Marco Giovanelli

Associate Professor in History of Philosophy

Università di Torino
Dep. of Philosophy and Educational Sciences
Via S. Ottavio 20,
10124 Torino (Italy)

Email: marco.giovanelli@unito.it
ORCID: 0000-0003-1342-6476
University Homepage: https://www.unito.it
Personal Homepage: marco-giovanelli.com

Education and Academic Career

2023 Italian Full Professor Habilitation – 11/C5 (History of Philosophy)

2022: Italian Full Professor Habilitation – 11/C2 (Logic, History and Philosophy of Science)

2020–: Associate Professor – University of Turin

2018: German Full Professor Habilitation at the University of Tübingen

Habilitation Thesis: *'What is Truth?'. Einstein on Rods and Clocks in Relativity Theory*

2017–2019: University of Tübingen - DFG-Research Fellow (Eigene Stelle) - GI945/1-2

2015–: contributing editor-Einstein Paper Project, California Institute of Technology, Pasadena, CA

2015–2016 in Pasadena (Interruption of the DFG Project), currently external collaboration.

2014: Italian Associate Professor Habilitation -11/C5 (History of Philosophy)

2012–2017: University of Tübingen - DFG-Research Fellow (Eigene Stelle) - GI945/1-1

2012: University of Tübingen (Interim Assistant Position)

2010–2012: University of Tübingen (PostDoc Grant - University of Turin/Piedmont Region)

2007–2009: University of Turin (PostDoc Grant - University of Turin/Piedmont Region)

2006: Post-Doc Grant - Universität Tübingen (DAAD)

2001–2005: University of Zurich

Dissertation: *Realtà e Negazione. Il principio kantiano delle Anticipazioni della Percezione nella storia delle sue interpretazioni* (Prof. Helmut Holzhey)

Final grade: Summa cum laude

1994–1999: University of Turin (M.A., Philosophy)

Master-thesis: *August Stadler interprete di Kant* (Prof. Andrea Poma)

Final grade: 110/110 cum laude

Other Grants and Fellowships

2017: Senior Visiting Fellow (Edelstein Center - University of Jerusalem)

2016: Senior Visiting Fellow (Munich Center for Mathematical Philosophy, LMU)

2015–2016: Contributing Editor Einstein Paper Project, Caltech (local residence)

2013–14: Visiting Fellow (Center for Philosophy of Science, University of Pittsburgh)

2010–11: Visiting Fellow (John J. Reilly Center, University of Notre Dame)

2006: German Academic Exchange Service (DAAD) Grant (University of Tübingen)

2001–2002: Research Grant (University of Zurich - Italian Ministry of Foreign Affairs)

1998–1999: Erasmus Exchange Program (University of Bremen)

External Funding Received

2023–2024 PRIN: 20224HXFLY €77.600 - https://www.mur.gov.it

2017-2019: DFG Fellowship (Eigene Stelle) - GI945/1-2 €506.000

2012-2016: DFG Fellowship (Eigene Stelle) - GI945/1-1 €224.000

2007-2012: 2 Post-Doc Positions 50% co-fin. by the Piedmont Region (Italy) (L.R. n. 4/ 2006 art.) €88.000

Service to the Profession and the Community

Reviewer for *British Journal for the History of Philosophy*, *British Journal for the Philosohy of Science*, *Synthese*, *European Journal for Philosophy of Science*, *Oxford University Press*, *Journal for General Philosophy of Science*, *Studies in the History and Philosophy of Science*, *Philosophy of Science*, *HOPOS: The Journal of the International Society for the History of Philosophy of Science*

Organization of an HPS summer school at the University of Tübingen, Forum Scientiarum, now in its sixth year. Invited lecturers: Don Howard (2012), Robert DiSalle (2013), Michel Janssen, with Jürgen Renn (2014); John Norton, with Stephan Hartmann (2015); Guido Bacciagaluppi, with Chris Fuchs (2016); Harvey Brown, with Dennis Lehmkuhl (2017); Thomas Ryckman with Jerome Van Dongen (2018)

Languages

Italian (native speaker); English, German (fluent); French (reading), Latin and ancient Greek (reading)

References

Diana L. Kormos-Buchwald (California Institute of Technology); diana_buchwald@caltech.edu

Michael Heidelberger (University of Tübingen); michael.heidelberger@uni-tuebingen.de

