Joseph C. Pitt December 13, 2016

**CURRICULUM VITAE**

Joseph C. Pitt

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**Education**

1. A.B., Philosophy, College of William and Mary

1966-68 Advanced Study, Duke University

1970 M.A., Philosophy, University of Western Ontario

1972 Ph.D., Philosophy, University of Western Ontario

**Field**

History and Philosophy of Science and Technology

**Professional Experience**

• Teaching Fellow, University of Western Ontario, 1970-1971.

• Instructor, Virginia Polytechnic Institute & State University, 1971-1972.

• Assistant Professor of Philosophy, Virginia Polytechnic Institute & State University,

1972-1978.

• Visiting Assistant Professor, University of Pittsburgh, 1974 (Summer).

• Associate Professor of Philosophy, Virginia Polytechnic Institute & State University,

1978-1983.

• Adjunct Professor - Center for the Study of Science in Society, 1981- 2001

• Professor of Philosophy, Virginia Polytechnic Institute & State University, 1983-

• ASPECT Affiliate 2007 -

• Professor of Science and Technology Studies 2009 -

**Administrative Positions**

• Founding Director - Center for the Study of Science in Society, Virginia Tech, 1979-1980.

• Founding Director - Humanities, Science and Technology Program, Virginia Tech, 1979-1989.

• Acting Department Head, Department of Philosophy, Virginia Tech, 1991-1992.

• Department Head, Department of Philosophy, Virginia Tech 1992-1998.

• Director of Graduate Studies, Department of Philosophy, Virginia Tech, 1998-2001

• Senior Administrative Fellow, Office of the Dean, College of Arts and Sciences, Virginia Tech, 1998-2001

• Department Head, Department of Philosophy, Virginia Tech 2001-2007

• Director of Undergraduate Studies, Department of Philosophy, Virginia Tech 2007 – 2013; Interim Fall 2013

• Interim Department Head, Department of Philosophy, Virginia Tech 2013-15

**Editorships**

***Editor:***

*• Perspectives on Science, Historical/Philosophical/Social,* Chicago (1993-1998)/ MIT

Press, (1999 - 2002)

*• The Society for Philosophy and Technology Newsletter, (*1998-2002*)*

*• Techné: Research in Philosophy and Technology (2007- 2013 )*

***Associate Editor:***

• *Techné, Journal of The Society for Philosophy and Technology* (1994 -2007)

*• Perspectives on Science, Historical, Philosophical, Social* (2002 - 2014)

***Board of Editors:***

*• History of Philosophy Quarterly, (*1991-2001*)*

*• Behavior and Philosophy, (*1985-95*)*

*• Philosophy and Technology* (1984-1995*),*

*• Science and Education. (*1993- 2000*)*

*• American Philosophical Quarterly (*2004 - 2012)

• *International Journal of Technoethics Advisory Board of Editors (2009 - )*

*• Journal of Academic Perspectives (2014 - )*

• Editorial Advisory Board, *Philosophy of Engineering and Technology* book series, Springer.

(2012 - )

• Editorial Advisory Board, *Techné; Research in Philosophy & Technology*  (2016 - )

## Awards and Honors

• Eta Sigma Phi (National Classics Honorary), 1966

• Canada Council Doctoral Fellowship, 1970, 1971

• Teaching Excellence Award, Virginia Polytechnic Institute and State University, 1974, 1975, 1976, 1977, 1985 (declined to be nominated for further awards)

• Academy of Teaching Excellence, Virginia Polytechnic Institute and State University 1978 & 1985 (permanent member)

• Senior Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh, 1984 -

• Alumni Teaching Award, Virginia Polytechnic Institute and State University, 1985

• Academy of University Service, Virginia Polytechnic Institute and State University, 1986

• Sigma XI, 1988

• Research Assignment, Virginia Polytechnic Institute and State University, 1991, 1999, 2007, 2016

• Trustee, American Philosophical Institute, 1997-

• Listed in: Who’s Who, American Men & Women of Science, Who’s Who in Technology, Who’s Who Among America’s Teachers 2003, 2004.

• Phi Beta Delta (International Scholars Honorary) 2008.

• Virginia Tech STS Graduate Program Award for “A lifetime of dedication and commitment to the Virginia Tech Science and Technology Studies Graduate Program, its students and colleagues” 2009.

* Excellence in Undergraduate Advising award 2009-2010, College of Liberal Arts and Human Sciences, Virginia Tech
* Alumni Award for Excellence in Research 2013, Virginia Tech
* Matheias Society 2013
* Elected Fellow of the AAAS, 2015

**Grants**

***Internal:***

• "Kant and Pierce," Virginia Tech, Small Project Grant, 1974.

($750)

• "New Perspectives on Galileo Workshop," Virginia Tech, 1975. ($4,000)

• "Wittgenstein and the Philosophy of Science," Virginia Tech, 1976. ($600)

• "Workshop on the Philosophy of Wilfrid Sellars," Virginia Tech, Institutional Grant, 1976. ($4,000)

• "Workshop on Philosophical Problems of Economics," Virginia Tech, Institutional Grant, 1979. ($4,000)

• Humanities Summer Stipend, Virginia Tech, Center for Programs in Humanities, 1979. ($2,500), 1981 ($2500), 1985 ($2750), 2009 ($3000)

• Research Assignment, Virginia Tech, Spring 1991, Spring 1998, Spring 2008

• Supplementary Grants for International Travel (VPI & SU); 1985 (Netherlands); 1988

(England, declined); 1989 (Bordeaux); 1989 (Netherlands); 1991 (Puerto Rico); 1992

(Netherlands, declined), 1996 (Hungary); 1997 (Germany); Netherlands (1998), Scotland (2001), Germany (2003), The Netherlands (2005) (2007), France (2006), Netherlands (2007), Uk (2008), Ireland and the Netherlands, (2009), Portugal (2013)

• "History of Philosophy of Science - A Founding and Organizational Conference", Academic Council for Continuing Education, Virginia Tech, 1995. ($10,000)

• “Seeing Near and Far,” Millennium Grant, Virginia Tech College of Arts and Sciences (1999) ($5000)

• “Objects and Artifacts; A Topic in the Philosophy of Technology”, conference, Center for Organizational and Technological Advancement, Virginia Tech, 2001. ($10,000)

• “Globalization” 15th biannual International Conference of the Society for Philosophy and Technology, from Virginia Tech Research Division, College of Liberal Arts and Human Sciences ($10,000)

• 5th Forum for Philosophy, Engineering and Technology – 2014 – various Virginia Tech sources ($14,000)

***External:***

• "4th International Conference on History and Philosophy of Science," The International

Union of History and Philosophy of Science and College of Arts and Sciences, Virginia Tech 1982. ($12,000)

• "The Emerging Synthesis in Science". Funds for Excellence -- State Council for Higher

Education in Virginia, 1986. ($30,000)

• "Technology Transfer and the Third World". Society for Philosophy and Technology Fourth Biennial Conference, Virginia Tech and The International Union for History and Philosophy of Science, 1987. ($7,000)

• "Conference on The Role of Experiment in Scientific Change", Machette Foundation. ($2,500)

• Journal Project: **Perspectives on Science**; **Historical, Philosophical, Social**. University of Chicago Press, 1992-1997. ($120,000)

• NEH/NSF Professional Development Grant for Dr. S. Weiss, Co-PI with R.M. Burian 1995 ($40,000).

• “Conference on Thomas Kuhn Reconsidered“ – (w/ R.Ariew, R.M.Burian,) 1999 ($3000) Machette Foundation

• “International Network for Engineering Studies Workshop #1: Engineers and Education”,

Co-PI with Gary Downey, 2006, National Science Foundation ($32,820)

• “SGER: Explanations of Software-Intensive Systems: A foundation for Design Science,” Co-PI with Steven R. Haynes and John M. Carroll (Penn State) 2006-2008, National Science Foundation ($199,712).

• “Establishing an Interdisciplinary Liberal Engineering Ethics Curriculum at Virginia Tech,” Co-PI with Ishwar Puri (Enginering Science and Mechanics) and Richard E. Wokutch. (Management), National Science Foundation 2008-10 ($299,000)

**Publications**

***Books***

• **Pictures, Images and Conceptual Change; An Analysis of Wilfrid Sellars'**

**Philosophy of Science.** *Synthese Library, Vol. 151.* Dordrecht; D. Reidel, 1981,

165 pp.

• **Galileo, Human Knowledge, and The Book of Nature: Method Replaces**

**Metaphysics.** *University of Western Ontario Series in History and Philosophy of* *Science, Vol. 50,* Dordrecht: Kluwer, 1992, 202 pp.

• **Thinking About Technology,** Seven Bridges Press: New York, 2000, 146 pages.

• **Doing Philosophy of Technology; Essays in a Pragmatic Mode,** Amsterdam: Springer,

2011, 220 pp.

