Niccolò Guicciardini Corsi Salviati

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Curriculum vitæ

Current Position

2019-present *Full Professor of History of Science*, Università degli Studi di Milano

Previous Academic Appointments

2007-2018 *Associate Professor of History of Science*, Università degli Studi di Bergamo[1]
2001-2006 *Associate Professor of History of Science*, Università degli Studi di Siena
1992-2001 *Lecturer* (Ricercatore), Università degli Studi di Bologna

Visiting and Research Appointments

2018 *Visiting Fellow*, Peterhouse, Cambridge (UK) (Oct, 1 - Dec, 15)
2018 *Bacon Visiting Professor of History*, California Institute of Technology (Jan, 2 - May, 1)
2014 *Invité étranger*, Observatoire de Paris (January, 1–31 and June, 1–30)
2013 *Gastwissenschaftler*, Bernoulli-Euler-Zentrum (Basel) (Jan-Jun)
2011 *Professeur invité*, Université Paris 7 Denis Diderot (March, 1–31)
2006 *Mellon Visiting Professor*, California Institute of Technology (Sept, 5 - Dec, 20)
2004-5 *Visiting Fellow*, Clare Hall (Cambrige, UK) (1 semester)
2003-2017 *Visiting Professor* (professore a contratto), Università Vita-Salute San Raffaele (Milano)
1995 *Tutor*, Mathematics Department, University of Utrecht (July, 5–25)
1985-7 *Research Assistant*, Middlesex Polytechnic (UK)

[1] Since 2013 holding licences (abilitazioni) for full professor in history of science (M-STO-05) and in history of mathematics (MAT-04)

Education

1992 Laurea=MSc in Physics, Università degli Studi di Milano[2]
1987 PhD in History of Mathematics, Middlesex Polytechnic (UK)[3].
1982 Laurea=MA in Philosophy, Università degli Studi di Milano[4]

Awards & Distinctions

2021 Non-resident Corresponding Fellow of the *Accademia delle Scienze dell'Istituto di Bologna* (Classe di Scienze Morali)
2018 *Francis Bacon Award in the History and Philosophy of Science and Technology*, California Institute of Technology & Francis Bacon Foundation ($ 20,000)
2013 *Selma V. Forkosch Prize* for the best article published in the *Journal of the History of Ideas* in 2013 ($ 500)
2012 *Selezione Giuria Scientifica del Premio Letterario Galileo per la Divulgazione Scientifica*, Comune di Padova (€5,000)
2011 *Fernando Gil International Prize for the Philosophy of Science*, Portuguese Foundation for Science and Technology & Calouste Gulbenkian Foundation (€125,000)
2011-12 *Sarton Medal*, University of Ghent, Belgium
2006 *Section Lecturer*, International Congress of Mathematicians (Madrid)
2005-present *Life Member*, Clare Hall (Cambridge)
2005-present Corresponding (2005-2012) and (on December 7, 2012) elected effective member, *Académie Internationale d'Histoire des Sciences*

Editorships

2010-2015 co-Editor-in-Chief *Historia Mathematica* [with June Barrow-Green (2010, 2011, 2012) and Tom Archibald (2013, 2014, 2015)]
1997-present Editorial Board *Historia Mathematica* (1997–), *Early Science & Medicine* (2004–), *Nuncius* (2005–2016), *Archive for History of Exact Sciences* (2008–2020), *Hopos* (2010–2017), *Archives Internationales d'Histoire des Sciences* (2018–), Member of the *Wissenschaftlicher Beirat* of the Bernoulli-Edition (Basel) (2007-2012)

Refereeing of Books, Articles, Grant Proposals, Appointments (selection)

2016 Member of the Group of Experts in Evaluation (GEV) for the Italian national research assessment (VQR) 2011-2014 (Area 11a)[5]

[2] A 4-year course completed by a dissertation on *Weak neutral currents and the mass of the top quark*.
[3] Awarded by the Council for National Academic Awards. Supervisor: Ivor Grattan-Guinness. External examiner: Eric Aiton. Title: *The development of the Newtonian calculus in 18C Britain*
[4] A 4-year course completed by a dissertation on *The Analytical Society of Cambridge*.
[5] Organized by the Italian Agency for the Evaluation of Universities and Research Institutes (ANVUR).

