*CURRICULUM VITAE: MARK WILSON*

*Home Address*:

1426 Washington Rd.

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*University Address*:

University of Pittsburgh

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*Education*:

Harvard University (Ph.D., 1976)

University of Washington (B.A., 1969)

Reed College (1965‑1967)

*Employment*:

Distinguished Professor, University of Pittsburgh (September 2015- present)

Professor, University of Pittsburgh (September 1998‑2015)

Professor, Ohio State University (September 1991‑1998)

Visiting Associate Professor, Ohio State University (September 1990‑91)

Associate Professor, University of Illinois at Chicago (September 1984‑91)

Associate Professor, University of California at San Diego (July 1982-84)

Assistant Professor, University of California at San Diego (September 1976‑82)

*Academic Honors*:

Woodrow Wilson Fellow, 1969

National Science Foundation Fellow, 1969‑72

Harvard Prize Fellow, 1969‑1974

Summer Faculty Fellowship, University of California at San Diego, 1978

Fellow, Institute for the Humanities‑UIC l986‑7

Faculty Research Grant, University of Illinois‑Chicago l987‑8.

Special Research Assignment Grants, Ohio State University, 1994; 1998.

NSF Grant, 1998‑99

Invited fellow, Institute for Advanced Study in the Behavioral Sciences, tenure to be determined

American Academy of Arts and Sciences, 2007

Erskine Fellow, New Zealand, summer 2009

Templeton Grant on Scales (Robert Batterman, principal investigator) 2015-6.

*Publications*:

*Books*:

Wandering Significance: An Essay on Conceptual Behavior, Oxford University Press, 2006.

Physics Avoidance, forthcoming Oxford University Press 2017.

*Articles*:

1. "Maxwell's Condition‑‑Goodman's Problem," British Journal for the Philosophy of Science, 30, 1979; reprinted in Catherine Elgin, ed., Nelson Goodmans New Riddle of Induction, Routledge (London: 1997)..

2. "Generality and Nomological Form," Philosophy of Science, March 1979.

3. "The Observational Uniqueness of Some Theories," Journal of Philosophy 77, May 1980.

4. "The Double Standard in Ontology," Philosophical Studies 39, March 1981.

5. "Predicate Meets Property," The Philosophical Review, October 1982. Reprinted in Mark Richard, ed., Meaning, Blackewells (Oxford: 2003).

6. "Why Contingent Identity is Necessary," Philosophical Studies, 1983.

7. "What Can Theory Tell Us About Observation?," in Images of Science, edited by P. Churchland and C. Hooker, University of Chicago Press, (Chicago: 1985).

8. "What is This Thing Called 'Pain'?, Pacific Philosophical Quarterly, 1985.

9. "Reflections on Strings" in Thought Experiments, edited by T.

Horowitz and G. Massey, George Unwin Press (New York: 1992).

10. "Nature's Demands on Language," Philosophical Topics, Fall, 1988.

11. "Critical Notice: John Earman's A Primer on Determinism," Philosophy of Science, Sept., 1989.

12. "Honorable Intensions," in Naturalism, edited by S. Wagner and R. Warner, Notre Dame Press, (South Bend: 1993).

13. "Frontier Law: Differential Equations and their Boundary Conditions," P.S.A. 1990, vol. II, edited by Arthur Fine, Micky Forbes and Linda Wessels, P.S.A. Press (E. Lansing: 1992).

14. "Frege: The Royal Road from Geometry," Nous, 1992. Reprinted in The Philosopher's Annual, 1993; Frege's Philosophy of Mathematics, edited by William Demopoulos, Harvard University Press, 1995; Frege: Critical Assessments of Leading Philosophers, vol 3., ed. by Erich Reck and Michael Beaney*.*(2005).

15. "A Note on Frege's 'Methods of Calculation'," printed as an appendix to the above in Frege's Philosophy of Mathematics, ed. by William Demopoulos, Harvard University Press, 1995.