• **The Philosophy of Wilfrid Sellars: Queries and Extensions** (Editor). *Philosophical*

*Studies Series in Philosophy.* Vol. 12. Dordrecht: D. Reidel, 1978, 304 pp.

• **New Perspectives on Galileo** (edited with R.E. Butts). *University of Western Ontario Series in Philosophy of Science.* Vol. 14. Dordrecht: D. Reidel, 1978, 262 pp.

• **Philosophy in Economics** (Editor). *Western Ontario Series in Philosophy of Science.*

Vol. 16. Dordrecht: D. Reidel, 1981, 210 pp.

• **Change and Progress in Modern Science** (Editor). *Western Ontario Series in the*

*Philosophy of Science,* Vol. 27. Dordrecht: D. Reidel, 1985, 304 pp.

• **I Modi del Progresso** (Edited with Marcello Pera). Milan: I1 Saggiatore, 1985, 211 pp.

• **Rational Changes in Science** (Edited with Marcello Pera). (Translated and expanded

edition of **I Modi del Progresso**). *Boston Studies in the Philosophy of Science.* Vol. 98. Dordrecht: D. Reidel, 1987, 224 pp.

• **Theories of Explanation** (Editor). New York: Oxford University Press 1988, 256 pp.

• **Technological Transformation; Contextual & Conceptual Implications** (Edited with Edmund Byrne). *Philosophy & Technology,* Vol. 5. Dordrecht: Kluwer, 1989,

314 pp.

• **The Technology of Discovery and The Discovery of Technology** (Edited with Elena

Lugo). Blacksburg. *SPT Press*, 1991, 540 pp.

• **New Directions in the Philosophy of Technology** (Editor). *Philosophy & Technology*,

Vol. 11, Dordrecht: Kluwer, 1995, 224 pp.

• **The Production and Diffusion of Public Choice Political Economy;**

**Reflections on the VPI Center,** co-edited with Djavad Saleh-Isfahani and

Douglas Eckel. London: Blackwell, 2004, 280 pp.

• **Routledge Companion to the Philosophy of Technology,**  co-edited with

Ashley Shew Heflin, New York: Routledge Publishing Company (in Press,

expected May 2017)

***Journal Special Issues***

• **The Role of History in and for Philosophy,** Guest Editor with R.M. Burian. *Synthese*,

Vol. 67, No. 1, 1986, 154 pp.

• **In Honor of Marjorie Grene**, Guest Editor with R.M. Burian, *Synthese*,

Vol. 73, 1992, 166 pp.

• **Experiments and Scientific Change**, *Synthese*, Vol. 99, 1994, 135 pp.

• **Reconsidering Thomas Kuhn,** *Perspectives on Science, Historical, Philosophical, Social*; Vol. 9, No 4. , 2001, 110 pp.

• **The Production and Diffusion of Public Choice; Reflections on the VPI Center,** co-edited with Djavad Saleh-Isfahani and Douglas Eckel. Special Issue of *The American Journal of Economics and Sociology*, Vol. 63, No.1January 2004, 270 pp.

***Articles and Essays***

• "Suggestions for Judges," in *Logique et Analyse*, Vol. 14, pp. 345-354, 1971.

• "Comments on Rescher's 'Noumenal Causality'," in *Kant Studien*, Vol. 654, pp. 78-88, 1974.

• "Sellars' Theory of Probability," in *Philosophy Research Archives*, Vol. 2, 1976, pp. 1-36.

• "Galileo: Causation and the Use of Geometry," in **New Perspectives on Galileo**, edited by R.E. Butts and J.C. Pitt, *Western Ontario Series in the Philosophy of Science*, 14, Reidel, 1978, pp. 181-195.

• "Revolutions in Science and Refinements in the Analysis of Causation," (w/M. Tavel) in

*Zeitschrift für Allgemeine Wissenschaftstheorie*, Vol. VIII, 1977, pp. 48-62.

• "Setting the Parameters or What Not to Say about Sociobiology," in *Journal of Social and Biological Structures,* Vol. 2, 1979, pp. 225-228.

• "Hempel vs. Sellars on Explanation," in *Dialectica*, Vol. 23, No. 2 (1980), pp. 95-120.

• "The Role of Inductive Generalizations in Sellars' Theory of Explanation," in *Theory &*

*Decision*, Vol. 13, December 1981, p. 345-356.

• "The Untrodden Road: Rationality and Galileo's Theory of the Tides," in *Nature and System*, Vol. 4, 1982, pp. 87-100.

• "Will a Rubber Ball Still Bounce?" in **Philosophers Look at Science Fiction**, edited by

N.D. Smith, Chicago: Nelson Hall, 1982, pp. 57-65.

• "On Sellarsian Images," in *Epistemologia*, Vol. 5, 1982, pp. 1-13.

• "The Epistemological Engine" in *Philosophica*, Vol. 32, 1983, pp. 77-95.

• "Technology and Ideology" in *Nuova Civiltá della Macchine*, Vol. 2, 1984, pp. 15-18.

• "Galileo, e la Spiegazione Razionale, Le Maree." in **I Modi del Progresso Scienza**, edited by M. Pera and J.C. Pitt. Milan: I1 Saggiatore, 1985, pp. 119-136. Also in **Rational Changes in Science** as "Galileo and Rationality: The Case of the Tides."

• "The Character of Galilean Evidence" in *PSA* 1986, pp. 125-134.

• "The Autonomy of Technology" in *Philosophy & Technology* Vol. III, 1987, pp. 99-114.

♦ Reprinted in **From Artifact to Habitat: Studies in the Critical Engagement of**

**Technology.** *Bethlehem-Lehigh University Press*, 1990, pp. 117-131, *Technology*

*Studies,* Vol 3, edited by Gayle L. Ormiston.

**♦** Reprinted in **Controlling Technology**, 2nd Edition, edited by Eric Higgs, Andrew Light, and William Thompson, New York: Prometheus, 2003, pp. 229-242.

• "On Why Technology Can't Improve Society" in *Behaviorism*, 1987, Vol. 15, pp. 51-56.

• "Scienza e Technologica. Moralita e stile" in *Nuova Civilitá della Macchine*, Anno V. 1987, pp. 77-86.

• "Galileo, Rationality and Explanation" in *Philosophy of Science*, Vol. 55, No. 1, 1988,

Pp. 87-103.

• "Progressive Science: A response to Ackermann," in *Social Epistemology*, Vol. 2, No. 4, 1988, pp. 341-44.

• ""Style" and Technology" in *Technology in Society*, 1988, Vol. 10, pp. 447-456.

• "Apologia pro Simplicio: Galileo and the Limits of Knowledge" in **An Intimate Relation; Studies in the History and Philosophy of Science presented to Robert E. Butts on his 60th birthday**. *Boston Studies in the Philosophy of Science*, Vol. 116. Edited by Jurgen Mittestrass and James Brown. Dordrecht: Kluwer, 1989, pp. 1-22.

• "Simplicity and the Aesthetics of Explanation" in **Aesthetic Factors in Natural Science**. Edited by N. Rescher. *Center for Philosophy of Science Series in Philosophy of Science*, Vol. 12, 1989, pp. 27-34.

• "Technology and the Objectivity of Values" in **Technology and the Life World**, edited by T. Curry and L. Embrey, The Center for Advanced Study in Phenomenology, 1989, pp. 165-180.

• "The Myth of Science Education" in *Studies in Philosophy & Education*, Vol. 10, 1990,

Pp. 7-17.

• "The Discovery of Technology and The Technology of Discovery: Telescopes, Discovery and Progress" in *The Technology of Discovery and The Discovery of Technology*, edited by J.C. Pitt & Elena Lugo. Blacksburg, SPT Press, 1991, pp. 457-470.

• "The Heavens and the Earth" in **Revolution and Continuity, Essays in the History**

**and Philosophy of Modern Science**, edited by Peter Barker and Roger Ariew.

*Studies in Philosophy and the History of Philosophy*, Vol. 24, 1991, pp. 131-142.

• "Galileo, Copernicus, and the Tides" in *Theoria et Historia Scientiarum*, Vol. 1, 1991,

Pp. 83-94.

• "Problematics in the History of Philosophy" in *Synthese*, Vol. 92, 1992, pp. 117-134.

• "Transforming Knowledge: Galileo, Technology, and Space Science" in **The Interaction**

**Between Science and Technology**, Edited by Bart Gremmen. Studies in Technology and Science, Vol. 5. Waganngen: Wall Press, 1992, pp. 99-113.

• "Philosophical Methodologies, Technologies, and the Transformation of Knowledge" in

*Technology and Ecology*, Proceedings of the VII International Conference of the Society for Philosophy and Technology, edited by Larry A. Hickman and Elizabeth F. Porter, 1993, pp. 1-26.