ongoing **BOOKS**: Cambridge University Press, Princeton University Press, Oxford University Press, Chicago University Press, Harvard University Press, Routledge, Springer, Elsevier, Edinburgh University Press, Penn Press, Brill &c; **PAPERS**: *American Journal of Physics*, *American Mathematical Monthly*, *Annals of Science*, *Centaurus*, *Historia Scientiarum*, *Isis*, *Revue d'Histoire des Mathématiques*, *Studies in History and Philosophy of Science*, *Synthèse*, *Philosophia Scientiae*, *Intellectual History Review*, *Science in Context*, *Filozofia Nauki* (Warsaw), *NTM: Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin*, &c. **GRANTS AND PRIZES**: Mathematisches Forschungsinstitut Oberwolfach, Fonds Wetenschappelijk Onderzoek (FWO), Dutch Research Council (NWO), National Science Foundation (NSF), ERC (European Research Council) Grants, Schweizerische Nationalfonds zur Förderung der wissenschaftlichen Forschung (SNF), Israel Science Foundation (ISF), Memory of the World Program (Unesco), Gerda Henkel Stiftung, Smithsonian Institution, Prix Jeunes Chercheurs Société de philosophie des sciences, Higher School of Economics (Russia), Yad Hanadiv (Israel), Dan David Prize, Neugebauer Prize, Kenneth O. May Prize and Medal, Montucla Prize, Fernando Gil International Prize, &c. **APPOINTMENTS AND FELLOWSHIPS**: University of Minnesota, University of Virginia, Gonville and Caius College (Cambridge), Peterhouse (Cambridge), Fitzwilliam College (Cambridge), Trinity Hall (Cambridge), Collegium Budapest, University of New Mexico, Huntington Library, University of Oxford, Universiteit Gent, Vrije Universiteit Brussel, University of California, Open University, University of British Columbia, Western University (Ontario), Universität Bern, Forschungsinstituts Deutsches Museum, Princeton University, Universidad de los Andes (Colombia), Technion – Israel Institute of Technology (Haifa), Radboud University (Nijmegen), University of King's College and Dalhousie University (Halifax, Canada), St. John's College in Santa Fe, New Mexico., Università Ca' Foscari, Venezia. &c.[6]

Memberships Scientific Societies and Committees

2021-2022 Core Member of the IMU Panel on History of Mathematics for the Program Committee for the *International Congress of Mathematicians 2022*

2020-2021 Member of the sub-committee of the ICHM to choose the recipient of the Kenneth O. May Medal for the history of mathematics

2018-present Member of the Jury of the Fernando Gil International Prize in Philosophy of Science (Portuguese Foundation for Science and Technology & Calouste Gulbenkian Foundation)

2004-2021 Member of the Executive Committee of the *International Commission on the History of Mathematics* (of the Division of History of Science of the IUHPS). Vice-Chair (2017-2021)

2017 Member of the sub-committee of the ICHM to choose the recipient of the Montucla Prize for the history of mathematics

2013-2016 Member of the Otto Neugebauer Prize Committee 2016 of the European Mathematical Society

[6] After the appointment as Full Professore in Milan I was involved, as Chair and member of the committee, in a number of evaluations for positions offered by Italian universities, including my own, ranging from post-doc to full professor.

2013 Member of the sub-committee of the ICHM to choose the recipient of the Montucla Prize for the history of mathematics

2012-2013 Core Member of the IMU Panel on History of Mathematics for the Program Committee for the *International Congress of Mathematicians*, Seoul 2014.

2011-2013 Nominations and elections committee, *International Society for the History of Philosophy of Science* HOPOS

2009 Member of the sub-committee of the ICHM to choose the recipient of the Kenneth O. May Medal for the history of mathematics

Conference Organization (Selection)

2018 7^{th} Bacon Conference, *Anachronism(s) in the History of Mathematics*, organized by the Division of the Humanities and Social Sciences at the California Institute of Technology with the support of the Francis Bacon Foundation, Pasadena, April 13–14, 2018

2014 Scientific committee *Third International Conference on the History and Education of Modern Mathematics*, Zhejiang University of Science and Technology, Hangzhou (China), September 20-25, 2014

