

# Douglas M. Jesseph

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Dept. of Philosophy  
University of South Florida  
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## EDUCATION:

Ph.D. (Philosophy) Princeton University, 1987  
Dissertation: "Berkeley's Philosophy of Mathematics"  
Advisor: Prof. Margaret D. Wilson  
B.A. (Mathematics and Philosophy) Macalester College, 1981

## HONORS, AWARDS, AND GRANTS:

Professeur Invité, Université de Paris VII (Diderot) Spring 2015.  
Alumni Outstanding Teacher Award, North Carolina State University, April, 2006.  
The journal *Choice* recognized *Squaring the Circle: The War between Hobbes and Wallis* as one of the outstanding academic books of the year 2000 (December, 2000).  
NSF Scholars Award in Science and Technology Studies (1999-2002) three years of full support, for editing Hobbes's mathematical works for the *Clarendon Edition of the Works of Thomas Hobbes*.  
NEH Fellowship for College Teachers, (1996-97) to support the completion of a book on the Hobbes-Wallis controversy.  
NCSU College of Humanities and Social Sciences Summer Stipend (1994) to support writing of two chapters of a book on the Hobbes-Wallis controversy.  
NCSU College of Humanities and Social Sciences Research Fund Grant (1993-4) to support archival research on the Hobbes-Wallis controversy.  
National Humanities Center Fellowship (1993-4) to support writing of a book on the Hobbes-Wallis controversy.  
NCSU College of Humanities and Social Sciences Research Fund Grant (1992-3) to support research on the Hobbes-Wallis controversy.  
NEH Summer Stipend (1991) to support manuscript research at the British Library and Chatsworth House on the Hobbes-Wallis controversy.  
NEH Travel to Sources Grant (1989) to support manuscript research on Berkeley's *Principles of Human Knowledge* at the British Library.  
Whiting Fellowship (1985-6) to support writing of Ph.D. dissertation.  
Fulbright Grant (1981-2) to support research in Germany on Frege's conception of the real numbers under the supervision of Prof. Christian Thiel.

## ACADEMIC EMPLOYMENT:

Professor, University of South Florida, Tampa, FL, 2008-  
Professor, North Carolina State University, Raleigh, NC, 2001-2008  
Associate Professor, North Carolina State University, Raleigh, NC, 1995-2001  
Assistant Professor, North Carolina State University, Raleigh, NC 1991-95  
Visiting Assistant Professor, University of Chicago, Chicago, IL 1991-92  
Assistant Professor, Illinois Institute of Technology, Chicago, IL 1988-91  
Visiting Assistant Professor, Franklin & Marshall College, Lancaster, PA, 1987-88  
Visiting Assistant Professor, Virginia Tech, Blacksburg, VA, 1986-87

**PUBLICATIONS:****BOOKS:**

- Infinitesimal Differences: Controversies Between Leibniz and his Contemporaries.* (ed. with Ursula Goldenbaum). Berlin: Walter de Gruyter, 2008.
- Historical Dictionary of Descartes and Cartesian Philosophy* with Roger Ariew, Tad Schmaltz, Dennis Des Chene, and Theo Verbeek Scarecrow Press, 2003.
- Squaring the Circle: The War between Hobbes and Wallis Science and its Conceptual Foundations Series.* Chicago: University of Chicago Press, 1999.
- Berkeley's Philosophy of Mathematics.* Science and its Conceptual Foundations Series. Chicago: University of Chicago Press, 1993.

**EDITIONS AND TRANSLATIONS:**

- “*De Motu*” and “*The Analyst*”: *A Modern Edition, with Introductions and Commentary.* The New Synthese Historical Library, vol. 41. Dordrecht, Boston, and London: Kluwer Academic Publishers, 1992.

**JOURNAL ISSUES EDITED:**

- Hobbes Studies*, vol. 30, issue 1. Special issue on Hobbes’s *De Corpore*.