• "Discovery, Telescopes and Progress" in **New Directions in the Philosophy of**

**Technology**. *Philosophy & Technology*, Vol. 11, Dordrecht: Kluwer, 1995,

pp. 1-16.

• “On the Philosophy of Technology, Past and Future” in *Society for* *Philosophy and*

*Technology*, a quarterly electronic journal, Vol. 1, Fall, 1996.

• “Developments in the Philosophy of Science 1965-1995” in *The Encyclopedia of Philosophy*, Supplemental Volume, New York: Macmillan, 1997.

• “Philosophical Methodologies and the Philosophy of Technology” in *Society for* *Philosophy and Technology* *Quarterly Electronic Journal*, Vol. 1, No. 3, 1997.

• “Galilei, Galileo” in *The Encyclopedia of Empiricism,* edited by Don Garrett and Edward Barbarell, Westport: Greenwood Press, 1997, pp.112-113.

• “Doing Philosophy: Rescher’s Normative Methodology” in *The Philosophy of Nicholas Rescher*, edited by Michael Quante and Axel Wüstehube. Poznan Studies in the Philosophy of the Sciences and Humanities, 1998, Vol. 64, pp. 146-173.

• "Explaining Scientific Change" in *Techne; The* *Society in Philosophy and Technology Quarterly Journal*, Vol. 3. No. 3, 1998

• "Measurement" in *Encyclopedia of the Scientific Revolution* edited by Wilbur Applebaum. New York: Garland, pp 405-408.

• “Design Mistakes” in **The Empirical Turn in the Philosophy of Technology,**

*Research in Philosophy and Technology*, Vol. 20, Amsterdam: Elsevier, 2001, pp. 149-163.

• “What Engineers Know” in *Techne; The* *Society in Philosophy and Technology*

*Quarterly Journal*, Vol 5, No. 3, Spring 2001.

• “The Problem with Case Studies” in *University of Gratz Institute for Advanced*

*Studies on Science, Technology, and Society* *Yearbook 2002*, edited by Arno Bammé, Peter Baumgartner, Wilhelm Berger, and Ernst Kotzman, pp. 285-294.

• “The Dilemma of Case Studies” in *Perspectives on Science; historical, philosophical, social*, Vol. 9, No.4, 2001, pp. 373-382.

• “Herbert Simon, David Hume and the Science of Man” in **Models of a Man: Essays in Memory of Herbert Simon**, edited by Mie Augier and James G. March, Cambridge, MA: MIT Press 2004, pp. 483-500.

• “Against the Natural/Artificial Distinction” in **Philosophical Dreams,** Oneonta Studies in Philosophy, Edited by Douglas Schrader, SUNY/Oneonta Press, 2003, pp 241-260.

• “Introduction” (with Djavad Salehi-Isfahani and Douglas. Eckel) in **The Production and Diffusion of Public Choice Political Economy; Reflections on the VPI Center**, published simultaneously in *The American Journal of Economics,* Vol. 63, No. 1, 2004, pp.1-17.

• “Comments on McClennen’s “Prudence and Constitutional Rights”: Or, How Do You Turn Words into Action”, in **The Production and Diffusion of Public Choice Political Economy; Reflections on the VPI Center**, published simultaneously in *The American Journal of Economics,* Vol. 63, No. 1, 2004, pp. 257-262.

• “Against the Perennial” in *Techné, Research in Philosophy and Technology,* <http://scholar.lib.vt.edu/ejournals/SPT/> , Vol. 7, No.2

• “Ethical Colonialism *in Techné, Research in Philosophy and Technology,* <http://scholar.lib.vt.edu/ejournals/SPT/>, Vol. 7, No 3.

• “The Epistemology of the Very Small” in **Discovering the Nanoscale,** edited by Joachim Shummer, Alfred Nordmann and Davis Baird, Amsterdam: ISO Press, 2004, pp 145-156.

• “When is an Image not an Image?” injoint issue of *Hyle, the International Journal of Philosophy of, Chemistry,* [*http://www.hyle.org*](http://www.hyle.org)*,* Vol. 11, No. 1, pp 97-99, 2005and *Techne; Research in Philosophy and Technology,* [*http://scholar.lib.vt.edu/ejournals/SPT/*](http://scholar.lib.vt.edu/ejournals/SPT/), Vol. 8, No.2. , 2005.

♦ Reprinted in **Nanotechnology Challenges: Implications for Philosophy, Ethics and Society**, edited by Joachim Schummer & Davis Baird. Singapore: World Scientific Publishing, 2006 .

• “ Hume and Peirce on Belief, Or, Why Belief Should Not be an Epistemic Category”,

*Transactions of the Charles S. Peirce Society*, Vol. XLI, No.2, pp 343-354, 2005

• “Human Beings as Technological Artifacts” in **Defining Technological Literacy; toward an epistemological framework,** edited by John Dankers, London: Palgrave , 2006, pp. 133-142.

• “Voir la Nature” in **Conceptions de la Science:** **Hier, Aujourd’Hui et Demain** edited by

R. M. Burian and J. Gayon, Brussells: Ousia, 2007, pp 272-289.

• “Speak to Me”, in *Metascience,* 2007, Vol 16, pp. 51-59.

• “Design Criteria in Architecture” in **Philosophy and Design: From Engineering**

**to Architecture***,* Pieter E. Vermaas, Peter Kroes, Andrew Light, and

Steven A. Moore (eds.), Springer, Dordrecht, 2008, pp 317-329.

• “Common Sense” in **Rescher Studies; Essays on the Philosophy of Nicholas Rescher**, edited by R. Almeader, Heusenstamm: Ontos Verlag, 2008, pp. 253-260.

• “Don’t Talk to Me”” in **The iPod** edited by D.E. Whittkower, Chicago:Open Court, 2008,

pp. 161-166.

• “Anticipating the Unknown”, in **Emerging Conceptual, Ethical and Policy Issues in Bionanotechnology,** edited by B. Fabrace , New York, Dordrecht: Springer 2008,

pp 103-116.

• “Small Talk” in *Spontaneous Generations*, 2:1, 2009

[http://jps.library.utoronto.ca/index.php/Spontaneous Generations](http://jps.library.utoronto.ca/index.php/SpontaneousGenerations)

• “Representing Engineers” in **Engineering in Context,** edited by Steen Hyldgar Christensen, Bernard Delahousse and Martin Meganck. Aarhus: Academica, 2009,

pp. 447-458.

• Engineers in Civil Society Section Introduction in **Engineering in Context**, edited by

Steen Hyldgar Christensen, Bernard Delahousse and Martin Meganck. Aarhus:

Academica, 2009, pp 399-402.

• “Theory Change and Instruments” in **The Blackwell Companion to the Philosophy of Technology***,* London: Blackwell Publishing, in press.

• “Philosophy, Engineering and Science” in **Philosophy and Engineering,** edited

by Ibo van de Poel and David Goldberg, Amsterdam: Springer, 2010, pp. 75-82.

• “Technological Explanation” in **Handbook of Philosophy of Science, Vol. 9:** **Handbook**

**of Philosophy of Technology and Engineering Sciences,** edited by A. Meijers,

Amsterdam: Springer, 2009, pp. 861-879.

• “The Technological Twist” in *Techné: Reseach in Philosophy and Tehnology,* Vol. 14, no. 1,

pp 69-71, 2010.

• “Sellarsian Anti-Foundationalism and Scientific Realism” in **Self, Language, and**

**World: Problems from Kant, Sellars, and Rosenberg,** edited by James R. O’Shea and Eric Rubenstein, Atascadero, California: Ridgeview Publishing Company, 2010, pp 171-185

• “Its Not About Technology” in *Knowledge, Technology and Society* (in press)

• "Morality is a subject which interests us above all others;". In Ilya Kasavin (Ed.), *Hume and Contemporary Philosophy*. Cambridge, UK: Cambridge Scholars Publishing, 2012. 240-250.

• “Putting Engineering into Philosophy” in **Philosophy and Engineering: Reflections**

**on Practice, Principles and Process,** edited by Diane Michelfelder, Natasha McCarty

and David Goldberg. Dordrecht: Springer 2014, pp 99-117.

• “Technology in Science: Instruments”. *in ΕΠΝΓΤΕΜΟΠΟΓΝΡ & ΦΝΠΟΓΟΦΝΡ ΗΑΥΚΝ*

*(Russian journal: Epistemology and Philosophy of Science), No.2, 2012*.

• “On the Idea of a University. *Spectra, 1*(2). 2012. [www.cdd.vt.edu/spectraVol](http://www.cdd.vt.edu/spectraVol)1,issue 2.html.

• “Guns don’t kill, people kill; values in and/or around technologies” in **The Moral Status**

**of Technical Artifacts,** edited by Peter Kroes and Peter-Paul Verbeek, Amsterdam:

Springer, 2013, pp 89-102.