2010 Organizer (with Richard T. W. Arthur) of the international workshop "On the Contested Expanding Rôle of Applied Mathematics from the Renaissance to the Enlightenment", Centro De Giorgi, Scuola Normale Superiore, Pisa, September 13-16, 2010

2009 Organizer "The Relations Between History and Philosophy of Science", International workshop, Bergamo (Italy), May 20-22, 2009 [Proceeding published in *The Monist*]

2005 Organizer (with Tinne Hoff Kjeldsen and David E. Rowe) of the meeting "Mathematics in the Physical Sciences, 1650-2000" at the *Mathematisches Forschungsinstitut*, Oberwolfach (Germany), December 11-17, 2005

Administrative duties at the State University (Milan)

2019 Member of the Commissione di valutazione classi stipendiali

2019-2022 Member of the Commissione paritetica docenti studenti

2019-2023 Member of the Giunta della Scuola di Dottorato in Filosofia e Scienze dell'Uomo

2023-present Doctoral Programmes Coordinator

Teaching

1992-present Courses taught at the Universities of Bologna, Siena, Bergamo, San Raffaele (Milan), State University (Milan)

1. Cosmology and astronomy from Copernicus to Galilei
2. History of the exact sciences from Galilei to Newton
3. Conceptions of mathematics and mathematical practice from Galilei to Kant

4. The sciences and philosophy during the Enlightenment
5. A history of electromagnetism
6. An introduction to the philosophy of quantum mechanics
7. A history of the conceptions of time and space from Newton to Einstein
8. An introduction to propositional and predicate logic
9. History of mathematical thought
10. Philosophical issues in the historiography of science
11. Philosophy of science

2006 & 2011 Courses taught as Visiting Professor at *Caltech* and at the *Université Paris 7 Denis Diderot*

1. Geometry, mechanics and natural philosophy in 17th and 18th centuries
2. The mathematization of natural philosophy in 17th- and 18th- Century Europe.
3. Isaac Newton and the scientific revolution

2003-2006 Member of the collegio docenti of the "Dottorato in storia della scienza delle Università toscane"

2009-2013 Member of the collegio docenti of the "Scuola di Dottorato in Filosofia" of the University of Turin

2013-2018 Member of the collegio docenti of the "Consorzio di Dottorato in Filosofia del Nord Ovest"

2019-present Member of the collegio docenti of the Scuola di Dottorato in Filosofia e Scienze dell'Uomo (State University, Milan)

Supervision (selection)

1. external examiner (correlatore), Laura Gobbi, *L'ipotesi del neutrino nel carteggio Pauli (1929-1934)*, master thesis, Dipartimento di Fisica, Università di Bologna, 1994 (prize for the best thesis in history of physics awarded by Accademia dei Lincei).

2. external examiner (correlatore), Paolo Palmieri, *Re-examining Galileo's theory of tides*, master thesis, Dipartimento di Filosofia, Università di Bologna (published in *Archive for History of Exact Sciences* (1998) 53, 223-375).

3. director of J. B. Shank's (University of Minnesota) research in the context of a NSF professional development scholarship at the Dipartimento di Filosofia e Scienze Sociali, Siena (full academic year 2005—6)

4. supervisor, Valentina Fabbri, *La cosmologia di William Herschel (1738-1822): dalla scoperta di Urano alla storia naturale dei cieli*, PhD thesis, Dottorato in storia della scienza delle università toscane, 2006

5. advisor (full academic year 2014-2015) of Yoshimi Takuwa's work for a PhD thesis on Newton's optical experiments at the Tokyo Institute of Technology

6. coorientador of Luiz Felipe Sigwalt de Miranda, *Estilo e prática matemática: Estudo das primeiras soluções do problema da braquistócrona*, PhD thesis, Universidade Federal do Paraná (2018)

7. supervisor, Sebastián Molina Betancur, *"No hay reino que no sea newtoniano": José Celestino Mutis and the appropriation of Newton's experimental physics in New Granada (1762-1804)*, PhD thesis, Dottorato in Filosofia del Nord Ovest (FINO) (awarded December 2018). Winner of the prize (2.000€) for the best FINO dissertation of the XXXI cycle (November 14, 2019). (Doctoral thesis published in 2023 by Palgrave Macmillan in the series Palgrave Studies in the History of Science and Technology).