**ARTICLES:**

- “Geometry Religion, and Politics: Context and Consequences of the Hobbes-Wallis Dispute,” forthcoming in *Notes and Records of the Royal Society* 72 (2018), 469-486.
- “Optics, First Philosophy, and Natural Philosophy in Hobbes and Descartes,” forthcoming in *The Oxford Handbook of Descartes and Cartesianism*, ed. Steven Nadler and Delphine Antoine-Mahut. Oxford University Press.
- “The Indivisibles of the Continuum: Seventeenth-Century Adventures in Infinitesimal Mathematics,” forthcoming in *The History of Continuity*, ed. Geoffrey Hellmann. Oxford University Press.
- “Hobbes and the Syllogism,” in *The Aftermath of Syllogism: Aristotelian Logical Argument from Avicenna to Hegel*, ed. Marco Sgarbi and Matteo Cosci. London: Bloomsbury Publishing, 2018, 67-82.
- “Hobbes on the Ratios of Motions and Magnitudes: The Central Task of *De Corpore*, Part III. *Hobbes Studies* 30 (2017) 59-82.
- “The Principle of Continuity: Origins, Applications, and Limitations” in Wenchao Li, et al., eds., *Für Unser Glück oder das Glück Anderer: Vorträge des X. Internationalen Leibniz-Kongresses*, (Hildesheim and New York: Georg Olms Verlag, 2016) 3: 481-89.
- “Hobbes on *conatus*: A Study in the Foundations of Hobbesian Philosophy” *Hobbes Studies* 29 (2016): 66-85.
- “Leibniz on the Elimination of Infinitesimals: Strategies for finding Truth in Fiction,” in *G. W. Leibniz: Interrelations between Mathematics and Philosophy*, ed. David Rabouin, Philip Beeley, and Norma Goethe. (Berlin: Springer, 2015), pp. 189-206.
- “Hobbes’s Theory of Space” in *Mathematizing Space: The Objects of Geometry from Antiquity to the Early Modern Age*, ed. Vincenzo Di Risi (Berlin: Birkhäuser, 2015), 193-208.
- “The Rise of the ‘Mechanical Philosophy’: Essay Review of Daniel Garber and Sophie Roux, *The Mechanization of Natural Philosophy*,” *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 4 (2014): 351-357.
- “Newton and Berkeley,” *The Oxford Handbook of Newton*, ed. Eric Schliesser and Chris Smeenk. Oxford, Oxford University Press. (2018)
- “Ratios, Quotients, and the Language of Nature,” forthcoming in a volume of *Minnesota Studies in the Philosophy of Science* devoted to the topic “The Language of Nature,” ed. Ed Slowik and Geoff Gorham.