• “Process versus Context” in **Engineering Education and Practise in Context,** Vol.2, edited

by Steen Hyldgaard Christensen, Christelle Didier, Andrew Jamison, Martin Megank,

Carl Mitchem and Byron Newberry. Dordrecht: Springer 2015, pp 361-368.

• “Space Telescopes” (revised) in **Ethics of Science, Technology, and Engineering;**

**a Global Resource, 2nd edition,** edited by J. Britt Holbrook, Vol. 4, 2nd edition.

Farmington Hills, MI Macmillan Reference USA, 2015, pp 235-237.

• “Successful Design in Engineering and Architecture” in **Creativity: Technology and**

**Music** edited by Hans-Joachim Braun, editor, in collaboration with Susan Schmidt Horning,

New York, Frankfurt: Peter Lang Publishers, 2016, pp 71-88.

• “Instruments in Science”, Pitt, Joseph; Mischler, Steven, co-editors, in **Oxford Bibliographies**

**in Philosophy**. Ed. Duncan Pritchard. New York: Oxford University Press.

• “The Role of Technologies in Undermining the Perennial Philosophy” in **Philosophy**

**and Engineering; Exploring Boundaries, Expanding Connections,** edited by

Diane Michelfelder, Byron Newberry and Qin Zhu, Dordrecht: Springer, 2016, pp. 73-84.

• “Transcendence” in **The Routledge Compansion to the Philosophy of Technology,**

edited by Joseph C. Pitt and Ashley Shew Heflin, New York: Routledge Publishing

Company (in press, forthcoming 2017)

***Reviews, Popular Articles, etc.***

• "Conceptual Change Comprehensive Bibliography," with Donna S. Pitt in **Conceptual**

**Change**, edited by G. Pearce and P. Maynard (Reidel, 1973), pp. 246-282.

• "University Presidents Ought to Discriminate Against Full Professors," with C.E. Cardwell, in **Papers in Economic Criticism**, edited by R. Chisholm (editor, *Journal of Economic Criticism*), Memphis State University Press, 1975, pp. 27-30.

• "Values and Judicial Decision-Making," in *Methodology and Science*, Vol. 9, No. 4, 1976,

pp. 151-161.

• "Recombinant DNA, The Controversy and the Promise," *Virginia Tech Magazine*, Vol. 1,

1978, pp. 29-33, with J.O. Falkinham.

• "Conceptual Change and Conceptual Tension," in *Methodology and Science*, Vol. 14, 1981, pp. 132-138.

• "Philosophy Applied," in **The Art of Teaching: Seven Perspectives**, edited by Lloyd

Bishop. Blacksburg: VPI Academy of Teaching Excellence, 1986.

• Review of **Dragons of Eden** by Carl Sagan, in *Human Ecology*, Vol. 8, 1979, pp. 471-473. Reprinted in **Contemporary Issues Criticism**, 1983.

• Review of **Cattle, Priests and Progress in Medicine** by C.W. Schwabe, in *American*

*Scientist,* Vol. 67, 1979, pp. 121-122.

• Review of **The Arrogance of Humanism** by David Ehrenfeld in *Human Ecology*, Vol. 8, No. 4, 1980, pp. 419-420.

• Review of **Genesis and Development of a Scientific Fact** by Ludwik Fleck, *Clio Medica*, Vol. 16, No. 1, pp. 58-59.

• Review of **Galileo and His Sources**, by William A. Wallace, *Philosophy of Science*, Vol. 54, No. 1, 1987, pp. 138-140.

• "The Problem of Individuating Revolutions," essay review of *Revolution of Science* by

I.B. Cohen in *Behaviorism*, Vol. 15, 1987, pp. 83-87.

• "Philosophy in Applied Economics" in **Ideas, Facts, and Choices.** Edited by Gene

Wunderlich, USDA Economic Research Service, 1987, pp. 4-18.

• "Literature, Technology, and the Objectivity of Values," *The Weaver*, Vol. 5, No. 2, 1987.

• "Friends in Holy Places", Invited Review of **Galileo Heretic**, by Pietro Redondi in *The*

*Sciences*, January/February, 1988, pp. 48-56.

• Review of **The Birth of History and Philosophy of Science** by N. Jardine. *Archive für*

*Geschichte der Philosophie*, Vol. 70, 1988, Heft 1, pp. 116-118.

• Review of **Meister Eckhart: Thought and Language** by Frank Tobin in *Ethics*, Vol. 98,

No. 4, 1988, p. 887.

• "In Search of A New Prometheus" Essay Review of **Philosophy of Technology**, by F. Ferre in *Philosophy and Technology*, Vol. 7, 1990, pp. 3-15.

• Review of **Empirical Knowledge** by Alan Goldman, *Isis*, Vol. 81, No. 2, 1990, p. 395.

• Review of **Philosophy of Economics**, edited by Wolfgang Balzer and Bert Hamminga in

*Philosophy and Economics*, Vol. 10, 1990, pp. 122-128.

• Review of **Measurement, Realism, and Objectivity**, edited by John Forge, in *Metascience*, Vol. 6, 1990, pp. 63-64.

• Review of **Philosophical Essays in Pragmatic Naturalism** by Paul Kurtz, in *American*

*Scientist* Vol. 80, 1992, p. 506.

• Essay Review of **Reappraisals of the Scientific Revolution.** Edited by David C.

Lindberg and Robert S. Westman, in *The Ohio Journal of Science*, Vol. 92, No. 4, 1992, pp. 123-124.

• Review of **Science, Technology, and Society** by Robert E. McGinn, *The Quarterly Review of Biology*, Vol. 67, Dec. 1992, pp. 566-567.

• Review of **Scientific Explanation**, edited by P. Kitcher and W. Salmon. *Minnesota*

*Studies in the Philosophy of Science*, Vol. 10. 1989. for *Review of Metaphysics*, March 1992.

• Review of **The Magic of Numbers & Motion: The Scientific Career of René**

**Descartes**, by W.R. Shea, in *Annals of Science*, Vol. 51, pp. 663-64.

• Review of **The Discovery of Kepler's Laws; The Interaction of Science, Philosophy,**

**and Religion**, by Job Kozhamthadam, S.J. in *Isis*, Vol. 56, No. 3, 1995, pp. 485-486.

• Review of Catherine Wilson, **The Invisible World**, in *Journal of History of Biology*

Vol. 29, 1996, pp. 466-468.

• Invited Essay Review of **Galilee Courtier**, by Mario Biagioli, in *Physis*, Vol. 34, 1997, Nuova Serie, No. 1-2, pp. 313-320.

• Review of Carl Mitchem, **Thinking Through Technology**, *in International Studies in*

*Philosophy*, Vol 33, No. 2, 2001, Pp. 147-149.

• Invited Essay Review of Peter Galison, **Image and Logic,** in *Science, Technology and Human Values* Vol. 24, No.2, Spring 1999, 295-300.

• Review of **Philosophical Tools for Technological Culture: Putting Pragmatism**

**to Work** by Larry Hickman, *Isis,* Vol. 94, No.1 p. 202.

• “The Changing Shape of Philosophy” in *The Virginia Tech Scholarly Review,*

No.1, March 2003, pp. 42-44.

• Review of **Thing Knowledge** by Davis Baird in *Hyle; the International Journal for the Philosophy of Chemistry*, http:www.hyle.org, Vol. 11, No. 1, pp 97-99.

• Review of **The Reception of the Galilean Science of Motion in the Seventeenth Century,**  edited by in *Notre Dame Philosophical Review,* http://ndpr.nd.edu/review.cfm?id=3101

• Review of **Thing Knowledge** by Davis Baird in *Philosophy of Science,* Vol. 72, No. 4, pp 645-647.

• “The Academy of Teaching Excellence at Virginia Tech: From Profound Visions to Exemplary Applications” in **Teaching Excellence at a Research- Centered University: Energy, Empathy, and Engagement in the Classroom**,

edited by Philip Lehman and Scott Geller, Boston: Pearson Custom Publishing, 2006, pp.2-5.

• Review of **Hubris and Hybrids; a cultural history** of **Western science and**

**technology** by Mikael Hård and Andrew Jamison. New York: Routledge, 2005, in

*Isis* Vol. 98, no. 3, p. 614

• Review of **Philosophical Instruments, Minds and Tools at Work** by

David Rothbart, Urbana: University of Illinois Press, 2007, in *Isis, Vol. 99.*

• Review of **Reenacting Galileo’s Experiments: Rediscovering the Techniques of 17th**

**Century Science,** Lewiston, N.Y.: Edwin Mellen Press, 2008. *Isis, Vo. 100, No. 3, pp 661-2.*

**Papers Presented**

• "Suggestions for Judges" to World Congress for the Philosophy of Law and Social Philosophy, Brussels, Belgium, September, 1971.