Doctoral theses: committee member (rapporteur)

1. Lucio Molinari, *Descartes: sémantique et mécanique de la lumière*, Université Paris I Panthéon-Sorbonne, Università degli Studi di Bologna, 9 December 2009

2. Committee various candidates, Istituto Italiano di Scienze Umane (SUM), Bologna, 20 giugno 2012

3. Alessio Rocci, *La storia della Gravità Quantistica dalla nascita della Relatività Generale al secondo dopoguerra (1915-1945)*, Università degli Studi di Padova, 6 November 2015

4. Viktor Blåsjö, *Transcendental Curves in the Leibnizian Calculus*, Universiteit Utrecht, 22 February 2016

5. Thierry Joffredo, *Approches biographiques de l'Introduction à l'analyse des lignes courbes algébriques de Gabriel Cramer*, Nancy, 1 December 2017

6. Jip van Besouw, 1 *Out of Newton's shadow: an examination of Willem Jacob's Gravesande's scientific methodology*, Vrije Universiteit Brussel, 22 December 2017

7. Ricardo Batista do Santos, *O Nascimento da Ciência Eampírico-Matemática: Um Estudio sobre o programa metodológico dos Principia de Isaac Newton*, Universidade Federal do Paraná (2018), February 2021

8. Yannick Van den Abbeel, *Historical and philosophical perspectives on the development of mechanics and gravitational physics from Newton to Lagrange and Laplace*, Vrije Universiteit Brussel, February 2021

9. Ivan Malara, *Galileo Creation and Cosmogony: A Study on the Interplay between Galileo's Science of Motion and the Creation Theme*, Dottorato in Filosofia e Scienze dell'Uomo (State University, Milan), June 2021

10. Olivier Bruneau, rapporteur Habilitation à Diriger des Recherches (Univesrité de Lorraine), March 2022

11. Kevin Baker, *Negotiating the Principia: the failure of Newton's arguments to persuade his readers, 1684–94*, DPhil (Oxford), September 2022

12. Lucia Bucciarelli, *Spreading the word: Practices of discipleship in early modern natural philosophy*, DPhil (Oxford), June 2023

13. Sébastien Maronne, rapporteur Habilitation à Diriger des Recherches (Université de Toulouse III), 2024

Plenary and Named Lectures

2021.5.18 "Nuove prospettive della storiografia newtoniana: il punto di vista di uno storico della matematica", Lectio Commandiniana, Università degli Studi di Urbino

2018.4.13 "Un Altro Presente: On the Historical Interpretation of Mathematical Texts," Pasadena [Key-note speech, Francis Bacon Award in the History and Philosophy of Science and Technology, California Institute of Technology & Francis Bacon Foundation]

2018.4.5 "Interpreting Newton," Westfall Lecture, Indiana University, Bloomington

2015.10.9 Invited speaker at the Masterclass on Isaac Newton's Philosophical Projects, Institute for Research in the Humanities, University of Bucharest

2015.9.19 "Reading the *Principia* with the help of Newton", Invited Special Lecture Speaker at the London Mathematical Society/European Mathematical Society Mathematical Meeting (University of Birmingham)

2012.4.17 "Incontro con l'autore Premio Letterario Galileo per la Divulgazione Scientifica", Planetario di Padova [Lecture Premio Galileo]

2012.3.20 " 'Specious algebra is fit enough to find out, but entirely unfit to consign to writing and commit to posterity' ": Newton's publication strategies as a mathematical author", Centro de Filosofia das Ciências, University of Lisbon [Gil Prize Lecture]

2012.3.19 "The Philosophy of mathematics and mathematical practice: the case of Isaac Newton's conceptions of mathematical certainty and method", Calouste Gulbenkian Foundation, Lisbon [Gil Prize Acceptance Lecture]

2012.3.15 " 'Specious algebra is fit enough to find out, but entirely unfit to consign to writing and commit to posterity': Newton's publication strategies as a mathematical author", University of Ghent [Sarton Medal Lecture]

2006.8.26 "Method versus calculus in Newton's criticisms of Descartes and Leibniz", *International Congress of Mathematicians*, Madrid [Invited Section Lecture]

