

Scott A. Walter

Office:

UFR Sciences et Techniques
Nantes Université
2 rue de la Houssinière
44322 Nantes, France
☎ +33 (0) 6 20 91 63 54

Home:

15 boulevard de la Louettrie
44300 Nantes, France

e-mail/Internet:

scott.walter@univ-nantes.fr
<https://www.univ-nantes.fr/scott-walter>

POSITIONS

- 2015+ Professor, Faculty of Science and Technology, Nantes University
- 2013–15 Lecturer in Humanities, Sciences Po Paris, Nancy Campus
- 2007–09 CNRS Research Fellow, Henri Poincaré Archives, Nancy
- 1999–15 Assistant to Associate Professor, University of Nancy 2, Department of Philosophy then University of Lorraine
- 1998–99 CNRS & Max-Planck-Gesellschaft Fellow, Max Planck Institute for the History of Science, Berlin
- 1992–95 Predoctoral Fellow, French Ministry of Education and Research
- 1992–93 Lecturer in Computer Science, Schiller International University, Paris
- 1985–88 Staff Research Scientist, Department of Computer Science, General Motors Research Laboratories, Warren, Michigan

ACADEMIC LEADERSHIP

- 2022+ Member of the CNFHPST, the French National Committee on History and Philosophy of Science and Technology
- 2021 Member of the French delegation to the IUHPST/DHST, the International Union of History and Philosophy of Science and Technology/Division of History of Science and Technology
- 2021–26 Member of the National University Council, section 72, Epistemology and History of Science and Technology
- 2020+ Member of the Atlantic Center for Philosophy (CAPHI, EA 7463)
- 2017–22 Steering committee, Research coordination network: Developing an Integrative Approach to Computational and Digital History and Philosophy of Science, National Science Foundation
- 2016–18 Director, François-Viète Center, Nantes–Brest
- 2016–18 Commission for Humanities (SHS) of the Regional Consultative Committee for Research and Technological Development, Loire Region
- 2015–16 Deputy director, François-Viète Center, Nantes–Brest
- 2013–14 Co-director of the international consortium Digital|HPS
- 2011–15 Co-director of the research axis “Archives, corpora, scientific institutions”, Henri-Poincaré Archives (CNRS & U. of Lorraine, UMR 7117)
- 2009–15 Director, Graduate Program in Philosophy and History of Science, University of Lorraine
- 2000–02 Chair, Department of Philosophy, University of Nancy 2

SELECT HONORS, GRANTS, INVITATIONS

- 2022 Universidad Nacional Autónoma de México, Mexico City, Visiting Professor
- 2016 Dibner Library of the History of Science and Technology, National Museum of American History, Washington DC, Resident Scholar
- 2015–19 Research Excellence Award, National Council of Universities
- 2013 Dibner Library Resident Scholar
- 2010–14 Maison des sciences de l’homme Lorraine, PI, Electronic Edition of Mathematical Manuscripts
- 2008–13 Maison des sciences de l’homme Lorraine, PI, Henri Poincaré Correspondence Project
- 2008 Erwin Schrödinger Institute Fellow
- 2007–11 Agence nationale de la recherche, PI, Sources of 20th-century Mathematical Knowledge, Project ANR-06-CORP-0027

SELECT PUBLICATIONS

- 2023 The Poincaré pear and Poincaré–Darwin fission theory in astrophysics, 1885–1901. *Philosophia Scientiæ* 27(3), 2023, 159–187; doi 10.4000/philosophiascientiae.4178
- 2018 Ether and electrons in relativity (1900–1911). In J. Navarro (ed.), *Ether and Modernity*, Oxford: Oxford University Press, 67–87; doi 10.1093/oso/9780198797258.003.0005
- 2018 D. Rowe, T. Sauer and S. A. Walter (eds.), *Beyond Einstein: Perspectives on Geometry, Gravitation, and Cosmology in the Twentieth Century*, New York: Springer; doi 10.1007/978-1-4939-7708-6
- 2016 *La correspondance entre Henri Poincaré, les astronomes, et les géodésiens*, Basel : Birkhäuser, doi 10.1007/978-3-7643-8293-3
- 2014 Poincaré on clocks in motion. *Studies in the History and Philosophy of Modern Physics* 47(1), 131–141; doi 10.1007/978-3-642-41992-8
- 2014 The historical origins of spacetime. In A. Abtekhkar & V. Petkov (eds.), *Springer Handbook of Spacetime*, 27–38; doi doi 10.1007/978-3-642-41992-8
- 2007 *La Correspondance entre Henri Poincaré et les physiciens, chimistes et ingénieurs*. Basel: Birkhäuser, doi: 10.1007/978-3-7643-8303-9
- 2002 *Henri Poincaré Papers* (website), henripoincarepapers.univ-nantes.fr/