• "Galilee as Propagandist" to Ideas Forum, Virginia Polytechnic Institute & State University, November 1972.

• "The Virtues of Common Sense" to Virginia Philosophical Association, Richmond, Virginia, October 1973.

• "Scientific Method: Inductive or Deductive?" (Invited) to Hollins College, April 1974.

• "Galileo's Use of Geometry" to New Perspectives on Galileo Workshop, Virginia Polytechnic Institute & State University, October, 1975.

• "Conceptual Change" to Southern Society for Philosophy and Psychology, Atlanta, Georgia, April 1976.

• "Comments on 'How Not to Disconfirm a Scientific Law'" to Canadian Philosophical

Association, Quebec, Canada, June 1976.

• "Sellars on Sensing" to Randolph Macon Woman's College, December 1976.

• "Was Galileo's Theory of the Tides Reasonable?" to History of Science Society, Dallas,

December 1977.

• "Rational Change" to Canadian Society for History and Philosophy of Science, London,

Ontario, June 1978.

• "Towards a General Theory of Rationality" to American Academy of Religion, New Orleans, November 1978.

• "How to Impress a Visitor from Outer Space" to Virginia Tech Student Union's 'Not Your Average Lecture' Series, February 1979.

• "Will a Rubber Ball Still Bounce?" to Popular Culture Association, Pittsburgh, April 1979.

• "Toward a Logic of Discovery" to Mid-Atlantic Seminar for the History of the Physical

Sciences, April 1980.

• "Galileo's Theory of Explanation" to Canadian Society for History and Philosophy of

Science, June 1980.

• "Science and Ethics" (Invited) to Conference on Pedagogical Issues of Teaching Ethics in

Science Courses, Vassar College, June 1980.

• "What are the Philosophical Problems of Technology?" (Invited) Society for Philosophy and Technology, (Western Division APA), Milwaukee, April 1981.

• "On Why Technology Can't Improve Society" to 6th Annual Utopian Studies Conference, Virginia Polytechnic Institute & State University, October 1981.

• "Against Some Sacred Cows" (Invited) to Vanderbilt University Philosophy Colloquium,

February 1982, and to Canadian Society for History and Philosophy of Science, Ottawa, June 1982.

• "On the Philosophy of Technology" to Popular Culture Association, Louisville, 1983.

• "Comments on 'Utopia Without Work' by E. Byrne." to Society for Philosophy and Technology (Western Division APA), Cincinnati, 1984.

• "Galileo's Conception of Evidence," to Center for Philosophy of Science, University of

Pittsburgh, November 1984.

• "The Autonomy of Technology" to 3rd Biennial Conference on Philosophy and Technology. Twente, The Netherlands, August 1985.

• "The Autonomy of Technology" to Conference on the Mediation of Technology at University of Colorado, November 1985.

• "Philosophy in Applied Economics" (Invited) to United States Department of Agriculture, Economic Research Service, Washington, DC, February 1986.

• "Galileo and Copernicus; the Case of the Tides", to Conference on Testing Theories of Scientific Change, Blacksburg, Virginia, October 1986.

• "Taking "Science and Technology" Seriously" to Society for History of Technology, Pittsburgh, October 1986.

• “The Character of Galilean Evidence" to Philosophy of Science Association, Pittsburgh, October 1986.

• "Technology, Morality and Style" (Invited) to Instituto Banfi Conference, "Reason: Science and Morality", Reggio Emilia, Italy, November 1986.

• "Science and Technology; Morality and Style" to Second Technological Literacy Conference, Washington, DC, February 1987.

• "Teaching the Legend of Arthur" to VIII Medieval Forum, Plymouth, N.H., April 1987.

• "Technology and the Objectivity of Values' (Invited) to Conference on "Technology and the Lifeworld," Center for Advanced Research in Phenomenology, Duquesne University, Pittsburgh, November 1987.

• "Simplicity and the Aesthetics of Explanation" to Conference on "Aesthetic Factors in

Natural Science", Center for Philosophy of Science, University of Pittsburgh, December 1987.

• "Sellarsian Anti-Foundationalism" to Eastern Division APA, New York, December 1987.

• "The Values of Science" (Invited) to Conference on the Integrity of Scientific Research, Medical College of Virginia, Virginia Commonwealth University, May 1988.

• "Skepticism, Action, and Hume's Science" (Invited) to Clemson University Philosophy

Colloquium. October 1988.

• "In Search of a New Prometheus" (Invited) to Society for Philosophy and Technology,

Washington, D.C., December 1988.

• "The Myth of Science Education" (Invited) to Fourth Technological Literacy Conference,

Washington, D.C., January 1989.

• "Comments on Rich/Sugrue and Cozzens" to Conference on The Mutual Relevance of Science Studies and Science Policy," Blacksburg, VA, May 1989.

• "Democracy and the Values of Technology," (Invited) to Fifth International Conference on Philosophy and Technology, Bordeaux, July 1989.

• "The Myth of Science Education." Keynote at the First International Conference on the Role of History and Philosophy of Science in Science Education, Tallahassee, Florida,

November 1989.

• "Transforming Knowledge; Values, Epistemology and Space Science" (Invited) University of Alabama at Huntsville, April 1990.

• "Knowledge and Space Science" (Invited) Conference on Scientific and Technological

Development in the 19th and 20th Century. Eindhoven Technological University,

November 1990.

• "Technology, Discovery and Scientific Progress" (Invited) to Sixth International Conference of Society for Philosophy & Technology, Mayaquez, Puerto Rico, March 1991.

• "Comments on Alan Richardson", Eastern Division APA, December 1992.

• "The Role of Technology in the Progress of Science: a Lesson from Astronomy", Invited

Inaugural Lecture for new College of Science and Technology, Christopher Newport

University, Newport News, VA, September 1993.

• "The Technological Infrastructure of Science and Change in Knowledge" (Invited),

Oxford University, Oxford, UK, October 1993.

• "Seeing Nature: Origins of Scientific Observation" - Society for the Study of European Ideas, Calgary, Alberta, June 1994; In House Conference, Center for Philosophy of

Science, University of Pittsburgh, October 1994; “Homage a Marjorie Grene,”

Dijon, France, May 1995.

• “The Idea of a University” to Virginia Tech Science Studies Center Thursday Lunch

Series, September 1995.

• “The Wages of Sin; King Arthur and Civil Society” to Department of Philosophy Lecture

Series, Clemson University, October 1995.

• “The Consequences of Being Moral” to 5th Quality of Life International Conference,

Williamsburg, VA, December 1995.

• “The Future of the Philosophy of Technology” to American Philosophical Association

Annual Meeting, New York, December 1995.

• ” (Invited) “Sellars’ Anti-foundationalism in ‘Empiricism and the Philosophy of Mind’

Budapest, Hungary, October 1996.

• “Science, Technology, and Culture,” (Invited) Virginia Foundation for the Humanities,

October 4, 1996.

• (Invited) “Rethinking Science and Technology Studies or STS After the Sokol Affair,” University of Maryland Committee on History and Philosophy of Science Colloquium, February 1997.

• (Invited) “Explaining Scientific Change” to Society for Philosophy and Technology 10th International Conference, Dusseldorf, Germany, September 1997.

• (Invited) “Engineering a Mistake, the Case of the Hubble Space-based Optical Telescope” to workshop on the Empirical Turn in the Philosophy of Technology, Delft Technical University, Delft, The Netherlands, April 1998; and to Center for Science and Technology Studies, Virginia Tech, January 1999.

• (Invited) “Working between the Natural and the Artificial” – Delft Technical University, Delft, The Netherlands , May 1999.

• “(Invited) “What Engineers Know” to 11th International Meeting of the Society for Philosophy and Technology, San Jose, CA July, 1999.

• “The Role of Case Studies” to Science and Culture Conference, Como, Italy, September 1999

• “The Dilemma of Case Studies; towards a Heraclitian philosophy of science.” To “Kuhn Reconsidered” Conference, Blacksburg, Va. March 2000.

• “The Technological Infrastructure of Science and our Changing Understanding of Nature”, to Carnegie Institution Public Forum on the Meaning of Science, Washington D.C., March 2000.

• “PhilosophicalLandscapes” to Delft Technological University, Delft, The Netherlands, September, 2000.

• “Working the Natural/Artificial Distinction” to *The Tools Symposium*, University of Idaho, May 2001; also invited keynote address to The Undergraduate Philosophy Conference, SUNY, Oneonta, New York, April 2002.

• “The Problem with Case Studies” to Critical Issues in STS Workshop, Institute for Advanced Studies on Science, Technology and Society, Graz, Austria, June 2001.

• “The Current State of Science and Technology Studies” panelist, Critical Issues in STS Workshop, Institute for Advanced Studies on Science, Technology and Society, Graz, Austria, June 2001.