Conference Papers and Talks (yyyy.mm.dd) — last 15 years

2023.5.15	Paris Cité
2023.2.10-11	Bloomington, Indiana
2023.1.17-19	Paris, Académie des sciences, Centre Koyré, Paris Cité
2022.10.19-21	Nicolaus Copernicus University, Toruń, Poland
2022.5.15	Birkbeck College, London
2020-2022	During the pandemic quite a number of webminars. Selection: Dehli, Tokyo, Indore, Prague, Dharamshala, Urbino, Oberwolfach, Amsterdam, Trento, Napoli, Bloomington, Warburg Institute, Gouveia (Portugal)
2019.12.10	Université de Nantes
2019.8.1	Maynooth University (Ireland)
2019.6.12	Queen's University, Belfast
2019.2.23	Queen's College, Oxford
2018.11.12	HPS Cambridge (UK)
2018.7.27	Iowa State University
2018.7.13	Dipartimento di Matematica, Università di Ferrara
2018.5.17	Dipartimento di Matematica, Università degli Studi di Milano
2018.4.13	California Institute of Technology (Pasadena)
2018.3.26	Claremont College (California)
2017.11.26	The Cohn Institute, Tel Aviv
2017.11.14	*Séminaire Équipe SPHERE*, Paris 7 Diderot
2017.2.5	Early Modern Intellectual History Seminar, All Souls, Oxford
2017.1.5	AMS/MAA Joint Meetings, Atlanta (USA)

2016.12.15 Accademia delle Scienze di Torino

2016.12.1 Dipartimento di Matematica, Università degli Studi di Milano

2016.10.13 Accademia di Belle Arti Tadini, Lovere

2016.7.6 Vrije Universiteit, Brussels

2016.4.14 The Open University, Milton Keynes

2016.4.9 The Queen's College, Oxford

2016.3.3 Bergische Universität, Wuppertal

2016.2.22 Universiteit Utrecht

2015.11.12 Collegio Ghislieri, Pavia

2015.11.9 Dipartimento di Fisica, Università di Padova

2015.6.24 Dipartimento di ingegneria strutturale e geotecnica, Università di Roma, Sapienza

2015.5.29 Dipartimento di Matematica, Università degli Studi di Milano

2015.5.27 Observatoire de Paris

2015.5.26 *Séminaire Équipe SPHERE*, Paris 7 Diderot

2014.11.25 Observatoire de Paris

2014.10.10 Huntington Library (CA)

2014.10.6 Observatoire de Paris

2014.9.22 Zhejiang University of Science and Technology, Hangzhou (China)

2014.9.11 Open University, Milton Keynes (UK)

2014.2.20 Scuola di Ingegneria e di Architettura, Università di Bologna

2014.1.24 Université Pierre-et-Marie-Curie (Paris VI)

2013.12.13 Royal Society, London (UK)

2013.11.28 Dipartimento di Fisica e Astronomia, Università degli Studi di Padova

2013.10.25 University of King's College, Halifax (Canada), 24–26 October 2013

2013.7.22 24th International Congress of History of Science, Technology and Medicine, Manchester

2013.4.17 Institut für Philosophie, Universität Bern, Switzerland

2012.11.19 Ramjas College, University of Delhi

2012.6.15 Museo di Storia della Scienza, Firenze

2012.6.14 Institut für Philosophie, Institut Wiener Kreis, Universität Wien

2012.5.18 Northwest University, Xi'an (China)

2012.4.3 Observatoire de Paris

2012.1.5 *AMS-MAA Joint Meetings*, Boston

2011.12.15 All Souls College, Oxford

2011.11.9 Søminestationen, Denmark

2011.11.8 University of Copenhagen

2011.10.14 Vitry-le-François

2011.3.14 *Laboratoire SPHERE*, Paris 7 Diderot

2011.1.7 *AMS-MAA Joint Meetings*, New Orleans, LA

2010.12.16 All Souls College, Oxford

2010.9.15 *Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore*, Pisa

2010.4.28 *Fondazione Teatro Comunale di Bologna*

2010.4.13 Jesus College, Oxford

2010.3.24 *Museo della Matematica, Il Giardino di Archimede*, Firenze

2010.1.14 *Dipartimento di Matematica dell'Università di Torino*

2009.12.3 *Institut für Mathematik, Gutenberg Universität*, Mainz

2009.10.22 *Dipartimento di Matematica, Università degli Studi di Milano*

2009.4.21 *Department of Mathematics, Copenhagen University*

2009.4.20 *Institut for Videnskabsstudier*, *Aarhus University*

2009.4.6 *Dipartimento di Filosofia*, *Università degli Studi di Torino*

2009.3.20 *Scuola Normale Superiore*, Pisa

2009.1.30 *Institute for Advanced and Basic Sciences*, Zanjan (Iran)

2008.12.17 *All Souls College*, Oxford

2008.7.8 *Centro De Giorgi (Scuola Normale Superiore)*, Pisa

2008.3.27 *Radboud University*, Nijmegen.

