

# Scott A. Walter

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## POSITIONS

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- 2015+ Professor, Faculty of Science and Technology, University of Nantes
- 2013–15 Lecturer in Scientific Humanities, Sciences Po Paris, Nancy Campus
- 2012–15 Associate Professor, University of Lorraine, Department of Philosophy
- 2007–09 CNRS Research Fellow, Henri Poincaré Archives, Nancy
- 2001–12 Associate Professor, University of Nancy 2, Department of Philosophy
- 1999–01 Assistant Professor, University of Nancy 2, Department of Philosophy
- 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

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- 2021–2025 Member (alternate) of the National University Council of France, section 72, Epistemology and History of Science and Technology
- 2021 Member of the French delegation to the IUHPST/DHST (International Union of History and Philosophy of Science and Technology/Division of 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 (CCRRDT), Loire Region
- 2015–16 Deputy director, François-Viète Center, Nantes–Brest
- 2013–2014 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 AND GRANTS

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- 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 (PEDR, CNU, section 72)
- 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

## DIPLOMAS

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- 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 COMMITTEES

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- 2011–12 Henri Poincaré Centennial 1912–2012
- 2008 Beyond Einstein Congress, Johannes-Gutenberg-Univ. Mainz, 2008
- 2004–05 Einstein exhibition, Kronprinzenpalais, Berlin, May–October, 2005

## SELECT UNIVERSITY AND ACADEMIC SERVICE

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- 2017+ Referee, High Council for the Evaluation of Research and Higher Education (HCERES)
- 2017+ Executive Council of the doctoral program Societies, temporalities, territories, Université Bretagne Loire
- 2016–17 Executive Council of the doctoral program 496, Societies, cultures, exchange, Nantes–Angers–Le Mans
- 2016+ Member of the Commission for Humanities (SHS) of the Regional Consultative Committee for Research and Technological Development (CCRRDT), Loire Region
- 2016+ Referee, Ikerbasque Foundation for Science
- 2012+ Referee, Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (Italy)
- 2009–15 Executive Council of the doctoral program “Stanislas”, Univ. Lorraine
- 2007–13 Executive Council, UFR Connaissance de l’homme, Univ. Lorraine
- 2000–15 Executive Council, Henri-Poincaré Archives, Nancy

## DOCTORAL RESEARCH PROJECTS (IN PROGRESS)

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- 2021+ Corentin Fève, The neo-Kantian reception of relativity theory, University of Nantes, ELICC doctoral school
- 2019+ Nadia Tronche, The discovery of Trojan asteroids: astrodynamics and cosmogony in the 20th century, University of Nantes, ELICC doctoral school

## MISCELLANEOUS

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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*, *Chirality*, *Foundations of Physics*, *International Studies in the Philosophy of Science*, *Isis*, *Philosophia Scientiæ*, *Physics Essays*, *Science in Context*, *Revue d'histoire des mathématiques*, *Revue d'histoire des sciences*, and *Studies in History and Philosophy of Modern Physics*. Reviewer for *Zentralblatt MATH*. Member of the European Society for History of Science, the French Society for History of Science and Technology, the French Society for Astronomy & Astrophysics, the History of Science Society, and the Society for the History of Technology.

## PUBLICATIONS

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### PEER-REVIEWED ARTICLES

1. Henri Poincaré's life, science, and life in science. *Historia Mathematica* 44(4), 2017, 423–435; doi 10.1016/j.hm.2017.05.001.
2. Poincaré on clocks in motion. *Studies in History and Philosophy of Modern Physics* 47(1), 2014, 131–141; doi 10.1016/j.shpsb.2014.01.003.
3. Hermann Minkowski's approach to physics. *Mathematische Semesterberichte* 55(2), 2008, 213–235; doi 10.1007/s00591-008-0044-4.
4. La vérité en géométrie : sur le rejet mathématique de la doctrine conventionnaliste. *Philosophia Scientiæ* 2(3), 1997, 103–135.
5. Henri Poincaré's student notebooks, 1870–1878. *Philosophia Scientiæ* 1(4), 1996, 1–17.