16. "There's a Hole and a Bucket, Dear Leibniz," in Midwest Studies in Philosophy, XVIII, Notre Dame Press (South Bend: 1993). Reprinted in Butterfield, Hogarth and Belot, Spacetime, Dartmouth Publishing (London: 1996).

17. "Can We Trust Logical Form?," Journal of Philosophy XCI, October, 1994.

18. "Classical Mechanics," Routledge Encyclopedia of Philosophy, ed. by Edward Craig.

19. "Classical Field Theory," Routledge Encyclopedia of Philosophy, ed. by Edward Craig.

20. "Mechanism and Fracture in Cartesian Physics," Topoi 14, 1997.

21. "Frege's Mathematical Setting," Phil Sci Arch 2007 (forthcoming in the Cambridge Companion to Frege, edited by Michael Potter and Tom Ricketts).

22. "Wittgenstein: Physica Sunt, Non Leguntur," Philosophical Topics 1999.

23. "The Mathematics of Spilt Milk," in The Growth of Mathmeatical Knowledge, E. Grosholtz and H. Berger, eds. (Dordrecht: Kluwer, 2000).

24. "Where did the Notion that Forces are Unobservable Come from?," Observability, Unobservability and Scientific Realism, Boston Studies in the Philosophy of Science, E. Agazzi and M. Pauri (eds.), Kluwer, 1999.

25. "The Unreasonable Uncooperativeness of Mathematics in the Natural Sciences," The Monist **83**, 2, 2000.

26. Inference and Correlational Truth, Circularity, Definition and Truth, A. Gupta and Andre Chapuis, eds. 2000.

27. To Err is Humean, Philosophia Mathematica, 1999.

28. "Theory Facades," Proceedings of the Aristotlean Society, 2004.

29."Semantics Balkanized: Joseph Camp's Confusion," Philosophy and Phenomenological Research**73**(3) (2007).

30. "Ghost World: A Context for Frege's Context Principle," Frege: Critical Assessments of Leading Philosophers, vol 3., ed. by Erich Reck and Michael Beaney*.*(2005); also Phil Sci Arch (2007).

31. "Back to Back to Kant," in Discourse on a New Method, edited by Michael Dixon and Mary Domski, Open Court.

32. "A Funny Thing Happened on the Way to the Formalism," posted in Philosophy of Science Archive.(2006).

33. "Beware of the Blob: Cautions for Would Be Metaphysicians", Oxford Studies in Metaphysics, Vol. 4 (2008).

34. The Blob Abridged, Phil Sci. Arch (2008) (shorter version of the above)..

34. "Frege and Russell: Does Science Talk Sense?," European Journal of Analytic Philosophy, 2008.

35. "Duhem Before Breakfast," Phi Sci Arch (2007).

36. "Determinism: The Mystery of the Missing Physics," British Journal for the Philosophy of Science 2009; also Phil Sci Arch (2007).

37. Which Came First: The Logic or the Math?, Manuscrito 31(1), 2008.

38. Long Ago, In a Context Far Away, in Melanie Frappier, Derek Brown and Robert DiSalle, eds., Analysis and Interpretation in the Exact Sciences (Springer, 2012).

39. Of Whales and Pendulums, Philosophy and Phenomenological Research 82 (1), 2011.

40. What Can Contemporary Philosophy Learn from Our Scientific Philosophy Heritage?, Nous.44(3), 2010. Reprinted in Kincaid, H., Ladyman, J. and Ross, D. (eds.) Scientific Metaphysics (Oxford: Oxford University Press, 2013).

41. "Frege's Mathematical Setting" (completely reworked version of 21) in Michael Potter and Tom Ricketts, eds. Cambridge Companion to Frege.(Cambridge: Cambridge University Press, 2011).