• “Against Meaning” to Society for Philosophy and Technology 12th International Conference, Aberdeen, Scotland, July 2001.

• Respondent – special session “Joseph Pitt’s Philosophy of Technology”, Society for Philosophy and Technology 12th International Conference, Aberdeen, Scotland, July 2001

• “Dutch Mysticism”, panel on Mereology, “Objects and Artifacts; an issue in the philosophy of technology” Conference, Hotel Roanoke , Virginia, September 2001.

• “Herbert Simon, David Hume, and the Science of Man”, to Department of Management Sciences, George Washington University, November 2001 (invited); also to Department of Economics, Virginia Tech, September 2002.

• “Science, Technology and Scientific Change” to Prince George’s County Maryland Community College Faculty Development Seminar, November 2001.

• Invited Panalist, “Harmless Scientism”, American Philosophical Association Pacific Division, Author Meets Critics, Robert Almeder’s **Harmless Naturalism.** March 2002.

• “Successful Design in Engineering and Architecture; A Plea for Standards” to Society for History of Technology, Toronto, October 2002;also to STS Seminar Series, Virginia Tech, October 2003; also to XYZ Gallery Lecture Series, Blacksburg, Va. January, 2003; Society for Philosophy and Technology 13th Biennial Internatinal Conference, July 2003, Park City, Utah.

• “The Normativity of Technological Knowledge” to International Conference: “Technological Knowledge: Philosophical Reflections” at Boxmeer, Netherlands, June 2003.

• Author Meets Critics: Comments on Thomas Vinci’s “The Argumentative Structure

of Quine’s Epistemology Naturalized”, to Pacific Division APA, March 2003.

• “The Epistemology of the Very Small” to conference on Nanotechnology: social

and philosophical implications”, University of South Carolina, March 2003. Canadian Society for History and Philosophy of Science, Halifax, Canada, May 2003.

• (Invited) “Galileo’s Contribution to the New Knowledge” to University of North Carolina at Chapel Hill, April 2003.

• “Ethical Colonialism” to Central Division APA, April 2003.

• “Epistemology and Nanotechnology” to *Discovering the Nanoscale”* conference, Darmstadt, Germany, October 2003.

• Invited Keynote: “Standards in STS” to National Association for Science and Technology Studies 19 Annual Conference, Baltimore, MD, February 2004

• “When is an Image Not an Image?” to *Imaging and Imagining* Conference, University of South Carolina, Columbia, SC March 2004.

• “Way of Going” to American Philosophical Association/Society for Philosophy and

Technology Conference, Ethics and Science, Univesity of Delaware, Dover, Delaware,

October 2004.

• “Embodied Baird”, to Author Meets Critics Session: Davis Baird’s *Thing Knowledge*, American Philosophical Association, Boston, MA, December 2004.

• “Ethics and Nanotechnology” to STS Seminar Series, Virginia Tech, February 2005.

• “Anticipating the Unknown” to NanoEthics Conference, University of South Carolina, Columbia SC, March 2005.

• “Design Criteria in Architecture” to 14th Biennial International Conference of the Society for Philosophy and Technology, Technical University of Delft, Delft, Netherlands, July 2005.

• “The History of the History of Philosphy in *Mind*” to Mind Symposium, Blacksburg, VA, December 2005.

• “Small Talk; nanotechnology and metaphor” to

\* The Nano Center Colloquium at University of South Carolina, April, 2006

\* Virginia Tech Humanities Symposium, “Scientific Images: Learning from

Pictures”, April 2006.

• “Technical/Technological Explanation” to

\* Workshop Handbook, Philosophy of Technology and Engineering

Sciences, Technical University, Eindhoven, The Netherlands, January 2007.

\* University of Virginia STS Colloquium, October 2007

• “Human Beings as Technical Artifacts” to PATT 8, Glascow, Scotland June 2007.

• “ Philosophy, Science and Engineering” to Workshop on Philosophy and Engineering, Delft Technical University, Delft, The Netherlands, October 2007.

• “Philosophers going native, Engineers being reflective, why now?”, (invited) Central Division American Philosophical Association, Chicago, April 2008.

• “Small Talk” to 6th Quadrennial Pittsburgh Center for Philosophy of Science Fellows conference, Athens, Ohio, July 2008.

• “Technological Explanation” (Invited) to Technical University of Athens, Greece, November 2008.

• ”Representing Engineers” to Dublin Institute of Technology, July 2009.

• “Instruments and Scientific Change” to 16th Biannual International Conference of the Society for Philosophy and Technology, University of Twente, Netherlands, July 2009.

• “It’s Pragmatism All the Way Down” to Society for Social Studies of Science, Washington D.C., October 2009.

• “Putting Engineering in Philosophy” to Forum on Philosophy, Engineering and Technology, Golden, CO Colorado School of Mines, May 2010.

• “”Morality is a subject which interests us above all other…”,” Keynote address to conference on David Hume and Contemporary Philosophy, Moscow, Russia, November 2011.

• “Instruments and Scientific Change” to Moscow State University, Moscow, Russia, November 2011.

* “”Friend” versus “friend” to 18th International Conference of the Society for Philosophy & Technology, Lisbon, Portugal, July 2013.
* “ Nature Seeing; Instruments and Observation”

\*Institute for History and Philosophy of Science and Technology, University of

Toronto, Canada (invited) October 2013.

\*Forum for Philosophy, Engineering and Technology, Blacksburg, VA, May 2014

**Other Professional Activities**

***Conferences and Symposia Organized***

• "New Perspectives on Galileo Workshop" Virginia Polytechnic Institute & State University, October 24-26, 1975.

• "Workshop on the Philosophy of Wilfrid Sellars" Virginia Polytechnic Institute & State

University, November 1976.

• "Workshop on Philosophical Problems of Economics," Virginia Polytechnic Institute & State University, April 1979.

• Symposium on Philosophy of Technology, Popular Culture Association, Detroit, April 1980.

• AAAS Panel on Science and Non-Science, Detroit, May 1983.

• "The Role of History in and for Philosophy",(with R.M. Burian) Virginia Tech, May 1984.

• 4th International Biennial Conference of Society for Philosophy and Technology, Blacksburg, Virginia, July 1987.

• "In Honor of Marjorie Grene" (with Richard Burian), Virginia Tech, November 1990.

• 6th International Conference of Society for Philosophy & Technology, Mayaguez, Puerto Rico, March 1991.

• "The Role of Experiment in Scientific Change," Virginia Tech, April 1992.

• "The Metaphysical Foundations of Social Theory" (with J. Christman), Virginia Tech, April 1993.

• Symposium on the “Technological Infrastructure of Science,” Philosophy of Science

Association, Co-Sponsored by the Society for the Social Studies of Science, New Orleans, November 1994.

• Symposium on “The Technological Infrastructure of Science,” Southern Society for Philosophy and Technology, Virginia Beach, April 1995.

• “Homage a Marjorie Grene” (with R. Ariew, R. M. Burian, and J. Gayon) Dijon, France,

May 1995.

• “First International History of Philosophy of Science Conference,” (with David Stump),

Virginia Tech, April 1996.

• Panel on the role of case studies in history and philosophy of science at *Science and Culture* Conference, Como, Italy , September1999.

• “Kuhn Reconsidered” (with R. Ariew and RM Burian), Virginia Tech, March 2000

• “The Diffusion of Public Choice Theory, the Legacy of James Buchanan” (w D. Salehi-Isfanani and Douglas Eckel), Blacksburg, VA, May 2000.

• “ Objects and Artifacts; an issue in the philosophy of technology”, Roanoke, VA, September 2001.

• “Peirce-spectives”, with Rosa Mayorga, Virginia Tech, April 2004.

• 15th Biannual International Conference of *The Society for Philosophy and Technology,*”Globalization”, Charleston, S.C., co-director with Davis Baird.

• The Forum for Philosophy, Engineering and Technology, May 2014, Steering Committee and local arrangements chair.

***Other***

• Referee for: *Philosophy of Science; The Journal of Politics; Policy Studies; Synthese;*

*Sociological Inquiry; Philosophy and Technology (now Techn);* NEH; NSF; *The Journal of Veterinary Medical Education; Philosophy and Biology; Philosophy and Economics*; The Canada Council; *Science*, *Technology and Human Values*; NOW (Dutch NSF); Israel Science Foundation; *Isis*

• Chair, International Joint Commission of the International Union of History and Philosophy of Science, 1981-1982.

• Chair, local organizing committee for 4th International Conference on History and

Philosophy of Science, Blacksburg, VA., November 1982.

• Board of Directors, Society for Philosophy & Technology, 1983-88, 2007 – 2013.

• Organizing Committee for Lecture/Workshop Series: "Choices and Challenges". Funded by Virginia Foundation for Humanities and Public Policy, 1984-present.