### EDITED BOOKS

1. With David Rowe and Tilman Sauer. *Beyond Einstein: Perspectives on Geometry, Gravitation, and Cosmology in the Twentieth Century*. New York: Birkhäuser, 492 p., 2018. ISBN 978-1-4939-7706-2; doi 10.1007/978-1-4939-7708-6.
2. *La Correspondance entre Henri Poincaré, les astronomes, et les géodésiens*. Basel: Birkhäuser, 391 p., 2016; doi 10.1007/978-3-7643-8293-3.
3. *La Correspondance entre Henri Poincaré et les physiciens, chimistes et ingénieurs*. Basel: Birkhäuser, 515 p., 2007. ISBN: 978-3-7643-7136-4; doi 10.1007/978-3-7643-8303-9.

4. With Jeremy Gray. *Henri Poincaré : Trois suppléments sur la découverte des fonctions fuchsienues*. Berlin: Akademie-Verlag, 1997. *Mathematical Reviews* 1998m:01018.

#### BOOK CHAPTERS

1. Describing and understanding the world: from probability and statistics to heat propagation and field theory. Forthcoming in T. Archibald & D.E. Rowe, eds, *Bloomsbury Cultural History of Mathematics, Volume 5: A Cultural History of Mathematics in the Nineteenth Century*, London: Bloomsbury.
2. Poincaré-Week in Göttingen in light of the Hilbert-Poincaré correspondence of 1908–1909. In Maria Teresa Borgato, Erwin Neuenschwander & Irène Passeron, eds, *Mathematical Correspondences and Critical Editions*, Cham: Birkhäuser, 2019, 297–310; doi: 10.1007/978-3-319-73577-1\_15.
3. Figures of light in the early history of relativity (1905–1914). In D. E. Rowe, T. Sauer, and S. A. Walter (eds.), *Beyond Einstein: Perspectives on Geometry, Gravitation, and Cosmology in the Twentieth Century* (Einstein Studies 14). New York: Birkhäuser, 2018, 3–50; doi 10.1007/978-1-4939-7708-6\_1.
4. Ether and electrons in relativity (1900–1911). In J. Navarro, ed, *Ether and Modernity*. Oxford: Oxford University Press, 2018, 67–87; doi 10.1093/oso/9780198797258.003.0005.
5. The historical origins of spacetime. In A. Ashtekar and V. Petkov (eds.), *Springer Handbook of Spacetime*. Berlin: Springer, 2014, 27–38; doi 10.1007/978-3-642-41992-8.
6. Henri Poincaré, theoretical physics and relativity theory in Paris. In K.-H. Schlote and M. Schneider (eds.), *Mathematics Meets Physics*. Frankfurt am Main: Harri Deutsch, 2011, 213–239.
7. Moritz Schlick’s reading of Poincaré’s theory of relativity. In F. O. Engler and M. Iven (eds.), *Moritz Schlick: Ursprünge und Entwicklungen seines Denkens* (Schlickiana 5). Berlin: Parerga Verlag, 2010, 191–203.
8. L’hypothèse naturelle, ou quatre jours dans la vie de Gerhard Heinzmann. In P. E. Bour, M. Rebuschi and L. Rollet (eds.), *Construction: Festschrift for Gerhard Heinzmann*. London: College Publications, 2010, 129–135.
9. Minkowski’s modern world. In V. Petkov (ed.), *Minkowski Spacetime: A Hundred Years Later*. Berlin: Springer, 2010, 43–61; doi 10.1007/978-90-481-3475-5\_2.
10. Hypothesis and convention in Poincaré’s defense of Galilei spacetime. In M. Heidelberger et G. Schiemann (eds.), *The Significance of the Hypothetical in the Natural Sciences*. Berlin: Walter de Gruyter, 2009, 193–219.
11. Henri Poincaré et l’espace-temps conventionnel. In I. Smadja (ed.), *Réalisme et théories physiques* (Cahiers de philosophie de l’Université de Cæn 45). Cæn: Presses universitaires de Cæn, 2008, 87–119.
12. Breaking in the 4-vectors: the four-dimensional movement in gravitation, 1905–1910. In Jürgen Renn and Matthias Schemmel (eds.), *The Genesis of General Relativity*, 4 vols. (Boston Studies in the Philosophy of Science 250), Volume 3, *Gravitation in the Twilight of Classical Physics: Between Mechanics, Field Theory, and Astronomy*. Berlin: Springer, 2007, 193–252.