42. Mixed‑Level Explanation, Philosophy of Science **77** (5) (2010), pp. 933-46.

43. Leibniz: How Did Sword Steel Get to be so Smart?, Reserved for book

44. From the Bending of Beams to the Problem of Free Will Reserved for book

45. How Wave Front Found its Truth-Values, forthcoming.

46. Machine in Laurence Nolan, ed., The Cambridge Descartes Lexicon (Cambridge: Cambridge University Press, 2016).

47. The Perils of Pollyanna, in Pierre Wagner, ed., Carnap's Ideal of Explication and Naturalism, (London: Palgrave-MacMillan, 2012).

49. What is Classical Physics Anyway?(short version) in R. Batterman, ed., The Oxford Handbook in Philosophy of Physics (Oxford: Oxford University Press, 2012)

50. Enlarging Ones Stall, Philosophica Mathematica (online version published 2012).

51. Some Remarks on Naturalism as We Now Have It, in Scientific Metaphysics, op cit.

52. David Chalmers Versus the Boll Weevil, Philosophy and Phenomenological Research, **89** (1) (2014).

53. Stitching Together a Language for Science, Analytic Philosophy **56**(4) (2015).

54. What I Learned from the Early Moderns, Synthese (March, 2017).

55. “Counterfactuals in the Real World” (with Jim Woodward) under submission

56. “Newton at the Billiard Table,” to appear in The Oxford Companion to Newton, forthcoming.

*Book Reviews*:

1. Against Method by Paul Feyerabend, Philosophical Review, 1978.

2. Quality and Concept by George Bealer, Philosophical Review, 1984.

3. What is a Law of Nature? by David Armstrong, Philosophical Review, 1986.

4. Philosophical Analysis in the Twentieth Century by Scott Soames, Philosophical Review (2007).

5. LOT2: The Language of Thought Revisited by Jerry Fodor, Notre Dame Philosophical Reviews (online) 2009.

6. Philosophy and the Foundations of Dynamics by Lawrence Sklar, Philosophical Review **124** (2015).

*Professional Activities:*

Program Committee, Central Division, American Philosophical Association (1993‑4).

Advisor, APA committee on philosophy of mathematics (2006-9).

Review of Symbolic Logic, advisory board.

Archive of Scientific Philosophy, Open Court, advisory board.

*Presentations*:

1."The Double Standard in Ontology," John Hopkins University, July 1979; also at University of California at San Diego, October 1979.

2. "Stuck With Grue?," University of California at San Diego, October 1981.

3. "Is Identity Necessary?," University of California at San Diego, October 1981.

4. "What is This Thing Called 'Pain'?," Society for Exact Philosophy, February 1982.

5. "Elliot Sober on 'Probability' in Biology," American Philosophical Association Pacific Meetings, March 1982.

6."Observation and Theory," University of Illinois at Chicago, March 1983.

7. "Justificatory and Correlational Semantics," University of California at Irvine, October 1984; also Northwestern University, November 1984.

8. "The Life and Evolution of Language," University of Southern California, September 1985; also University of Wisconsin at Milwaukee, November 1985.

9. "Honorable Intensions," Massachusetts Institute of Technology,

March 1985.

10. "A Thought Experiment in Physics," University of Pittsburgh, April 1986.

11. "A Place For Use in Semantics," University of Pennsylvania, December 1986.

12. "What is a Natural Description of Nature?," Institute for the Humanities, University of Illinois‑Chicago, April 1987.

13. "The Missing Shade of Brown," University of Illinois‑Urbana, May l987; also University of Western Ontario, September 1987.

14. "The Veil of Predication," University of Michigan, November 1989.

15. "What Can Philosophy Learn from the History of Mechanics?," A.P.A. Central Division Meetings, May 1990.

16. "Frege in Geometrical Perspective," University of Western Ontario, April 1990.

17. "Frontier Law: Differential Equations and their Boundary Conditions," Philosophy of Science Convention, October 1990.