## PUBLICATIONS (CONT.):

### ARTICLES:

- “Hobbes on the Foundations of Natural Philosophy,” *The Oxford Handbook of Hobbes*, ed. Al Martinich and Kinch Hoekstra. Oxford University Press (2015), 232-145.
- “Descartes’ Geometry” *Cambridge Descartes Lexicon*, ed. Lawrence Nolan. Cambridge University Press, 319-329.
- “Leibnizian Mathematics,” *A Companion to Leibniz*, ed. Brandon C. Look. London: Continuum Press, (2012) 275-286.
- “Machines, Mechanism, and the Development of Mechanics: Contemporary Understandings” *Perspectives on Science* 18 (2009): 98-112.
- “The ‘Merely Mechanical’ vs. the ‘Scab of Symbols’: Seventeenth Century Debates over the Criteria for Mathematical Rigor,” *Philosophical Aspects of Symbolic Reasoning in Early Modern Mathematics*, ed. Albrecht Heeffer and Mararten Van Dyck. Special Issue of *Studies in Logic*
- “Logic and Demonstrative Knowledge” *Oxford Handbook of British Philosophy in the Seventeenth Century*, ed. Peter Anstey. Oxford University Press (2014) Ch. 15, 373-392.
- “Scientia in Hobbes,” in *Scientia in Early Modern Philosophy*, edited by Tom Sorrel, G. A. J Rogers, and Jill Kraye, Heidelberg and New York: Springer Verlag, 117-128.
- “Truth in Fiction: Origins and Consequences of Leibniz’s Doctrine of Infinitesimal Magnitudes” in *Infinitesimal Differences: Controversies between Leibniz and his Contemporaries*, edited by Ursula Goldenbaum and Douglas Jesseph, Berlin and New York: De Gruyter, 2008, 215-233.
- “Descartes, Pascal, and the Epistemology of Mathematics: The Case of the Cycloid,” *Perspectives on Science* 15 (2007): 410-433.
- “Faith and Fluxions: Berkeley on Theology and Mathematics” in *New Interpretations of Berkeley’s Thought*, ed. Steve Daniel. Journal of the History of Philosophy Book Series, New York: Prometheus Books/Humanity Press, 2007, 247-260.
- “Hobbesian Mechanics” *Oxford Studies in Early Modern Philosophy* 3 (2006): 119 – 152.
- “Galileo, Hobbes, and the Book of Nature,” *Perspectives on Science* 12 (2004): 191 – 211.
- “Berkeley, God, and Explanation,” *Early Modern Philosophy Mind, Matter, Metaphysics*, edited by Eileen O’Neill and Christia Mercer. Oxford and New York: Oxford University Press, 183-205.
- “Berkeley’s Analyst,” Chapter 8 of *Landmark writings in Western mathematics, 1640-1940*, edited by Ivor Grattan-Guinness. Leyden, Elsevier: 2005, 121 – 131.
- “Mechanism, Skepticism, and Witchcraft: More and Glanvill on the Failures of Cartesian Philosophy,” *Receptions of Descartes: Cartesianism and Anti-Cartesianism in Early Modern Europe*, edited by Tad Schmaltz. London, Routledge, 199 – 217...
- “Hobbes’s Atheism.” *Midwest Studies in Philosophy* 26, (2002), ed. Peter French, pp. 140-166.
- “Leibniz, Bramhall, and Hobbes on Free Will and Divine Justice.” in H. Poser and E. Knobloch ed. *Nihil Sine Ratione: Mensch, Natur und Technik im Wirken von G. W. Leibniz* (2001), 565-572.
- “Descartes and Hobbes on Metaphysics, Physics, and the Possibility of Theology,” *Il Seicento e Descartes: dibattiti cartesiani*, ed. Antonella Del Prete. Florence, Italy: Le Monnier Università, 2003, 121-137.
- “The Decline and Fall of Hobbesian Geometry,” *Studies in History and Philosophy of Science*. 30 (1999): 425-453.:
- “Leibniz and the Foundations of the Calculus: The Question of the Reality of Infinitesimal Magnitudes,” *Perspectives on Science* 6 (1998): 6-40.
- “Berkeley and the Philosophy of Mathematics,” *Cambridge Companion to Berkeley*. Ed. Kenneth P. Winkler. Cambridge University Press, 266-310.
- “Hobbes and the Method of Natural Science,” *Cambridge Companion to Hobbes*. Ed. Tom Sorell. Cambridge University Press: 1995, 86-107.
- “Hobbes and Mathematical Method,” *Perspectives on Science* 1 (1993): 306-341.
- “Of Analytics and Indivisibles: Hobbes on the Methods of Modern Mathematics,” *Revue d’Histoire des Sciences* 46 (1993): 153-194.

**PUBLICATIONS (CONT.):****ARTICLES:**

- “The ‘Hard Program’ in the Sociology of Scientific Knowledge: A Manifesto,” (with Warren Schmaus and Ullica Segerstralle) *Social Epistemology* 6 (1992): 243-265.
- “Berkeley’s Philosophy of Geometry,” *Archiv für Geschichte der Philosophie* 72 (1990): 301-332.
- “Rigorous Proof and the History of Mathematics: Comments on Crowe,” *Synthese* 83 (1990): 449-453.
- “Philosophical Theory and Mathematical Practice in the Seventeenth Century,” *Studies in History and Philosophy of Science* 20 (1989): 215-244.