13. Minkowski, mathematicians, and the mathematical theory of relativity. In Hubert Goenner, Jürgen Renn, Jim Ritter and Tilman Sauer (eds.), *The Expanding Worlds of General Relativity* (Einstein Studies 7). Boston: Birkhäuser, 1999, 45–86.
14. The non-Euclidean style of Minkowskian relativity. In Jeremy Gray (ed.), *The Symbolic Universe: Geometry and Physics, 1890–1930*. Oxford: Oxford University Press, 1999, 91–127. *Mathematical Reviews* 2001g:01032.

#### ARTICLES IN CONGRESS PROCEEDINGS

1. The mathematization of cosmology from Kelvin to Einstein. *Boletim Sociedade Portuguesa de Matemática* N° 76.
2. Describing and understanding the world in the long nineteenth century: from probability and statistics to field theory. *Oberwolfach Reports* 41/2020, 2020, 52–53, doi 10.4171/OWR/2020/41.
3. Mathematical Milky Way models from Kelvin and Kapteyn to Poincaré, Jeans and Einstein. *Oberwolfach Reports* 12(4), 2015, 2081–2082.
4. Discipline and style in relativity theory, 1905–1915. *Oberwolfach Reports* 7(1), 2010.
5. It's only a model: spacetime geometry in the transition from Galilean to relativistic kinematics. *Oberwolfach Reports* 5(2), 2008.
6. Who's a conventionalist? Henri Poincaré's correspondence with physicists. *Oberwolfach Reports* 4(2), 2005.
7. La solution de Kaluza au paradoxe d'Ehrenfest. In Dominique Flament (ed.), *Dimension, dimensions (I)*. Paris: Éditions de la Maison des sciences de l'homme, 1999.
8. Truth in geometry : metrical conventions and Minkowskian relativity. In Dominique Flament (ed.), *Histoires de géométries : textes du séminaire de l'année 1996*, 61–76. Paris: Éditions de la Maison des sciences de l'homme, 1998.
9. The Sonar Ring: obstacle detection for a mobile robot. *Proceedings 1987 IEEE International Conference on Robotics and Automation*, Volume 3, IEEE Robotics and Automation Council (ed.), Washington: Computer Society Press, 1987, 1574–1579; doi 10.1109/ROBOT.1987.1087902.

#### BOOK REVIEWS

1. Claudia E. Graf-Grossmann, Marcel Grossmann: For the Love of Mathematics. *Isis* 111(1), 2020, 194–195.
2. Roberto Lalli, Building the General Relativity and Gravitation Community During the Cold War. *Centaurus* 61, 2020, 451–453; doi 10.1111/1600-0498.12230.
3. Revisiting the Foundations of Relativistic Physics. Edited by Abhay Ashtekar et al. *American Journal of Physics* 72(7), 2004, 974–975; doi 10.1119/1.1761068.
4. Beyond the Einstein Addition Law and the Gyroscopic Thomas Precession, by Abraham A. Ungar. *Foundations of Physics* 32(2), 2002, 327–330.
5. How Maxwell made his mark: Electrodynamics from Ampère to Einstein, by Olivier Darrigol. *Nature* 409, 2001-01-18, 283–284; doi 10.1038/35053149.

6. The Collected Papers of Albert Einstein, Vol. 6. Edited by Anne J. Kox et al. *Revue d'histoire des sciences* 52, 1999, 163–164.