2008.1.7 *Annual AMS-MAA Meetings*, San Diego, California

2007.9.26 *Annual Meeting of the Austrian Physical Society*, Krems (Austria)

2007.6.18 *The Van Leer Institute*, Jerusalem

2007.5.22 *California Institute of Technology*, Pasadena (USA)

2007.3.7 *Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore*, Pisa

2007.3.6 *Museo della Matematica, Il Giardino di Archimede*, Firenze

2007.2.23 *1st Annual Colloquium of the Iranian Institute of Philosophy*, Teheran, IRAN

2006.12. 8 *California Institute of Technology*, Pasadena (USA)

2006.12.1 *University of Minnesota*, Minneapolis (USA)

2006.6.16 *HOPOS 2006: 6th International History of Philosophy of Science Congress*, Paris

2006.2.20 *Mathematisches Forschungsinstitut*, Oberwolfach (Germania)

2005.11.26 *Centro di Ricerca Matematica Ennio De Giorgi della Scuola Normale Superiore*, Pisa

2004.11.23 *Newton Institute*, Cambridge, UK

2003.1.7 *Mathematisches Forschungsinstitut*, Oberwolfach (Germania)

Niccolò Guicciardini Corsi Salviati

Publications

Monographs

2009 *Isaac Newton on Mathematical Certainty and Method*, MIT Press[7]

1999 *Reading the Principia: the Debate on Newton's Mathematical Methods for Natural Philosophy from 1687 to 1736*, Cambridge University Press

1989 *The Development of Newtonian Calculus in Britain, 1700-1800*, Cambridge University Press

Textbooks

2011 *Newton*, Carocci (second ed. 2021 in the series *Frecce*)[8]
A shortened and updated English version of this brief intellectual biography published as *Isaac Newton and Natural Philosophy* (London, Reaktion Books, 2018). Chinese translation to appear for Dook Media Group, Beijing.

2007 *Fisica Quantistica: una Introduzione*, Carocci (with Gianluca Introzzi)

1998 *Newton: un Filosofo della Natura e il Sistema del Mondo*, Le Scienze (this is an introduction to Newton's *Principia* accessible to the general reader, published as a special issue of the Italian edition of *Scientific American* → translations in German, Dutch, French, Portuguese, Spanish)

Lectures

2018 "Un Altro Presente: on the historical interpretation of mathematical texts," *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, 33:3, pp. 148-165
[Bacon Prize Key-note speech delivered on April 13, 2018 at the California Institute of Technology, Pasadena]

2014 *The philosophy of mathematics and mathematical practice: the case of Isaac Newton's conceptions of mathematical certainty and method*. Lisbon: Fundação Calouste Gulbenkian, Fundação para a Ciência e Tecnologia (ISBN: 978-972-31-1511-69)
[Fernando Gil Prize Lecture delivered on March 19, 2012 at the Gulbenkian Foundation, Lisbon]

[7] *Gil Prize* presented by Portuguese Foundation for Science and Technology & Calouste Gulbenkian Foundation, €125,000

[8] *Selezione Giuria Scientifica Premio Galileo per la Divulgazione Scientifica - anno 2012*, presented by Comune di Padova, €5,000

2012 "'Specious algebra is fit enough to find out, but entirely unfit to consign to writing and commit to posterity': Newton's publication strategies as a mathematical author", *Sartoniana*, 25, pp. 161–78
[Sarton Medal Lecture delivered on March 15, 2012 at Ghent Univesrity]

2006 "Method versus Calculus in Newton's criticisms of Descartes and Leibniz", in *Proceedings of the International Congress of Mathematicians, Madrid, August 22-30 2006*, European Mathematical Society, Zürich, vol. 3, pp. 1719-42
[Invited section lecture delivered on August 26, 2006 in Madrid]