Don Howard (University of Notre Dame); dhoward1@nd.edu

John Norton (University of Pittsburg); jdnorton@pitt.edu

Thomas A. Ryckman (Stanford University); tryckman@stanford.edu

Refereed Papers

Submitted

- **2026d**. "Reichenbach's Axiomatization and the Prehistory of the Dynamical Approach to Special Relativity". *Studies in History and Philosophy of Science*.
- **2026e**. "Is Time Dilation Real? Einstein and the Transverse Doppler Effect". *Synthese*.
- **2025a**. "'Something Entirely Contingent': Hermann Cohen's Already Relativized A Priori". *Kantian Review*.
- **2025b**. "Cassirer and the Arithmetization of Physics". *Perspectives on Science*.
- **2025c**. "Particles and Fields. The Problem of Physical Identity in Marburg Neo-Kantianism". *HOPOS: The Journal of the International Society for the History of Philosophy of Science*.

Forthcoming

- **2026a**. "The Tensor Calculus Knows Physics Better Than the Physicist'. Bachelard on the Role of 'Covariant Differentiation' in Relativity Theory". *Studies in History and Philosophy of Science*.
- **2026b**. "The Past of an Electron: Young Popper's *Gedeankenexperiment* Against the Indeterminacy Relations". *Physics in Perspective*.

Published

- **2025d**. "Parallel Convergences: Cassirer and Vienna Indeterminism". *European Journal for Philosophy of Science* 30. DOI: 10.1007/s13194-025-00659-z.
- **2024b**. "Variability and Substantiality. Kurd Lasswitz, the Marburg School and the Neo-Kantian Historiography of Science". *Studies in History and Philosophy of Science*. DOI: 10.1016/j.shpsa.2024.06.008.
- **2024c**. "The Practice of Principles: Planck's Vision of a Relativistic General Dynamics". *Archive for History of Exact Sciences*. DOI: 10.1007/s00407-024-00326-4.
- **2024d**. "The Philosophical Coming of Age of Science. Euler's Role in Cassirer's Early Philosophy of Space and Time". *Studies in History and Philosophy of Science*. DOI: 10.1016/j.shpsa.2024.09.007.
- **2024e**. "Kurd Lasswitz, the Marburg School, and the Problem of Individuality in Physics". In: *New Perspectives on Neo-Kantianism and the Sciences*. Ed. by Helmut Pulte et al. New York and London: Routledge, pp. 107–125. DOI: 10.4324/9781003412915-8.
- **2023a**. "Cassirer and Energetics: An Investigation of Cassirer's Early Philosophy of Physics". *British Journal for the History of Philosophy*. DOI: 10.1080/09608788.2023.2206854.
- **2023b**. "Coordination, Geometrization, Unification: An Overview of the Reichenbach–Einstein Debate on the Unified Field Theory Program". In: *Philosophers and Einstein's Relativity*. Boston Studies in the Philosophy and History of Science, vol. 342. Ed. by Chiara Russo Krauss and Luigi Laino. Cham: Springer, pp. 139–182. DOI: 10.1007/978-3-031-36498-3_6.
- **2023c**. "Reality and Appearance. Einstein and the Early Debate on Reality of Length Contraction". *European Journal for Philosophy of Science* 13.4. DOI: 10.1007/s13194-023-00555-4.
- **2023d**. "Relativity Theory as a Theory of Principles. A Reading of Cassirer's *Zur Einstein'schen Relativitätstheorie*". *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 13.2, pp. 261–296. DOI: 10.1086/726076.
- **2022a**. "Motivational Kantianism: Cassirer's Late Shift Towards a Regulative Conception of the a Priori". *Studies in History and Philosophy of Science* 95, pp. 118–125. DOI: 10.1016/j.shpsa.2022.08.002.
- **2022b**. "Geometrization vs. Unification. The Reichenbach–Einstein Quarrel about the *Fernparallelismus* Field Theory". *Synthese* 200.3. DOI: 10.1007/s11229-022-03531-2.
- **2021a**. "'Geometrization of Physics' vs. 'Physicalization of Geometry'. The Untranslated Appendix to Reichenbach's *Philosophie der Raum-Zeit-Lehre*". In: *From Philosophy of Nature to Physics. Logical Empiricism and the Natural Sciences*. Ed. by Sebastian Lutz and Ádám Tamas Tuboly. London and New York: Roudlege, pp. 224–261. ISBN: 978-1-138-36735-7.