#### NON-SPECIALIST PUBLICATIONS AND TRANSLATIONS

1. L'histoire des sciences pour les robots : les humanités numériques aux Archives Henri Poincaré. *La lettre de l'INSHS*, N° 29, mai 2014.
2. Hermann Minkowski and the scandal of spacetime. *ESI News* (Vienna) 3(1), 2008, 6–8.
3. On the dynamics of the electron, by Henri Poincaré (1906). Translated from the French by Scott A. Walter. In Jürgen Renn and Matthias Schemmel (eds.), *The Genesis of General Relativity, Volume 3, Gravitation in the Twilight of Classical Physics: Between Mechanics, Field Theory, and Astronomy*, 253–271. Berlin: Springer, 2007.
4. Poincaré, Henri. In Noretta Koertge (ed.), *New Dictionary of Scientific Biography*, Vol. 6, 121–125. New York: Scribner's Sons, 2007.
5. Poincaré, Henri. In John Merriman and Jay Winter (eds.), *Europe 1789–1914, Encyclopedia of the Age of Industry and Empire, Volume 4: 1805–1806*. New York: Scribner's Sons, 2006.
6. Henri Poincaré and the theory of relativity. In Jürgen Renn (ed.), *Albert Einstein, Chief Engineer of the Universe: 100 Authors for Einstein*, 162–165. Berlin: Wiley-VCH, 2005.
7. Henri Poincaré und die Relativitätstheorie. In Jürgen Renn (ed.), *Albert Einstein, Ingenieur des Universums: 100 Autoren für Einstein*, 162–165. Berlin: Wiley-VCH, 2005.
8. Éther. In Dominique Lecourt (ed.), *Dictionnaire d'histoire et philosophie des sciences*, 381–384. Paris: Presses universitaires de France, 1999.
9. Interview with René Girard. *Birth of Tragedy*, Power issue, May–July, 1985.

#### DOCUMENTARIES

1. *A la recherche de Henri Poincaré*. Web documentaire de 12 minutes produit par Vidéoscop, réalisé par Philippe Thomine en 2011.
2. With Gerhard Heinzmann. *Le monde est-il mathématique ?* Documentaire de 52 minutes produit par Vidéoscop, réalisé par Philippe Thomine en 2004. N° 4 de la série Sciences et philosophie. Les Amphis de France 5 : Philosophie.

#### MEDIA

1. Letter to the Editor. *Isis* 99(2), 2008, 374; doi 10.1086/588695.
2. *La Bibliographie d'Henri Poincaré*. Publication électronique de la bibliographie de Henri Poincaré (2002) : [henripoincarepapers.univ-nantes.fr/bibliohp/](http://henripoincarepapers.univ-nantes.fr/bibliohp/)
3. *La Correspondance d'Henri Poincaré*. Publication en ligne de la correspondance et des manuscrits divers d'Henri Poincaré, sous forme d'images numérisées, et de transcriptions annotées (2002) : [henripoincarepapers.univ-nantes.fr/corresp/](http://henripoincarepapers.univ-nantes.fr/corresp/)
4. *Henri Poincaré : Les cahiers de jeunesse 1870–1878*. Édition sur microfilm de dix-sept cahiers de jeunesse d'Henri Poincaré avec une notice de synthèse et une table des matières, 1993. Institutions depositaires : SPHERE (UMR 7596), Paris; Archives Henri Poincaré (UMR 7117), Nancy; American Institute of Physics Niels Bohr Library, College Park, Maryland.

## THESIS

Hermann Minkowski et la mathématisation de la théorie de la relativité restreinte, 1905–1915. Université Denis Diderot (Paris 7), 1996.