DIPLOMAS

- 2009 Habilitation in Letters and Humanities, University of Nancy 2
- 1996 Ph.D. in Epistemology and History of Science, University of Paris 7
- 1992 D.E.A. in Epistemology and History of Science, University of Paris 7
- 1990 Licence in Philosophy, University of Paris 8
- 1985 BS and MS in Mechanical Engineering, Stanford University

SELECT UNIVERSITY SERVICE

- 2018+ Expert, Israel Science Foundation
- 2017–22 Steering Committee, Research coordination network: Developing an Integrative Approach to Computational and Digital History and Philosophy of Science, National Science Foundation
- 2018 Expert, Conseil national des universités, section 72: épistémologie, histoire des sciences
- 2016+ Expert, Ikerbasque Foundation for Science
- 2012+ Expert, Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (Italie)

SELECT COMMUNICATIONS

- 2024-07-09 Closed theories in physics: from Poincaré and Hilbert to Heisenberg, Symposium "Neo-Kantians and scientific revolutions: ruptures and continuities within the neo-Kantian tradition (1860-1940)", HOPOS 2024, 15th Biennial Congress, University of Vienna.
- 2024-06-20 The prehistory, discovery and early impact of Hermann Minkowski's electrodynamics of moving media and spacetime in Göttingen and Paris, International Scientific Conference Dedicated to the 160th Anniversary of Prof. Dr. Hermann Minkowski, Kaunas University of Technology.
- 2022-07-06 Henri Poincaré's discipline of stellar dynamics: star streams and 'la jeunesse des étoiles', Poincaré 2022, Archives Henri Poincaré, Nancy.
- 2022-05-17 The epistemic power of closed theories, Fourth Franco-Mexican Advanced Seminar in the History and Philosophy of Science, Universidad Nacional Autónoma de México, Mexico City.
- 2021-11-19 Solving the triode: the Appleton–van der Pol collaboration, F29: Making and modeling wireless waves, from Hertz to Andronov, Society for the History of Technology–History of Science Society, New Orleans (virtual).
- 2021-07-26 Stars as molecules: Poincaré and von Zeipel on globular clusters and the structure of the Milky Way, Symposium 21: Expanding the range of statistical mechanics, from Poincaré and von Zeipel to Smoluchowski and Fowler, 26th Intl. Cong. of History of Science and Technology, Prague (virtual).

MISCELLANEOUS

Dual national (France/USA, b. Oakland, USA).
Reviewer for *Mathematical Reviews* and *zbMATH*. Book review editor, *Historia Mathematica* (2003–05). Editorial board member of the collections *Documents for the History of Mathematics* and *Histoires de géométries*. Referee for *American Journal of Physics*, *Archive for History of Exact Science*, *Erkenntnis*, *Foundations of Physics*, *International Studies in the Philosophy of Science*, *Isis*, *Journal for General Philosophy of Science*, *Philosophia Scientiæ*, *Physics Essays*, *Science in Context*, *Revue d'histoire des mathématiques*, *Revue d'histoire des sciences*, *Studies in History and Philosophy of Modern Physics*, and *Studies in History and Philosophy of Science*. Reviewer for *Zentralblatt MATH*. Member of the European Society for History of Science, the *Société française d'histoire des sciences et des techniques*, the History of Science Society, and the Society for the History of Technology.