**REVIEWS AND MINOR PIECES:**

- Review of Emily Thomas, *Absolute time: Rifts in early modern metaphysics* (Oxford University Press, 2018). [Notre Dame Philosophical Reviews](#) 2018.
- Review of Ronald Calinger, *Leonhard Euler: Mathematical Genius in the Enlightenment* (Princeton University Press, 2016), forthcoming in *American Historical Review*.
- Review of Amir Alexander, *Infinitesimal: How a Dangerous Mathematical Theory Shaped the Modern World* (New York: Scientific American/Farrar, Straus, Giroux, 2015), *Mathematical Intelligencer* 39 1(2017): 72-3
- Review of *The correspondence of John Wallis. Vol. IV (1672–April 1675)*. Edited by Philip Beeley and Christoph J. Scriba. (Oxford: Oxford University Press, 2014). In *Mathematical Reviews* [MR3287586](#)
- Review of Edward I. Sandifer, *How Eudler did Even More* (Washington, DC: Mathematical Association of America, 2015), in *Mathematical Reviews* [MR3308385](#).
- Review of Richard C. Brown, *The Tangled Origins of the Leibnizian Calculus: A Case Study of a Mathematical Revolution* (London: World Scientific Press), in *British Society for the History of Mathematics Bulletin* 30 (2015): 261-263
- Review of Benjamin Wardhaugh, *Poor Robin’s Prophecies: A curious Almanac, and the everyday mathematics of Georgian Britain* (Oxford, Oxford University Press: 2012), *Mathematical Reviews* [MR3077578](#)
- Articles “Experience,” “Experimentation,” “Geometry,” “Logic,” “Mathematics,” “Reasoning,” “Resolutive-Compositive Method,” “Space,” and “Time” in *The Bloomsbury Companion to Hobbes*, ed. S. A. Lloyd (London: Bloomsbury Academic, 2012)
- Review of Carlo Borghero, *Les Cartésiens face à Newton: Philosophie, science, et religion dans la première moitié du XVIII<sup>e</sup> siècle*. (Turnhout, Belgium: Brepolis), in *Isis* 105 (2014): 217.
- Review of Dana Mackenzie, *The Universe in Zero Words: The Story of Mathematics as Told Through Equations* (Princeton, NJ: Princeton University Press, 2012), *Mathematical Reviews*, [MR2908506](#).
- Review of Kurt Smith, *Matter Matters Metaphysics and Methodology in the Early Modern Period*. (Oxford-New York: Oxford University Press, 2010), *Journal of the History of Philosophy* 49 (2011): 254-255.
- Review of Nicholas D. Jackson, *Hobbes, Bramhall and the Politics of Liberty and Necessity* (Cambridge: Cambridge University Press, 2009), *American Historical Review* volume 115, No. 2. (April 2010): 606-607.
- Review of Maria Rosa Antognazza, *Leibniz: An Intellectual Biography* (Cambridge, Cambridge University Press, 2009), *Intellectual History Review* 20 (2010): 281-284.
- Review of Gerhard Preyer and Georg Peter (eds.), *Philosophy of Mathematics: Set Theory, Measuring Theories, and Nominalism*, (Frankfurt a. M: Ontos Verlag, 2008) [Notre Dame Philosophical Reviews](#) (online publication)
- Review of Emily Grosholz, *Representation and Productive Ambiguity in Mathematics and the Sciences* (Oxford and New York: Oxford University Press, 2007). [Notre Dame Philosophical Reviews](#) (online publication)
- Review of A. P. Martinich, *Hobbes* (New York and London: Routledge, 2005). [Notre Dame Philosophical Reviews](#) (online publication).