## INVITED LECTURES

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149. 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 Annual Meeting, New Orleans.
148. 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 International Congress of History of Science and Technology, Prague.
147. 2021-02-05. Stability of spiral nebulae and the origins of modern cosmology, Observing, sensing, detecting: toward a multi-layered picture of the universe from historical and epistemological perspectives, Italian Society for the History of Physics and Astronomy, Naples.
146. 2020-12-18. Response to David Hyder, "The modality of economic science", Panel 10: Philosophy of Economics and Heterodox Economics, International Colloquium "The Positive and the Normative in Economic Thought", University of Paris, Paris.
145. 2020-12-15. Describing and understanding the world in the long nineteenth century, History of Mathematics: A Global Cultural Approach, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach.
144. 2019-12-10. Statistical mechanics and the rise of relativistic cosmology, Empirical space, conceptual space, University of Nantes, Nantes.
143. 2019-07-26. Stargas models of the universe and the rise of statistical astronomy, Cosmic Stories: Astrophysics and the Invention of Cosmology in the Early 20th Century, History of Science Society Annual Meeting, Utrecht.
142. 2019-05-27. Eddington's approach to star-streams and the structure of the universe, Eddington Centennial, IPC/Paris Observatory, Paris.
141. 2018-06-22. Van der Pol and the Van der Pol equation, Mathematics and mathematization of physical theory: historical and conceptual aspects, Johannes-Gutenberg Universität Mainz, Mainz.
140. 2018-05-11. Mathematization of cosmology from Kelvin to Einstein, 31e Séminaire national d'histoire des mathématiques, Escola Superior de Educação de Viseu, Viseu.
139. 2017-11-30. L'épistémologie et l'histoire des sciences et des techniques vues par les robots, Séminaire du Centre François Viète (site de Brest), Université de Bretagne Occidentale, Brest.
138. 2017-11-28. Le destin cosmique d'après Poincaré et Jeans, Séminaire SPHERE, Histoire et philosophie de la physique, Université Paris Diderot, Paris.
137. 2017-11-12. Mathematics and the wireless world, Session "Between utility and discipline in interwar physics", History of Science Society Annual Meeting, Toronto.

136. 2017-11-02. Star streams and collisions: the evolution of the universe in early 20th-century cosmology, Theorizing the End of the World, 3rd International Atlantys Colloquium, Nantes.
135. 2017-07-23. Clock transport, Hertzian waves, and the reality of time dilation, Symposium: The history of measurement, definition and uses of time in science and technology, 25th International Congress of History of Science and Technology, Rio de Janeiro.
134. 2017-03-30. Electron theory, ether, and spacetime, 1904-1919, Ether and modernity, University of the Basque Country, San Sebastian.
133. 2017-01-24. A scholarly online edition of scientific manuscripts: The Henri Poincaré Papers website, Abteilung für Geschichte der Naturwissenschaft und Technik, Universität Stuttgart, Stuttgart.
132. 2016-12-09. The theory of wireless devices, 1906-1922, Interactions of interwar physics workshop, Central European University, Budapest.
131. 2016-11-22. Historical approaches to early wireless technology (1906-1929), History Colloquium, National Museum of American History, Washington DC.
130. 2016-10-14. La sémantisation des objets qui nous échappent: un survol des problématiques, Sémantisation des objets qui nous échappent, Université de Nantes, Nantes.
129. 2016-08-27. Digital projects in French EHST, dIHPS consortium Annual Meeting, University of Oklahoma, Norman.
128. 2016-05-20. Science and technology in Göttingen's golden era: the first Wolfskehl lectures, A richer picture of mathematics: a symposium in honor of Professor David Rowe, Johannes-Gutenberg Universität Mainz, Mainz.
127. 2015-11-23. Poincaré on clocks and radio waves in the ether, Session Sa4, New perspectives on the ether in early twentieth-century physics and art, Annual Meeting, History of Science Society Annual Meeting, San Francisco.
126. 2015-11-12. Les modèles de la structure de l'univers vers 1915, Colloque Cathy Dufour 2015, La relativité générale a 100 ans et alors?, Université de Lorraine, Nancy.
125. 2015-11-04. Les voyages d'Alfred Robb : de l'effet Zeeman à la géométrie optique du mouvement, Séminaire "Histoire de la lumière", SPHERE-GDHSO-CAPHES, Paris.
124. 2015-10-28. Mathematical models of the Milky Way, from Kelvin and Kapteyn to Poincaré, Jeans and Einstein, Workshop on models and visualization in the mathematical and physical sciences, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach.
123. 2015-10-20. Modèles mathématiques de la Voie lactée, de Kelvin et Kapteyn à Poincaré et Jeans, Séminaire d'histoire des mathématiques du Laboratoire de Mathématiques Jean Leray, Université de Nantes, Nantes.
122. 2015-10-12. Scientist-engineers, electron theory, and early wireless technology, Interactions of Interwar Physics: Technology, Instruments and Other Sciences, Cohn Institute, University of Tel Aviv, Tel Aviv.
121. 2015-09-15. Sciences et techniques à l'époque postmoderne : l'histoire de la télégraphie sans fil, Séminaire du Centre François Viète, Université de Nantes, Nantes.