- **2020a**. "Nothing but Coincidences. The Point-Coincidence Argument and Einstein's Struggle with the Meaning of Coordinates in Physics". *European Journal for the Philosophy of Science* 12.3, pp. 45–64. DOI: 10.1007/s13194-022-00482-w.
- **2020b**. "'Like Thermodynamics before Boltzmann'. On Einstein's Distinction between Constructive and Principle Theories". *Studies in History and Philosophy of Science. Part B: Studies in History and Philosophy of Modern Physics* 71, pp. 118–157. DOI: 10.1016/j.shpsb.2020.02.005.
- **2019** (with Don Howard). "Einstein's Philosophy of Science". In: *Stanford Encyclopedia of Philosophy*. Ed. by Edward N. Zalta. Fall.
- **2018c**. "'Physics Is a Kind of Metaphysics'. Émile Meyerson and Einstein's Late Rationalistic Realism". *European Journal for the Philosophy of Science* 8.3, pp. 783–829. DOI: 10.1007/s13194-018-0211-y.
- **2017b**. "Traditions in Collision. The Emergence of Logical Empiricism Between the Riemannian and Helmholtzian Traditions". *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 7, pp. 328–380. DOI: 10.1086/693424.
- **2016c**. "The Sensation and the Stimulus. Psychophysics and the Prehistory of the Marburg School". *Perspectives on Science* 25.3, pp. 287–323. DOI: 10.1162/POSC_a_00244.
- **2016d**. "'... But I still Can't Get Rid of a Sense of Artificiality': The Einstein-Reichenbach Debate on the Geometrization of the Electromagnetic Field". *Studies in History and Philosophy of Science. Part B: Studies in History and Philosophy of Modern Physics* 54, pp. 35–51. DOI: 10.1016/j.shpsb.2016.04.001.
- **2016e**. "Hermann Cohen's *Das Princip der Infinitesimal-Methode*. The History of an Unsuccessful Book". *Studies in History and Philosophy of Science* 58, pp. 9–23. DOI: 10.1016/j.shpsa.2016.02.002.
- **2015**. "'Das Problem in ein Postulat verwandeln': Cassirer und Einsteins Unterscheidung von konstruktiven und Prinzipien-Theorien". In: *Husserl, Cassirer, Schlick - 'Wissenschaftliche Philosophie' im Spannungsfeld von Phänomenologie, Neukantianismus und logischem Empirismus*. Ed. by Matthias Neuber. Vienna: Springer, pp. 150–175. DOI: 10.1007/978-3-319-26745-6_8.
- **2014b**. "'But One Must Not Legalize the Mentioned Sin. Phenomenological vs. Dynamical Treatments of Rods and Clocks in Einstein's Thought". *Studies in History and Philosophy of Science. Part B: Studies in History and Philosophy of Modern Physics* 48, pp. 20–44. DOI: 10.1016/j.shpsb.2014.08.012.
- **2013a**. "Erich Kretschmann as a Proto-Logical-Empiricist. Adventures and Misadventures of the Point-Coincidence Argument". *Studies in History and Philosophy of Science. Part B: Studies in History and Philosophy of Modern Physics* 44.2, pp. 115–134. DOI: 10.1016/j.shpsb.2012.11.004.
- **2013b**. "Leibniz-Äquivalenz vs. Einstein-Äquivalenz. Was man von der Logisch-Empiristischen (Fehl-)Interpretation des Punkt-Koinzidenz-Arguments lernen kann". *Philosophia Naturalis* 50.1, pp. 115–164. DOI: 10.3196/003180213809359774
- **2013c**. "The Forgotten Tradition. How the Logical Empiricists Missed the Philosophical Significance of the Work of Riemann, Christoffel and Ricci". *Erkenntnis* 78 (6), pp. 1219–1257. DOI: 10.1007/s10670-012-9407-2.
- **2013d**. "Talking at Cross-Purposes. How Einstein and the Logical Empiricists never Agreed on what they were Disagreeing About". *Synthese* 190 (17), pp. 3819–3863. DOI: 10.1007/s11229-012-0229-1.
- **2011c**. "Leibniz, Kant und der moderne Symmetriebegriff". *Kant Studien* 102.4, pp. 422–454. DOI: 10.1515/kant.2011.030.
- **2010**. "Urbild und Abbild. Leibniz, Kant und Hausdorff über das Raumproblem". *Journal for General Philosophy of Science* 41.2, pp. 283–313. DOI: 10.1007/s10838-010-9139-4.
- **2008**. "Kant, Helmholtz, Riemann und der Ursprung der geometrischen Axiome". *Philosophia naturalis* 45 (2), pp. 236–269. DOI: 10.3196/003180209789471263.

