sponsor, Graduate Student Association, School of Arts and Humanities, UT Dallas 2010-2011
- Member-at-Large, North Texas Philosophical Association 2010-2011
- Destination Imagination Team Manager 2010-2013
- Graduate Student Referee, *Science, Technology, and Human Values* 2007-2008
- UCSD Graduate Life Steering Committee, 2008-2009
- Graduate Student Representative, UCSD Search Committee for Dean of Arts and Humanities, 2008
- Organizing Committee, UCSD Philosophy Graduate Symposium 2008-2009
- Department Representative, UCSD Graduate Student Association, 2008-2009
- Representative-Alternate, UCSD Graduate Student Association, 2007-2008