120. 2015-07-06. Radio telemetry and the birth of spacetime conventionalism, Fourth Physics and Philosophy Conference, University of Split, Split.
119. 2015-06-17. L'ordre rationnel contre l'ordre logique au début du XXe siècle : Poincaré lecteur de Cournot, Journées d'étude "La transversalité de la notion d'ordre au XIXe siècle : Sciences, philosophie et art", Université de Nantes, Nantes.
118. 2015-01-27. Essaims d'étoiles et masses gazeuses : Le chemin de Poincaré vers la théorie ergodique, Séminaire du Centre François Viète, Université de Nantes, Nantes.
117. 2014-11-19. Star-streams and the mixing problem: Probabilistic methods in early 20th-century cosmology, 25th Novembertagung in History of Mathematics, Université de Lorraine, Nancy.
116. 2014-09-05. Modeling the space of mathematical invention with the online edition of Poincaré's papers, Symposium on Mathematical correspondences and critical editions, 6th International Conference of the European Society for the History of Science, Lisbon.
115. 2014-09-03. Scholarly annotation with LaTeXML, Annual meeting, Digital HPS Consortium, Université de Lorraine, Nancy.
114. 2014-05-07. Poincaré on clocks in motion, Arbeitsgruppe Geschichte der Mathematik und der Naturwissenschaften, Fachbereich 08 Physik, Mathematik und Informatik, J.-Gutenberg-Universität Mainz, Mainz.
113. 2013-11-29. L'édition critique en ligne : des pratiques en évolution, Usages des sources numériques en histoire des sciences et des techniques, Cité des sciences et de l'industrie, Paris.
112. 2013-11-23. Poincaré's probabilistic approach to planetary physics and cosmology, Interrogating the cosmos with mathematical imaginings and physical intuitions, 1880-1965: Bridging disciplinary and cultural divides, History of Science Society Annual Meeting, Boston.
111. 2013-09-07. Digital HPS in France: An overview, dlHPS Consortium Annual Meeting, Indiana University, Bloomington.
110. 2013-07-22. Poincaré's triple-dip cone: relativity, geodesics, and wireless technology at the World's Fair in Saint Louis, Symposium 107, Poincaré's Méthodes nouvelles de la mécanique céleste in historical context: bridging the frontiers of knowledge in mathematics, astronomy and wireless technology, 1892-1914, 24th International Congress of History of Science, Technology and Medicine, Manchester.
109. 2013-06-14. Poincaré's lectures on the new mechanics: from St. Louis (1904) to Göttingen (1909), Colloquium on the history of modern mathematics and theoretical physics, Fachbereich 08 Physik, Mathematik und Informatik, J.-Gutenberg-Universität Mainz, Mainz.
108. 2013-05-28. Unity of knowledge and crisis in mathematical physics: Poincaré at the World's Fair in Saint-Louis, History Colloquium, National Museum of American History, Washington DC.
107. 2012-11-30. Relativity in France: from Langevin to Poincaré, and back, Colóquios do MAP, Instituto de Matemática e Estatística, Universidade de São Paulo, São Paulo.