18. "Frege: The Royal Road from Geometry," University of Pittsburgh, Feb. 1991; A.S.L. Meetings, March, 1991; Ohio State University, April, 1991; Indiana University, Nov. 1991.

19. "When Words Go Wrong," School of Humanities, Ohio State University, Feb. 1992.

20. "Comments on Levy," Ohio Philosophical Association, April, 1992.

21. "There's a Hole in the Bucket, Dear Leibniz," University of Pittsburgh, October, 1992; also Ohio State University, February, 1993.

22. "When does a Concept Look Like a Property?," University of California‑Davis, March, 1993.

24. "Can We Trust Logical Form?," Cognitive Science, Ohio State University, May, 1993. Also University of Pittsburgh, February 4, 1994.

25. "Descartes on Impact," University of Toronto, Dec. 11, 1993.

26. "Riemann's Point of View," University of Pittsburgh, March, 1994

(for seminar in philosophy of mathematics).

27. "From the Bending of Beams to the Unreality of Space and Force," Indiana University, Nov 14, 1994; also University of Wisconsin‑Madison on Nov. 4, 1994.

28. "The Mathematics of Spilt Milk," Pennsylvania State Conference on

Philosophy of Mathematics, April, 1995.

29. "Where did the Notion that Forces are Unobservable Come From?,"

Padua, May, 1995.

30. "How does Hilbert's Problem on Mechanics Look Today?," Pittsburgh

Conference in Philosophy of Mathematics, September, 1995;

31. "Intimations of Modality," University of Western Ontario, January, 19, 1996.

32. "Science Should be Used and Not Mentioned," University of

Michigan, March 15, 1996.

33. "A Platform for Cartesian Relationalism," Pacific APA, April, 4, 1996.

34. "The Justification of Calculation," Conference on philosophy of applied mathematics, University of Cambridge, Cambridge, England,

July 5‑7, 1996.

35. "Descartes on Impact and Rupture," University of Pittsburgh, Feb.1997.

36. "The Unreasonable Uncooperativeness of Mathematics in the Natural

Sciences," Eastern APA, Philadelphia, Dec. 1997. Also: Conference on physics and applied mathematics, University of Western Ontario, April 4, 1998.

37. "Duhem before Breakfast," Conference on Applied Mathematics, University of California‑Irvine, Laguna Beach, March 5‑8, 1998. Also: Conference on the history and philosophy of mathematics, University of Pittsburgh/Carnegie‑Mellon, May 1‑3, 1998.

38. "To Err is Humean," George Boolos Conference, University of Notre Dame, April 15‑18, 1998.

39. "Grasping at Concepts," Conference in honor of Dorothy Grover, University of Illinois‑Chicago, May 6, 1998.

40. "Commentator on Mackey and MacLain," Seven Pines Symposium, Minnesota, May 13‑17, 1998.

41. On the Applicability of Mathematics, The nature of nature conference, Baylor University, April, 2000.

42. Comments on Ebbs, Central APA meetings, April, 2000 (read in absentia).

43. "Duhem," Northwestern University, Oct., 2000; also Central APA, May 2001.

44. "When Words Go Wrong," University of Pittsburgh, Dec. 2000.

45. "The Virtues of Cracked Reasoning," Carnegie-Mellon University, January, 2001. Also: University of California-Irvine, February, 2001.

46. "A Funny Thing Happened on the Way to the Formalism," Indiana University, May, 2002; also University of California-Irvine, April, 2002.

47. "Comments on Chihara," Pacific A.P.A, Seattle, April 2002.

48. "Batterman's Devil in the Details," Pacific A.P.A, San Francisco, April 2003.

49. "Theory Facades," Aristotlean Society, London June, 2004; also University of California-Irvine, March, 2004 and Stanford University, May, 2004.

50. "Physics and the Philosophers," Oxford University, June, 2004.

51. "A Clockwork Universe," Boston University, October, 2004.

52. "Druids Again," University of York, March, 2005.