**PUBLICATIONS (CONT.):****REVIEWS AND MINOR PIECES:**

- Review Symposium: "John Pell: Mathematical Utopian," review of Noel Malcolm and Jacqueline Stedall, *John Pell (1611-1685) and his correspondence with Sir Charles Cavendish* (Oxford: Oxford University Press, 2005). *Metascience*.
- Review of Tom Stoneham, *Berkeley's World: An Examination of the "Three Dialogues"* (Oxford: Oxford University Press, 2003). *Philosophical Review*.
- Articles "Hardy"; "Le Pailleur"; "L'Hopital" and "Roberval" in *Dictionary of Seventeenth-Century French Philosophers*, edited by Phillippe Hammou. London: Thoemmes.
- Review of Jürgen Renn, *Galileo in Context*, in *Early Science and Medicine*, volume 9 (2004): 55-59.
- Review of James Franklin, *The Science of Conjecture: Evidence and Probability before Pascal*, in [The Journal of Philosophy, Science, and Law](#), volume 3 (online publication),
- Review of Antonella Romano, *La Contre-Reforme Mathématique: Constitution et Diffusion d'une Culture Mathématique Jésuite à la Renaissance*. *Isis* 92 (2001): 386-7.
- Articles "Brouncker", "Hobbes", "Roberval", "Series", and "Wallis" in *The Encyclopedia of the Scientific Revolution from Copernicus to Newton*. Ed. Wilbur Applebaum. Garland Publishing, 2000.
- Review of Michael Esfeld, *Mechanismus und Subjektivität in der Philosophie von Thomas Hobbes*. *Isis* 89 (1998): 338-339.
- Review of Paolo Mancosu, *Philosophy of Mathematics and Mathematical Practice in the Seventeenth Century*. *Philosophical Review* 107 (1998): 146-148.
- Biobibliographic Essays "Hooke", "Kepler", "Newton", "Oldenburg", "Wallis" in *The Cambridge History of Seventeenth-Century Philosophy*, ed. Michel Ayers and Daniel Garber; Cambridge University Press, 1998.
- Review of Peter Dear, *Discipline and Experience: The Mathematical Way in the Scientific Revolution*. *Technology and Culture* 38 (1997): 756-758.
- Review of Fontenelle, *Éléments de la Géométrie de l'infini*, ed. Michel Blay and Alain Niderst. *Isis* 87 (1996): 549-550.
- Review of Robert G. Muehlman, ed. *Berkeley's Metaphysics: Structural, Interpretive, and Critical Essays*. *Archiv für Geschichte der Philosophie* 79 (1996): 115-118.
- Review of Michel Blay, *Les raisons de l'infini: Du monde clos à l'univers mathématique*. *Isis* 86 (1995): 325-326.
- Review of Alan Musgrave, *Common Sense, Science, and Skepticism*. *Isis* 86 (1995): 147.
- Review of *Past Masters* texts and database on Berkeley. *Archiv für Geschichte der Philosophie* 75 (1993): 95-96.
- Review of Margaret Atherton, *Berkeley's Revolution in Vision*. *Journal of the History of Philosophy* 30 (1992): 306-307.
- Review of Niccolò Guicciardini, *The development of Newtonian calculus in Britain: 1700-1800*. *Philosophy of Science* 54 (1992): 700-701.
- Review of Andrea Napoli (ed.), *Hobbes Oggi* and Yves Charles Zarka and Jean Bernhardt (eds.), *Thomas Hobbes: Philosophie première, théorie de la science et politique*. *Isis* 83 (1992): 320-322.
- Review (with Roger Ariew) of William Wallace, *Galileo and his Sources*. *Archiv für Geschichte der Philosophie* 71 (1989): 89-94.

**PRESENTATIONS:**

- "Hobbes, Leibniz, and Indivisibles," presented at the conference "Hobbes and Leibniz: A Complex Relationship," Università degli Studi, Milano, October 20-23, 2017.
- "The Principle of Continuity: Origins, Applications, and Limitations." X. Internationaler Leibniz-Kongress, Hannover, Germany, July, 2016.