106. 2012-11-28. Poincaré, Hertz, and Hertzian waves, Colóquio comemorativo do Centenário da Morte de Henri Poincaré, Instituto nacional de matemática pura e aplicada, Rio de Janeiro.
105. 2012-11-15. Poincaré, Langevin, et le groupe de Lorentz, Séminaire "Science et Société", IUT Nancy-Charlemagne, Université de Lorraine, Nancy.
104. 2012-07-03. Intuition and axiomatics in early 20th-century physics, Project "The physics of principles", Centro de Filosofia das Ciências da Universidade de Lisboa, Lisbon.
103. 2012-05-19. Poincaré's discovery of the Lorentz Group and its upshot for twentieth-century physics, Poincaré Meeting, London Mathematical Society, London.
102. 2012-05-02. Que serait Henri Poincaré sans les archives ?, Séminaire des Archives Henri Poincaré, LHPS–Archives Poincaré (CNRS, UMR 7117), Nancy.
101. 2012-04-10. The discovery of the Lorentz group and its interpretation by Poincaré and Einstein, Conceptual History of Mathematics, Universidade de São Paulo, Ubatuba.
100. 2012-04-09. The sources of Alfred A. Robb's Optical Geometry, Conceptual History of Mathematics, Universidade de São Paulo, Ubatuba.
99. 2012-03-30. La découverte du groupe de Lorentz par Poincaré et ses conséquences en physique théorique, Séminaire d'histoire des mathématiques, Institut Henri Poincaré, Paris.
98. 2012-01-05. Le physicien parfait selon Henri Poincaré, Colloque : Vers une biographie de Henri Poincaré, Maison des sciences de l'homme lorraine, Nancy.
97. 2011-11-15. Le corpus électronique Henri Poincaré et ses enjeux, Séminaire "Le goût de l'", Observatoire de Paris - SYRTE (CNRS/UPMC), Paris.
96. 2011-11-08. Relativity and the true shape of lightwaves from Einstein to Schlick, HPS colloquium. Reilly Center, University of Notre Dame, South Bend.
95. 2011-11-05. Relativity in Cambridge dynamics: the sources of A. A. Robb's Optical Geometry of Motion, Session "How physicists learned to love abstraction, from Helmholtz and Poincaré to Robb, Planck, and Einstein", History of Science Society Annual Meeting, Cleveland.
94. 2011-07-19. Beyond Poincaré and Einstein: A. A. Robb's theory of space and time, 14th Congress on Logic, Methodology, and Philosophy of Science, B3, Historical Aspects in the Philosophy of Science, International Council for Science, DLMPs, Nancy.
93. 2011-04-14. Henri Poincaré Edition Project, HPS Digital Editions Workshop, Einstein Papers Project (Caltech) and Embryo Project (ASU), Pasadena.
92. 2011-01-27. Poincaré and Einstein on lightwaves and the foundation of spacetime physics, Colloquium "Poincaré, philosopher of science: problems and perspectives", Centro de Filosofia das Ciências da Universidade de Lisboa, Lisbon.
91. 2010-12-10. Light-figures as heuristic devices in the early history of relativity, Workshop "Heuristics in physics", Deutsche Physikalische Gesellschaft, FV Geschichte, Physikzentrum, Bad Honnef.

90. 2010-11-18. Scientific correspondance in Belle-Epoque Paris: Henri Poincaré and friends, Session "Scientific Correspondence", 4th European Society for the History of Science Annual Meeting, Barcelona.
89. 2010-06-17. Le projet Poincaré : un survol, Maison des sciences de l'homme lorraine, Nancy.
88. 2010-05-29. German relativity in Belle-Epoque Paris, Colloquium: Poincaré, Hilbert, and the Foundations of Physics, Johannes Gutenberg-Universität Mainz, Mainz.
87. 2010-03-26. L'espace-temps conventionnel et l'atome du temps chez Poincaré, Colloque "Espace et temps", Université Henri Poincaré, Nancy.
86. 2010-03-23. Theoretical physics and relativity in Paris during the Belle Époque, Colloquium "Mathematics meets physics: local and global aspects", Sächsische Akademie der Wissenschaften zu Leipzig.
85. 2010-03-04. Discipline and style in relativity theory, 1905-1915, Workshop "Disciplines and styles in pure mathematics, 1800-2000", Mathematisches Forschungsinstitut Oberwolfach.
84. 2009-11-21. Conventionalism in practice: Einstein and Poincaré on the shape of light-waves, Session "Scientific Conventionalism in Third-Republic France", History of Science Society Annual Meeting, Phoenix.
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