Books

Authored Books

- **2011a**. *Reality and Negation - Kant's Principle of Anticipations of Perception. An Investigation of Its Impact on the Post-kantian Debate*. Dordrecht et al.: Springer. ISBN: 978-94-007-0064-2.
- **2003a**. *August Stadler interprete di Kant*. Napoli: Guida. ISBN: 88-7188-594-5.

Edited Books

- **2018a** (with Diana Kormos-Buchwald), eds. *Collected Papers of Albert Einstein*. Princeton: Princeton University Press, pp. 125–155. ISBN: 978-0691-17881-3. Contributing Editor to vol. 15.
- **2017c** (with Anguel Stefanov), eds. *General Relativity 1916–2016*. Proceeding of the Fourth International Conference on the Nature and Ontology of Spacetime. Montreal: Minkowski Institute Press. ISBN: 978-1-927763-46-9.

Other Publications

- **2026c**. "Early philosophical interpretations of special and general relativity". In: *The Routledge Handbook of the History of Philosophy of Science After Kant*. Ed. by Flavia Padovani and Adam Tamas Tuboly.
- **2024a**. "Il 'problema della materia' nella Scuola di Marburgo". In: *Il tempo ritrovato. Scritti per Massimo Ferrari*. Ed. by Giuseppe Guastamacchia. Pisa: ETS, pp. 42–55.
- **2021b**. "Emanuele Cafagna: Kant e la metafisica della forza. Book Review". *Rivista di Filosofia* 112.3, pp. 511–513.
- **2017a**. "Lorentz Contraction vs. Einstein Contraction: Reichenbach and the Philosophical Reception of Miller's Ether-Drift Experiments". In: ed. by Anguel Stefanov and Marco Giovanelli. Montreal: Minkowski Institute Press, pp. 1–31. ISBN: 978-1-927763-46-9.
- **2016a**. "*Gradus realitatis*. Die intensive Größe bei Kant und im Neukantianismus". In: *Intensität und Realität. Systematische Analysen zur Problemgeschichte von on Gradualität, Intensität und quantitativer Differenz in Ontologie und Metaphysik*. Ed. by Thomas Leinkauf and Thomas Kisser. Boston: De Gruyter, pp. 141–170. DOI: 10.1515/9783110345148-010.
- **2016b**. "'Zwei Bedeutungen des Apriori'. Hermann Cohens Unterscheidung zwischen metaphysischem und transzendentalem *a priori* und die Vorgeschichte des Relativierten *a priori*". In: *Philosophie und Wissenschaft bei Hermann Cohen / Philosophy and Science in Hermann Cohen*. Ed. by Christian Damböck. Dordrecht: Springer, pp. 177–203. DOI: 10.1007/978-3-319-58023-4_9.
- **2016f**. "Rev. Jimena Canales, The Physicist and the Philosopher: Einstein, Bergson, and the Debate That Changed Our Understanding of Time". *Isis* 108 (3), pp. 732–733. DOI: 10.1086/693840.
- **2014a**. "Rev. of Neuber, Matthias, Die Grenzen des Revisionismus: Schlick, Cassirer und das Raumproblem". *Journal for General Philosophy of Science* 45.2, pp. 393–401. ISSN: 09254560, 15728587. DOI: 10.1007/s10838-014-9252-x.
- **2007**. "Kants Grundsatz der 'Antizipationen der Wahrnehmung' und seine Bedeutung für die theoretische Philosophie des Marburger Neukantianismus". In: *Kant im Neukantianismus: Fortschritt oder Rückschritt?* Ed. by Marion Heinz and Christian Krijnen. Würzburg: Königshausen und Neumann, pp. 37–55.
- **2005**. "La distinzione kantiana tra 'concetto' e 'intuizione' e il problema della realtä delle 'relazioni'". *Annuario Filosofico* 10, pp. 113–146.
- **2003b**. "Grandezza intensiva e grandezza infinitesimale. Hermann Cohen e il principio kantiano delle Anticipazioni della percezione". *Annuario filosofico* 19, pp. 275–318.