**PRESENTATIONS (CONT.):**

- “Compensating Errors and the Status of the Calculus: Berkeley on the Nature of Demonstration,” U C Irvine Workshop, “The Scientific Berkeley,” Irvine, CA, May, 2016.
- “Evolving Criteria of Mathematical Rigor in the Seventeenth Century,” Midwest Philosophy of Mathematics Workshop, Notre Dame, IN, November, 2015.
- “Hobbes, Roberval, and the Foundations of Geometry,” Université de Paris VII (Diderot), March 2015.
- “Hobbes on the Limits of Rationality,” Université de Paris VII (Diderot), March 2015, and USF Graduate Student Conference, March, 2015.
- “Hobbes on *Conatus* The Ultimate Explanatory Concept?,” presented as the Faculty Address to the 7<sup>th</sup> USF Graduate Student Philosophy Conference; USF, March, 2014. Also presented to Philosophy Department, Duquesne University, October, 2014.
- “The Theory of Geometric *Minima* in Britain: 1650-1750,” presented at the conference “Finite Geometry, Indivisibles, and *Minima* from the Middle Ages to the Eighteenth Century,” Max Planck Institut für Wissenschaftsgeschichte, Berlin, Germany, May, 2013.
- “Geometry, Theology, and Politics: Reflections of Hobbes,” presented at the Early Modern Workshop, Department of Philosophy, University of South Florida, November, 2012.
- “Ratios, Quotients, and the Language of Nature,” presented at the conference “The Language of Nature,” University of Western Ontario, London, Ontario, October, 2012.
- “Hobbes’s Theory of Space,” presented at the conference “Space, Geometry, and the Imagination,” Max Plank Instiut für Wissenschaftsgeschichte, Berlin, Germany, September, 2012.
- “Hobbes on the Foundations of Natural Philosophy,” Oxford Hobbes Workshop, Maison Francaise d’Oxford and All Souls’ College, Oxford University, February, 2012.
- “Leibniz on the Eliminability of Infinitesimals: Strategies for Finding Truth in Fiction,” Midwest Philosophy of Mathematics Workshop / Ideals of Proof, Notre Dame, October, 2011.
- “Disputed Foundations: Seventeenth Century Controversies on Mathematics and Method,” presented at the USF Symposium “Early Modern: The Cultural Foundations of Europe,” February, 2011.
- “Abstract Symbols and Concrete Magnitudes: Seventeenth Century Concerns on the Nature of Mathematics,” presented at the NEH Summer Institute Princeton, NJ, July 2010 and *The Contested and Expanding Rôle of Applied Mathematics from the Renaissance to the Enlightenment* an interdisciplinary conference at the Centro De Giorgi - Pisa, September 13-16, 2010.
- “Wallis vs. Hobbes on the Nature of Mathematics,” presented at *John Wallis: Correspondent and Controversialist*, a conference at Jesus College, Oxford, April 12-14, 2009.
- “Part, Whole, Composition, and Division: Spinoza on the Infinite,” American Philosophical Society Eastern Division Meetings, December, 2009.
- “Seventeenth-century Debates over the Criteria for Mathematical Rigor,” Conference on Philosophical Aspects of Symbolic Reasoning, University of Ghent, August, 2009
- “Wallis, Barrow, and the Foundations of Mathematics,” Interdisciplinary Conference on the Arts Course at Cambridge and Oxford, Max Planck Gesellschaft für Wissenschaftsgeschichte, Berlin, April, 2009.
- “Knowledge, Language, and Reasoning in Hobbes” presented at the Workshop on Hobbes, McGill University, March, 2009.
- “An Excess of Scruple may Hinder the Art of Discovery: Leibniz on Rigorous Demonstration and the Fictionality of the Infinitesimal” Presented to the Philosophy Department, Notre Dame University, November, 2008, and to the Joint Meeting of the Association for Symbolic Logic and the Eastern Division of the American Philosophical Society, colloquium “Ideals of Rigor in Mathematics,” December, 2008.
- “The Very Soul of Mathematics: Barrow’s *Mathematical Lectures* and the theory of Ratios in the Seventeenth Century,” Workshop on “Geometrical Thinking” hosted by the ANR *Chaire d’Excellence*, “Ideals of Proof,” Nancy, France, Decemer, 2008.