• Reviewer of Manuscripts for Cambridge University Press, Oxford University Press,

MacMillan, Westview, Prentice-Hall, M. Nijhoff, University of Southern Illinois Press, SUNY Press, University Presses of Florida, Prometheus, Univ. of Toronto Press, Wadsworth, Kluwer, University of Pittsburgh Press, Blackwells, Rutgers University Press, Prentice-Hall.

• Faculty for Summer Seminar for high school teachers on Humanities, Science, and

Technology, 1985.

• National Research Council Minority Fellowships Panel, 1988-1991.

• President (1991-1993)/Vice President (1989-1991), Society for Philosophy and Technology.

• Chair, Nominating Committee, Society for Philosophy and Technology, 1994.

• Chair, Nominating Committee (1994,1995), Philosophy of Science Association.

• Steering Committee, History of the Philosophy of Science Working Group 2000-2002

• Advisory Committee, American Philosophical Association Eastern Division Program Committee(2000-2003)

• Chair, Nominating Committee, HOPOS, The International Society for the History of the Philosophy of Science. 2003.

• Chair, Finance Committee, HOPOS, 2003-4.

• Member, Advisory Board of the Center for Social and Ethical Implications of Nano-Technology, University of South Carolina. 2003 -

• Outside reviewer, Department of Philosophy, University of Saskatchewan, Saskatoon, Saskatchewan, January 2004.

• Outside Reviewer, Department of Philosophy, SUNY at Oneonta, April 2004

• Organizing Committee, Society for Philosophy and Technology biennual meetings, Lisbon, Portugal, July 2013.

**University Service**

1975 College of Arts and Sciences Program in the Humanities, Co-Chair of Sub-

Committee on Humanities for Biological and Life Sciences

1976 Chair, College of Arts and Sciences Program in the History and Philosophy of

Science and Technology

1971-present Guest Lecturer on Philosophy of Science in: College of Architecture; College of

Engineering; College of Agriculture (Department of Fisheries); College of Arts and Sciences (Departments of Political Science, Chemistry, Microbiology, and Biology), College of Veterinary Medicine

1975 Dean's Search Committee for Philosophy

1977-78 Dean's Search Committee for Philosophy & Religion Department Head

1978-80 & Member, Nominations Committee, College of Arts and Sciences

1981-85

1979 Chair, Provost's Committee on the Future of the Academy of Teaching Excellence

1979-85 College of Arts and Sciences Humanities Programs Committee

1980 Chair, Provost's Committee on Restructuring Teaching Awards

1980-81 Chair, Academy of Teaching Excellence, Virginia Polytechnic Institute & State

University (Vice-Chair, 1979-1980)

1980-83 Center for Study of Science in Society Advisory Committee

1982 Dean's Search Committee for Philosophy Department Head

1983-84 College of Arts & Sciences Library Committee

1984-85,1989 University Scholarship Committee

1984, 1985 Curriculum Committee, Arts & Sciences Graduate Program in Science and

Technology Studies.

1984-85 Director's Advisory Committee, Center for Study of Science in Society.

1985-86 Dean's Review Committee for Center for Study of Science in Society.

1985-86 Dean's Review Committee for Center for Programs in the Humanities.

1986-89 Science and Technology Studies Graduate Committee

1986-89 Graduate Program in Science and Technology Studies Steering Committee

1986-89 University Committee on Research and Artistic Activities in the Humanities

1987-88 Dean's Review Committee for Department of Philosophy (Chair)

1988-90 College of Arts and Sciences Planning Committee, Sub-Committee on Faculty

Development (Chair 1989-90)

1988-91 College of Arts and Sciences Curriculum Committee

1989-90 College of Arts and Sciences Planning Committee

1989-90 Chair, College of Arts and Sciences Planning Committee, Sub-Committee on

Faculty Development

1989-90 College of Arts and Sciences Steering Committee

1992-97 Graduate Program in Science and Technology Studies Steering Committee

1994-95 Department of Economics Review Committee

1992- University Honors Program Advisory Committee

1995-98 College of Arts and Sciences Personnel Committee (elected)

1997 Chair, College of Arts and Sciences Personnel Committee

1997– Chair, College of Arts and Sciences Faculty Rewards Project

1997 University Honors Program Five Year Review Committee

* 1. Division of Student Affairs, Professional Staff Development Committee
  2. Division of Student Affairs, Vice Presidential Outstanding Program Award

Committee

* 1. Division of Research and Graduate Studies Ad Hoc Program Review Committee

1. Co-convenor (w/George Simmons) First Year Teachers Group on Advising Academic Planning, and Orientation.
   1. College of Arts and Sciences Personnel Committee (elected)
   2. Chair, University Graduate Education Review Task Force

1999-2002 College of Arts and Science Teaching Awards Committee (elected)(chair 2001)

2001 Ad Hoc Committee to rewrite University’s Core Values

* 1. University Commission on Research (elected)
  2. Ad Hoc Committee on Intellectual Property

2002-2004 Chair, University Commission on Research (elected)

2003 Phi Beta Kappa Sturm Award for Excellence in Faculty Research

Committee,

2003 Graduate School Committee to Select Best Dissertation

* 1. Search Committee, Vice President for Research
  2. Chair, Tenure and Promotion Committee, College of Liberal Arts and

Human Sciences, Liberal Arts sub-committee

* 1. Chair, Graduate School Best Dissertation Committee

2004-2005 Vice-President (President-elect), Virginia Tech Chapter Sigma Xi

2005-2006 President, Virginia Tech Chapter of Sigma Xi.

2005-2006 Preceptor, Hillcrest Honors Community

2004-present Executive Board ASPECT, member

2006-present Publications Committee ASPECT, chair

2006-9 STS Policy Committee member

2006-8 Governance Committee ASPECT, member

2005-7 Humanities Summer Stipend Committee

2007-10 College of Liberal Arts and Human Sciences Faculty Council

2008 ASPECT/Political Science Search Committee

2008 Search Committee, Director of University Honors Program, member

2008-2011 College of Liberal Arts and Human Sciences Diversity Committee, member

2008 ASPECT senior faculty member search committee, member

2008 ASPECT ad hoc governance committee.

2008 College of Liberal Arts and Human Sciences Faculty Council

2008 College of Liberal Arts and Human Sciences Task Force on the Library

2008 - Chair, University Rhodes/Marshall Selection Committee

2008-11 College of Liberal Arts and Human Sciences Research Committee

2009-12 College of Liberal Arts and Human Sciences Diversity Committee

2010-11 Search Committee for Director of ASPECT.

2010-11 Chair, Faculty Council, College of Liberal Arts and Human Sciences (Vice-chair

2009-10).

2009 - Office of Research Integrity Standing Committee

2011 Search Committee, Associate Dean for Research and Graduate Studies, College of

Liberal Arts and Human Sciences

2011-14 ASPECT Graduate Admissions Committee

2012-13 College of Liberal Arts and Human Science Tenure and Promotion Committee

2012-13 College of Liberal Arts and Human Sciences Awards Committee, Chair

2013-14 ASPECT Stakeholders Committee

2013-18 Alumni Award for Excellence in Research Selection Committee

2014 University Committee for the selection of the Director of Honors

2014-15 Executive Committee, Virginia Tech Chapter Sigma Xi.

**Memberships**

• American Philosophical Association (1970 – 2015)

• American Association for the Advancement of Science

• Canadian Society for History and Philosophy of Science

• Herbert Simon Society

• History of Science Society

• HOPOS, International Society for the History of the Philosophy of Science

• International Society for History, Philosophy, and Social Studies of Biology

• Philosophy of Science Association

• Sigma Xi

• Society for Philosophy and Technology

• Society for History of Technology

• Society for the Advancement of American Philosophy

• Society for the Social Studies of Science

**GRADUATE STUDENT ADVISING**

**Joseph C. Pitt**

***SCIENCE AND TECHNOLOGY STUDIES***

**PH.D. COMMITTEES – CHAIR**

# Completed

Govindan Parayil Conceptualizing Technological Change: A Trans-Systemic Approach (1990)

*Sigma Xi* Doctoral Dissertation Award Winner

Teresa Castelao Gaston Bachelard’s Concept of Phenomeno-Technique (1993)

Ahmed Bouzid Knowledge, Science and Society in the Thought of Sayyid Gupt (1998)

James Collier The Structure of Meta-Scientific Claims: Toward a Philosophy of Science

And Technology Studies (1998)

Anne C. Fitzpatrick Igniting The Light Elements; The Los Alamos Thermonuclear Weapon Project, 1942-1952. (1998)

David Ferro Selling Science in the Colonial American Newspaper: How the Middle Colonial American General Periodical Represented Nature, Medicine and Technology, 1728 – 1765 (2001)

Daniel Dunlap The Link Project (2001)

Mark Russell Heredity and the Human Condition; a study of 20th Century genetic accounts of alcoholism (2002)

Caroline Cagle The Social Construction of 17th Century Cathedral Organs (2003)

Thomas Staley Making Sense in 19th Century Britain: affinities of the philosophy of mind,

Circa 1820-1860 (2004) Sigma Xi Dissertation Award

J. Christopher Hunt “We shall have to make the best of it:” The Conversion of Dennis Sciama (2005) – Sigma Xi Dissertation Award.