53. "It's not Easy being Hard," University of Pittsburgh, November, 2005.

54. "Classical Mechanics: One Hundred Years After," University of Maryland, Feb., 2006.

55. "Beware of the Blob," Graduate Conference, University of Pittsburgh, April, 2006.

56. "Particles and Boundaries," Comment on Mathias Frisch, Pacific A.P.A., April, 2006.

57. Panelist, reduction conference, University of Pittsburgh, April, 2006.

58. "The Mystery of the Missing Physics," Conference on Determinism, U.C.L.A., November, 2006.

59. "Sympathy for Mechanists," U.C.L.A., November, 2006 and Center for the Philosophy of Science, February, 2007.

60. "The Blob Abridged, University of Utah, November, 2007; also University of Pittsburgh, October, 2007; University of Western Ontario Graduate Conference, April 2008.

61. A Second Pilgrims Progress, Pacific APA, March, 2008.

62. Leibniz Possibilities: From the Bending of Beams to the Problem of Free Will, Reichenbach Lecture, UCLA, May, 2008; also University of Western Ontario, May, 2008.

63. From the Bending of Beams to the Problem of Free Will, Brown University, Sept., 2008; also: University of North Carolina, October, 2008, Oxford University, December, 2008; University of Colorado, February 2009; Berkeley, September, 2009.

64. Physics Avoidance and Mixed Level Explanation, PSA Meetings, Pittsburgh, Pa, Nov., 2008.

65. Long Ago, In a Context Far Away, UCLA, Nov. 2008.

66. Five Erskine Lectures, University of Canterbury, August, 2009.

67. What Can We Learn from our Scientific Philosophy Heritage? University of Alabama-Birmingham, Oct, 2009.

68. How Wave Front Found its Truth-Values, Harvard, Feb., 2010. Also: Pitt-CM Graduate Conference, March, 2010; Waterloo Graduate Conference, March 2010; University of Minnesota, April, 2010.

69. Enlarging Ones Stall, Cambridge University, May, 2011, Also: Clermont-Ferrant Mathematical Conference, June, 2011

70. Naturalism and our Computational Place in Nature, University of London, June, 2011; Also: Paris-Diderot, June, 2011

71. Physics Avoidance, Conference on Numerical Methods, Paris, October, 2011.

72. Is There Life in Possible Worlds?, U.C.S.D., May, 2012; Also: Berkeley, May, 2012; Illinois-Chicago, April, 2012; Johns Hopkins University, October, 2012.

73. Comment on Camera Movement, University of Pittsburgh Humanities Center, April 12, 2012.

74. Recording Fiddle Music in the Last Quarter of the Twentieth Century, *Symposium on the Fiddle*, University of North Carolina, January, 2013.

75. The New A Priori Aint Much Better than the Old One, *Workshop on David Chalmers Constructing the World*, The University of Bonn, May, 2013.

76. The Greediness of Scales, Analytic Philosophy Conference (University of Texas, Austin), Dec 2014. Also: University of East Anglia, June, 2014; Eastern APA, Dec 2014; Templeton Foundation Conference (Pittsburgh), Jan 2015; University of Wisconsin-Milwaukee, Feb 2015; University of Coruna (Spain), March 2014; CUNY Graduate Center April 2015.

77. Approximations Hidden Hand University of Western Ontario, May 2015. Also: University of Helsinki, May 2015.

78. Language Design, Lessons from Multi-scalar Modeling, University of Pittsburgh, Oct 2015.

78. Pragmatics Place at the Table, Columbia University, Nov 2015. Also: Pacific APA, March 2016.

79. “When Words Go Wrong,” Inaugural Lecture, University of Pittsburgh Oct, 2016

80. “When Words Go Wrong (and How We Benefit Thereby),” University of South Carolina, Feb 9, 2017.

81. “The Trouble with Billiards,” Center for the Philosophy of Science, University of Pittsburgh April 4, 2017.