**PRESENTATIONS (CONT.):**

- “The ‘Merely Mechanical’ vs. the ‘Scab of Symbols’: Seventeenth-century Debates over the Criteria for Mathematical Rigor,” Midwest Philosophy of Mathematics Workshop, Notre Dame, IN, November, 2008.
- “Hobbes, History, and *Scientia*,” Presented to the meeting of the International Society for Intellectual History, London, April, 2007.
- “Hobbes on History as a Source of Knowledge,” presented to the Philosophy Dept., Virginia Tech, April 2007
- “Truth in Fiction: Leibniz on the Fictionality of Infinitesimal Magnitudes,” presented at the conference *The Metaphysical and Mathematical Theories of the Infinitesimal in Leibniz’s Time*, Emory University, March 30-April 1, 2006; also presented to the Philosophy Dept, NC State University October, 2006.
- “Descartes, Pascal, and the Epistemology of Mathematics: The Case of the Cycloid,” presented at the conference *Descartes and Pascal*, University of South Florida, Jan 13-15, 2006.
- “Geometry, Theology, and Politics: Context and Consequences of the Hobbes-Wallis Dispute,” presented at the conference *Wahrheit im Diskurs? Das agonale Moment in der öffentlichen Debatte* Potsdam, Germany, December 16-17, 2004.
- “Galileo, Hobbes, and the Book of Nature,” presented at the conference *Receptions of Galileo*, Virginia Tech, March 14-16, 2003.
- “Faith and Fluxions: Berkeley on Theology and Mathematics,” presented at the International *George Berkeley Conference*, Texas A&M, April 3-5, 2003
- “Hobbes on Rigorous Demonstration: Theory meets Practice,” presented at the philosophy of mathematics graduate seminar, Notre Dame University, April, 2003; NEH Summer Seminar on Leibniz, Blacksburg, VA, July, 2003, and presented to the Stanford University workshop on Logic and the Humanities, March, 2004, Ecole Normale Supérieure, Paris, December, 2004.
- “Descartes and British Philosophy,” at the conference “Receptions of Descartes,” Duke University, March 14-17, 2002
- “Mind, Matter, and Language in Hobbes and Descartes,” presented to the workshop “Materialism and the Mental” at Rutgers University, November, 2001.
- “Leibniz, Bramhall, and Hobbes on Free Will and Divine Justice,” Seventh International Leibniz Congress, Technische Universität Berlin. Berlin, September, 2001.
- “Hobbesian Mechanics,” presented to the Committee on Conceptual and Historical Studies of Science, University of Chicago, February, 2001; History of Science Program, University of Minnesota, April, 2001.
- “Hobbes and Descartes on Physics, Metaphysics, and the Possibility of Theology,” presented to a joint meeting of the Midwest Seminar in the History of Early Modern Philosophy and the Centre d’Études Cartésiennes at the conference “Descartes et ses Adversaires,” Paris, Université de Paris-Sorbonne (Paris IV) December 12-14, 2000.
- “Hobbes’s Atheism,” presented to the NEH Summer Seminar “Descartes and His Contemporaries,” Virginia Tech, July, 2000; Philosophy Dept., Macalester College, April, 2001.
- “Hobbes, the Jesuits, and Mathematical Method,” History of Science Society/Philosophy of Science Association Joint Meeting. Kansas City, MO, October 14-16, 1998.
- “The Decline and Fall of Hobbesian Geometry,” Midwest Seminar in the History of Early Modern Philosophy, December, 1996; Philosophy Dept., University of North Carolina at Chapel Hill, Feb, 1998; Science Studies Program, Virginia Tech, March, 1998.
- “Hobbesian Mathematics and the Sociology of Knowledge,” Triangle Intellectual History Seminar, Durham, NC, February 18, 1996.
- “Between Something and Nothing: Leibniz, Wallis, and Johann Bernoulli on the Infinitely Small.” *Leibniz in the 90s*, Conference at Virginia Tech, Blacksburg, VA, March, 1995.
- “Replies to Mancosu and Atherton,” presented at the “Author Meets Critics” symposium on *Berkeley’s Philosophy of Mathematics*. APA Eastern Division Meetings. Boston, MA, December, 1994.

**PRESENTATIONS (CONT.):**

- “Leibniz and the Foundations of the Calculus: The Question of the Reality of Infinitesimal Magnitudes,” *Leibniz and the Sciences*, Dibner Institute for the History of Science and Technology, MIT, December, 1994.
- “Hobbes, Wallis, and the Universities: Steps toward an Understanding of the Hobbes-Wallis Dispute,” presented to the Virginia Tech Seminar in the History and Philosophy of Science Blacksburg, VA, October, 1993.
- “Berkeley and Mathematics,” *Berkeley: The Old World and the New*. International Berkeley Society Conference, Newport, RI, March 1992.
- “Hobbes on Mathematical Method,” *Six Objectors to Descartes “Meditations”*. Conference sponsored by the NEH. Blacksburg, VA, March, 1992.
- “Reflections on the Revolution in Vision: Berkeley on Representation and Geometry,” APA Central Division Meetings, Chicago, April 1991.
- “Remarks on Drebuschenko’s Account of Berkeley and Abstraction,” APA Central Division Meetings, Chicago, April, 1991.
- “Hobbes and Wallis on the Angle of Contact: A Study in the History and Philosophy of Mathematics,” APA Central Division Meetings, New Orleans, April 1990.
- “Instrumentalism and Philosophy of Mathematics in Berkeley’s *Analyst*,” APA Eastern Division Meetings, Atlanta, December, 1989.
- “Rigorous Proof and the History of Mathematics: Comments on Crowe,” *Pierre Duhem: Historian and Philosopher of Science*, Conference at Virginia Tech, Blacksburg, VA, March, 1989.
- “Nadler on Berkeley and God’s Pain,” APA Eastern Division Meetings, Washington, December, 1988.

