Marius Stan

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Appointments

2017 –	Associate professor, Boston College (early tenure)
2017 – 18	ACLS fellow
2012 – 17	Assistant professor, Boston College
2009 – 12	Mellon postdoctoral fellow, Caltech

Degrees

PhD, Philosophy – Johns Hopkins University (2009): with distinction

Areas of research

Early modern philosophy; Kant; history and philosophy of science.

Areas of competence

Metaphysics; ancient philosophy; political philosophy; bioethics.

Books

Philosophy and mechanics in the Age of Reason. [with K. Brading] Oxford University Press (forthcoming).

Kant's natural philosophy. Cambridge University Press (forthcoming).

Edited volumes

Theory, evidence, data. [with Chr. Smeenk] Boston Studies in Philosophy and History of Science, vol. 337. Springer. (forthcoming)

'Mechanics and mixed mathematics.' Part of *Encyclopedia of early modern philosophy and the sciences.* Springer, 2022.

Articles

How physics flew the philosopher's nest. [with Katherine Brading] *Studies in History & Philosophy of Science* 88: 312–20. (2021)

Absolute time: the limit of Kant's idealism. *Noûs* 53: 433–61. (2019)

Emilie du Châtelet's metaphysics. *Journal for the History of Philosophy* 56: 477–496. (2018)

Huygens, inertial structure and relativity. *Philosophy of Science* 83: 277–98. (2016)

Kant and the object of determinate experience. *Philosophers' Imprint* 15. (2015)

Kant's response to Newton: absolute space and the riddle of rotation. *Oxford Studies in Early Modern Philosophy* 7: 257–308. (2015)

Unity for Kant's natural philosophy. *Philosophy of Science* 81: 423–443. (2014)

Kant's philosophy of science. [with Eric Watkins] *Stanford Encyclopedia of Philosophy*, ed. Edward N. Zalta. (2014)

Kant's third law of mechanics: the long shadow of Leibniz. *Studies in History & Philosophy of Science* 44: 493–504. (2013)

Newton and Wolff. *The Southern Journal of Philosophy* 50: 459–81. (2012)

Kant's early theory of motion. *The Leibniz Review* 19: 29–60. (2009)

Chapters

From metaphysical principles to dynamical laws. *Cambridge history of philosophy of the Scientific Revolution*, eds. David M. Miller & Dana Jalobeanu (in press).

Rationalist foundations and the science of force. *Oxford handbook of 18th-century German philosophy*, eds. Brandon Look and Fred Beiser. (to appear)

Euler, Newton, and foundations for mechanics. *Oxford handbook of Newton*, eds. Chris Smeenk and Eric Schliesser. (in press)

Space, construction, and mathematizing motion. *Critical guide to Kant's* Metaphysical Foundations of Natural Science, ed. Bennett McNulty. Cambridge (in press)

Metaphysical foundations of neoclassical mechanics. *Kant and the laws of nature*, eds. Michela Massimi & Angela Breitenbach, 214–34. Cambridge (2017).

Newton's concepts of force among the Leibnizians. *Reading Newton in early modern Europe*, ed. Mordechai Feingold & E.A. Boran, 244–89. Brill (2017).

From general to special metaphysics of nature. [with Bennett McNulty] *The Palgrave Kant handbook*, ed. Matthew Altman, 493–513. (2017)

Kant's philosophy of mechanics in 1758. *Rethinking Kant*: vol. III, ed. Oliver Thorndike, 158–179 (Cambridge, 2011).

Shorter pieces

Time as form. *Kant's fundamental assumptions*, eds. C. Marshall and C. McLear. Oxford. (forthcoming)

Evidence and explanation in Kant's doctrine of laws. *Studi Kantiani*. (in press)

Absolute and relative motion. *Encyclopedia of early modern philosophy and the sciences*, eds. Ch. Wolfe and D. Jalobeanu. Springer. (2020)

Newton and the French: a critical study. *Annals of Science* 76: 347-54. (2019)

Perpetuum mobiles and the world's eternity. *Eternity: the history of a concept*, ed. Y. Melamed, 173-78. Oxford. (2016)

Kant's natural-scientific output. *Metascience* 23: 65-70. (2014)

Kant and Newton. *Metascience* 23: 233-42. (2014)

In preparation

Huygens and Newton. [with C. Smeenk] *Oxford Handbook of Newton*.

Mechanics from Galileo to Lagrange. *History and Philosophy of Science, 1450–1750*. Bloomsbury Press.

D'Alembert. *Stanford Encyclopedia of Philosophy*.

Reviews

A. Janiak, ed. *Space: A History*. *JHP* (2020)

E. Slowik, *The Deep Metaphysics of Space*. Springer, 2016. *BJPS* (2018)

S. Ducheyne, *Newton's Methodology*. *NDPR* (June 2012).

M. Massimi, *Kant & Philosophy of Science Today*. *HOPOS* (2011), 364-7.

P. Hoffman, *Essays on Descartes*. [with G. Manning] *Mind* (2011), 531-4.

Fellowships

ACLS collaborative fellowship, 2017–19. With Katherine Brading (Duke).

Visiting fellow, Max Planck Institute for History of Science, Summer 2011.

Mellon postdoctoral fellow, Rice University, 2012 – 2014 (declined).

Fellow, NEH Seminar *Descartes, Galileo, Hobbes: Philosophy and Science, Politics and Religion in the Scientific Revolution* (Princeton): July 2010.

Recent presentations (* *marks refereed papers*):

Time as a form of sense: receptivity and topology.