Andrew Garnar Wilfrid Sellars, Scientific Realism, Subjectivity, and Onto-Politics (2007)

William Shields Theory and Practice in the Study of Technological Systems (2007)

Michael Seltzer The Technological Infrastructure of Science (2007)

Najma Yousefi The Rise and Fall of Persian Science (2009)

Brandiff Caron Progress in Science through Emerging Disciplines (2012)

Ashley Shew Helflin Animal Technology (2011)

Tristan Cloyd (r)Evolution in Brain-Computer Interface Technologies for Play: (non) Users *in Mind* (2013)

Dayna Murphree Stewart Dugald and James Mill on Mind and Society (Posthumous, 2014)

Alfoso Vergaray Fear and Hope in the Political Philosophies of Sinoza and Hume (2014)

# In Progress

Diana Hoyt The Role of the Frontier Metaphor in the Space Program

Steve Mossier The Social Construction of Digital Media

Deanna Spraker Following the Cow

**PH.D. COMMITTEES – MEMBER**

# Completed

Nancy Mannikko The Emergence of the Consulting Engineer (1997)

Voula Saridakis Controversy and Observation in 17th Century Astronomy (2002)

Maria Rentetzi Gender, Politics, and Radioactivity Research in Vienna, 1910-1938 (2003)

Tyler Veak Feinburg and the politics of activism (2003)

Wyatt Galusky Reasonable Ecology (2004)

William Davis Undisciplined Philosophy of Technology (2016)

**In Progress**

Andrew Rumbaugh untitled

Heather Harris untitled

Charles Smith untitled

Jessie Mann untitled

**M. S. COMMITTEES – CHAIR**

# Completed

Teresa Castelao Gaston Bachelard’s Socio-Historical Epistemology (1990)

James Collier Scientific Discourse, Sociological Theory, and the Structure of Rhetoric (1993)

Garrit Curfs Experiment as Rhetoric in the Cold Fusion Controversy (1991)

Daniel Dunlap Rethinking Scientific Literacy Standards (1995)

Tracy Glenn Chaos and Linguistic Change (1991)

Robert Griffiths Technology Transfer in the Pharmaceutical Industry (1988)

Nancy Mannikko Invention and Innovation in Forest Harvest Technology (1990)

*Sigma Xi* Masters Thesis Award Winner

Sujatha Raman Anatol Rapaport’s Peace Science (1991)

Michael Seltzer The Genetic Hazards of Atomic Fallout Controversy (1993)

*Sigma Xi* Award Winner 1994

Matthew Rea The Rocky Mountain Wolf Reintroduction Project, A Case of Conflicting Values (1995)

Mark Russell Appropriating Wittgenstein (1997)

Andrew Garner Sport/Utility Vehicles as Technologies of the Self: The Only Civilized Way to

Leave Civilization (1998)

Diana Hoyt UFOcritique: UFOs, Social Intelligence, and the Condon Report (1999)

Paul Krumnacker Lime and Cement Technologies: Transition from Traditional to Standardized Treatment Methods.(2001)

Francis Bausch Examining One’s Own: Reflexivity and Critique in STS (2002)

Liam Kelly Hacking Systems, Hacking Values: Interactive Theories for

an Interactive World (2003) *Sigma Xi* Thesis Award

Ashley Shew “Beaver Dams, Spider Webs, and the Sticky Wicket: An Investigation into what Counts as Technology and What Counts as Knowledge” (2007)

Tristan Cloyd by Examination (2007)

Joshua Erik Taylor by Examination (2010)

Shannon Abelson Normativity and Experimental Philosophy (2014)

Michael Trapp Aquinas on the Intellectual Cognition of Singulars (2014)

**M.S. COMMITTEES – MEMBER**

# Completed

Andrea Burrows Computers in Organizations (1988)

David Bott NSF and Social Interaction (1988)

Virginia Salmon Technological Change in the Theater (1991)

Voula Saradakis Telescopic Sights vs. Open Sights; The Debate between Hooke and Hevelius(1992)

Anna Gold Against Community (1999)

Jody A. Roberts Instruments and Domains of Knowledge; The Case of Nuclear Magnetic Resonance, (2002)

Robert Darrow by exam (2009)

***ASPECT*** (Alliance for Social, Political, Ethical and Cultural Thought)

**Ph.D. COMMITTEE CHAIR**

**Completed**

Michael Butera Listening and Acoustic Orders (2010)

Alfonso Vergeray Rethinking Uncertainty: Spinoza and Hume on Shaping Uncertain

Secular Futures (2014)

**In Progress**

Claudio d’Amato Capability Communitarianism: a moral program for poverty reduction.

Michael Zarella Untitled

Amiel Bernal Moral Authority

***DEPARTMENT OF PHILOSOPHY***

**MA COMMITTEES – CHAIR**

# Completed

Michelle Little Facts (1995)

Steven Maas A Theory of Reference (1998)

Dennis Gannon Explaining Scientific Change (1999)

Charles Hudgins Royce on Ontology (2000)

Zane Rogers Nietzche’s Notes, Nietzsche’s ‘Philosophy’ (2001)

Michael Sevel By examination (2001)

Seth Bordner By examination (2003)

Christopher Upton “Pragmatism and the role of the Community” (2004)

John Smolen By examination (2004)

Matthew Kopec By examination (2006)

Ivan Guardo By examination (2006)

Lucas Covey By examination (2006)

Mike Butera By examination (2008)

Parissa Moosavi By examination (2010)

Robert Darrow By examination (2010)

Claudio d’Amato thesis title undetermined (2011)

Rachel Crowder Examining “The Adam Smith Problem”: Individuals, Society, and Value (2012)

Cory Johnston Valence and Variety (2012)

George Hovey By examination (2013)

Amiel Bernal By examination (2013)

Jessica McCormack Morality and the Meat Machine (2013)

Rachel Crowder The Adam Smith Problem (2013)

Michael S. Zarella, jr. Contextual Knowledge Ascription & Non-Contextual Knowledge (2013)

Daniel Linford Atheism and Analogy; Aquinas Against the Atheists (2014)

Darren Jackson By Examination (2015)

Shannon Abelson Normativity and Experimental Philosophy (2014

Michael Trapp Aquinas on the Intellectual Cognition of Singulars (2014)

Shannon Abelson Normativity and Experimental Philosophy (2015)

Michael Trapp Thomas Aquinas on the Nature of Singular Thought (2015)

Darren Jackson By Examination (2015)

Jonathon M. Lindsey Exemplars, Moral Authority, and Practical Justificaion (2016)

Katherine Shepard Engendered: An Artistic Treatise Against Gender (2016)

**In Progress**

**MA COMMITTEES – MEMBER**

# Completed

Matthew Hettche Mersenne on Natural Law (1995)

Jason Richardson Dretske and Consciousness (1996)

Mark Fisher Kant’s Critical Attitude Toward the Only Possible Argument (1998)

Andrew Baxter Non-thesis Option (1998)

Darren Early The Relation Between Realism and Falsificationism in the Philosophy

Of Karl Popper (1999)

Joseph Hunter Kant and the Schematism (1999)

Jacob Klein By Examination (2002)

David Bruzina Skepticism (2002)

Louisa Kim By Examination (2004)

Lindley Slipetz On Distinguishing the Meaningless from the Meaningful: An Evolutionary Game Theoretic Approach to Ruth Millikan’s Teleosemantics (2013)

Derek Haderlie Moral Motivation and The Devil (2014)

Richard Creek Kant’s Negative Answer to Molyneux’s Question (2014)

Alice Lay By Examination (2015)

Alexander Stuberfield The Voter’s Thin Veil of Ignorance (2015)

***PARTICIPATION IN OTHER DEPARTMENTS***

**M.S*.* Committee Member**

**Political Science**

Robert Darrow, The Politics of Mountain Top Removal (2010)

**Ph.D. Committees – Member**

***Forestry and Wildlife:***

Lars Laestadies A Conceptual Framework for Forestry Theory (1990)

***Psychology:***

Joseph Sterling King A Comparative Analysis of Behavioral and Electrodermal Responses to Novelty (1980)

***Center for Public Administration and Policy:***

Jacqueline Cook With Good Intentions: Appalachian Service Providers and Human Services and Community Mental Health (1986)

***Participation In*** ***Philosophy Departments at Other Universities***

**Ph.D. Committee – Member**

Michelle Little Northwestern University Science as Process (2000)

Zach Pirtle George Washington University