**WORKS IN PROGRESS:****EDITIONS AND TRANSLATIONS:**

*The Clarendon Edition of the Works of Thomas Hobbes*. I am editing three volumes of Hobbes’s mathematical publications for the Oxford University Press edition of Hobbes *Works*..

**PROFESSIONAL ACTIVITIES:**

- Co-Chair, International Society for the History of Philosophy of Science (HOPOS), 2006 meeting in Paris.
- Organizer, Southeastern Seminar in the History of Early Modern Philosophy (1994-).
- Organizer, Midwest Seminar in the History of Early Modern Philosophy (1990-92).
- Participant, NEH Summer Institute in History of Modern Philosophy, Brown University, June-July, 1988
- Referee, *Archiv für Geschichte der Philosophie*, *Canadian Journal of Philosophy*, *Canadian Journal of Political Science*, *Historia Mathematica*, *Isis*, *Journal of the History of Ideas*, *Journal of the History of Philosophy*, *Mathematics Magazine*, *Noûs*, *Perspectives on Science*, *Philosophical Review*, *Renaissance Quarterly*, *The Review of Politics*, *Science in Context*, *Studies in History and Philosophy of Science*.
- Referee, Oxford University Press, Cambridge University Press, University of Chicago Press, Yale University Press, Princeton University Press.
- Referee, NEH, NSF, National Humanities Center.
- Contributing Reviewer, *Mathematical Reviews*.
- Member, American Philosophical Association, American Mathematical Society, History of Science Society, International Society for Intellectual History, International Society for the History of the Philosophy of Science, International Berkeley Society, International Hobbes Association, Leibniz Society of North America.



**PH.D. COMMITTEES:**

- Kathryn Morris, "Geometrical Physics: Mathematics in the Natural Philosophy of Thomas Hobbes," McGill University, 2000 (External Examiner).
- Stewart Duncan, "Hobbes: Metaphysics and Method," Rutgers University, 2003 (External Examiner).
- Anthony DeSantis, "Philosophical Precursors to the Radical Enlightenment," University of South Florida, April, 2011 (Examiner).
- Sasha Cohen, "Hard Determinism and Moral Responsibility" University of South Florida, April, 2015 (Chair).
- Marcus Adams, "Hobbes and the Philosophy of Science," April, 2015 (External Examiner, University of Pittsburgh)
- Tim Slattery, "Time Wounds All Heels: On the Rationality of Contractarian Justice," February, 2014 (Chair)
- Emre Keskin, "Temporal Topology and Philosophy of Science" April, 2015 (Examiner)
- Andrew Winters "Structure in Metaphysics and the Philosophy of Science" April, 2015 (Chair)
- Lucio Mare, "Leibniz's More Fundamental Ontology: from Overshadowed Individuals to Metaphysical Atoms," May 2016 (Co-chair)
- Aaron Spink "Cartesian Method and Experiment, April 2016 (Examiner).
- Daniel Collette, "Stoicism in Descartes, Pascal, and Spinoza: Examining Neostocisims's Influence in the Seventeenth Century," May 2016 (Examiner).
- Justin Wisniewski, "Time Tense and Ontology: Prolegomena to the Metaphysics of Tense, the Phenomenology of Temporality, and the Ontology of Time. April, 2018 (Examiner)
- Erika Oshiro, "A Historical Approach to Understanding Explanatory Proofs based on Mathematical Practice. December, 2018 (Co-chair)

**AREAS OF SPECIALIZATION:**

History of Modern Philosophy, History and Philosophy of Mathematics

**AREAS OF COMPETENCE:**

Philosophy of Mathematics, Logic, Philosophy of Science

**LANGUAGES:**

German, Latin, French, Italian (in decreasing order of competence)