Workshop on Kant's Fundamental Assumptions, University of Washington, August 2021.

How physics flew the philosophers' nest. [with Katherine Brading]

Bucharest-Princeton Seminar in Early Modern Philosophy (June 2020).

From metaphysical principles to dynamical laws.

Dept of Logic and Philosophy of Science, UC Irvine (Nov 2019). Dept of Philosophy, Princeton University (April 2019). Division of Humanities, Caltech (April 2019). Conference *Revolutions in Early Modern Philosophy and Science*, Dept of Philosophy, Iowa State University (July 2018)

Space, construction, and mathematizing motion in Kant's Phoronomy.

University of Texas, Austin (March 2019)

The epistemology of Kant's metaphysics of nature.

APA Annual Conference, Central Division, Boulder CO (February 2019)

Absolute time in Kant's idealism.

HOPOS 2016, University of Minnesota (June 2016). * Dept of Philosophy, Brown University (September 2017)

Emilie du Châtelet: between Leibniz and Newton?

Southwest Seminar in Early Modern Philosophy, Reno (February 2017).* Dept of Philosophy, Boston University (July 2016). Dept of Philosophy, Columbia (June 2016). Dept of History and Philosophy of Science, Notre Dame (November 2014)

Huygens on Inertial Structure and Relativity.

Max Planck Institute for History of Science (July 2015). The Early Modern Interest Group, University of Minnesota (April 2015)

Kant and the Object of Classical Physics.

Wing-Chun Memorial Lecture, Towson University (October 2015). Dept. of Philosophy, University of Minnesota (April 2015). Workshop Kant and the Laws of Nature, Cambridge, UK (June 2014). *HOPOS 2014*, Ghent (July 2014)*

Kant, Leibnizian Science, and the Mechanical Philosophy.

'Author Meets Critics' panel on M. Friedman's *Kant's Construction of Nature*, New England Seminar in Early Modern Philosophy, Brown Univ (May 2014).

Unity for Kant's Natural Philosophy.

Philosophy Dept, Harvard (December 2013). Philosophy Dept, University of Toronto (January 2014)

Teaching

Graduate / advanced undergraduate courses:

Boston College: *Kant's First* Critique; *Space & time, Aristotle to Einstein*; *Early-modern natural philosophy*; *The nature of science; Kant's Transcendental Deduction*; *Philosophy, politics, and religion in the Scientific Revolution; Bioethics.*

Caltech: *Early-modern natural philosophy*; *Kant on science and philosophy.*

Undergraduate courses:

Boston College: *History and philosophy of science*, I and II (two semesters, 12 credits); *Perspectives on Western philosophy*, I and II (two semesters, 12 credits).

Caltech: *Knowledge and reality: introduction to metaphysics & epistemology*; *Right and wrong: introduction to ethics.*

Johns Hopkins: *Leibniz & Clarke*; *Political philosophy.*

Service

Referee, *Noûs; Philosophy of Science; Erkenntnis; Journal of the History of Philosophy* (3); *British Journal for the Philosophy of Science* (2); *British Journal for the History of Philosophy* (3); *Philosophers' Imprint*; *Synthese*; *Journal of Philosophical Research*; *Kantian Review*; *Perspectives on Science* (2); *Oxford Studies in Early Modern Philosophy*; *Canadian Journal of Philosophy*; *Foundations of Physics*; *Studies in History and Philosophy of Science* (4); *History of Science*; *Annals of Science* (4); *HOPOS: Journal of the Society for History of Philosophy of Science* (2); *Science and Education.*

Member, Program committee "Kant and Before," *HOPOS 2016: Eleventh Congress of the International Society for History of Philosophy of Science.*

Editor, PhilPapers areas 'Kant: Science, Logic & Mathematics' and 'Chr. Wolff.'

Manuscript referee, Cambridge UP; Oxford UP; MIT Press; Palgrave Macmillan.

Co-founder, *The Early Modern Circle of Southern California.*

Service to the Department:

Member, the Graduate Committee (2016–8). Member, the Undergraduate Committee (2019–). Member, the LaBrecque Endowed Lectures planning committee. Member, Search Committee for junior position in Science and Values.

Graduate proposal and dissertation committees

Dissertation committees:

At Duke University: Michael Veldman (third reader); At the University of Ottawa: Xavier Corsius (second reader, defense in November 2019). At Boston College: Evan Clarke (third reader; defended October 2013); Colin Connors (second reader; defended October 2014); John Enslin, (third reader; defended November 2014).

Proposal committees:

At Boston College: Juan Rivera Castro (admitted to candidacy, May 2019); Nick Westberg (admitted to candidacy, May 2021); Nicholas Porter (admitted to candidacy, September 2019); Vicente Muñoz-Reja (admitted to candidacy, April 2017).

Research languages

German; French; Latin; Italian; Spanish; Ancient Greek.

References

Desmond Hogan, *Princeton.* deshogan@princeton.edu
Jeffrey McDonough, *Harvard.* jkmcdon@fas.harvard.edu
Chris Smeenk, *Western Ontario.* csmeenk2@uwo.ca
Sheldon Smith, *UCLA.* ssmith@humnet.ucla.edu
Eric Watkins, *UC San Diego.* ewatkins@ucsd.edu
Michael Friedman, *Stanford.* mlfriedm@stanford.edu
Katherine Brading, *Duke.* kbrading@duke.edu
Jed Z. Buchwald, *Caltech.* jedbuchwald@icloud.com