Edited Volumes and Special Journal Issues

2021 *Anachronisms in the History of Mathematics: Essays on the Historical Interpretation of Mathematical Texts*, Proceedings of the Bacon Conference held at Caltech, Pasadena, April 13–14, 2018, Cambridge University Press

2020 with Franco Giudice, "The reception of Galileo in England and Scotland during the long Seventeenth Century", special issue, *Galilæana*, XVII, pp. 1-192

2014 *Historia Mathematica: Four Decades of Excellence in the History of Mathematics*, Elsevier [with Tom Archibald]

2010 "Philosophical History of Science", *The Monist* 93:4

2005 Co-editor (with Ivor Grattan-Guinness (editor), Roger Cooke, Leo Corry, Pierre Crépel (co-editors)), *Landmark Writings in Western Mathematics, 1640-1940*, Elsevier

2005 "Open Forum: Newton vs. Hooke on Gravitation," *Early Science and Medicine* 10

Articles in Peer-Reviewed Journals[9]

2022 "Newtonian Absolute Time vs Fluxional Time", *Almagest: International Journal for the History of Scientific Ideas*, 13, pp. 69-83.

2022† "On Newton's Mathematical Writings: Disciplinary Boundaries and Circulation", *Historia Scientiarum*, 32 (1), pp. 5–16.

2022† "The variety of readings of Archimedes in the scienti!c revolution: Leibniz vs. Newton", *Interdisciplinary Science Reviews*, 47, pp. 376-390.

2022 "David Gregory's manuscript 'Isaaci Neutoni Methodus Fluxionum' (1694): a study on the early publication of Newton's discoveries on calculus", *Notes and Records of the Royal Society*, 76, pp. 541-564.

[9] Classificati in fascia A, con eccezioni segnate con †.

2021 with Antonio Giorgilli, "La legge gravitazionale dell'inverso del quadrato nei *Principia* di Newton, *Rendiconti dell'Istituto Lombardo di Scienze e Lettere. Classe di Scienze Matematiche e Naturali*, 155, pp. 1-27 (online 3 November 2021).

2021 "Lessons for the Historian of Newtonian Mathematics", *Early Science and Medicine*, 26, pp. 124-135.

2020† "On the invisibility and impact of Robert Hooke's theory of gravitation", *Open Philosophy*, 3, pp. 266–282.

2018† "Un Altro Presente: on the historical interpretation of mathematical texts", *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, 33(3), pp. 148–165

2018† "Newton the Mathematician", *Newsletter of the London Mathematical Society*, 477 – July 2018, pp. 16–21

2017 "The publication of Newton's *Opera Omnia* in Geneva and Lausanne (1739-1761): a chapter in the reception of Newtonianism ", *History of Science*, 55(4), pp. 457–489

2016 "Lost in translation? Reading Newton on inverse-cube trajectories", *Archive for History of Exact Sciences*, 70(2), pp. 205–241

2015 "Editing Newton in Geneva and Rome: The Annotated Edition of the *Principia* by Calandrini, Le Seur, and Jacquier", *Annals of Science*, 72(3), pp. 337–380

2015 "In Memoriam: Ivor Grattan-Guinness (June 23, 1941–December 12, 2014)", *Historia Mathematica* 42(4), pp. 385–406 (with Joseph W. Dauben, Albert C. Lewis, Karen Hunger Parshall, Adrian C. Rice)

2014 "Digitizing Isaac Newton", essay review of *The Newton Project*, directed by Robert Iliffe, William R. Newman, and Stephen Snobelen, *Isis*, 105(2), pp. 403–409

2013 Essay Review of William L. Harper, *Isaac Newton's Scientific Method: Turning Data into Evidence about Gravity & Cosmology* (2011) and Steffen Ducheyne, *The Main Business of Natural Philosophy: Isaac Newton's Natural–Philosophical Methodology* (2012), in *Perspectives on Science*, 21(4), pp. 463–81

2013 "The Role of Musical Analogies in Newton's Optical and Cosmological Work", *Journal of the History of Ideas*, 74(1), pp. 45–67 (*Selma V. Forkosch Prize* for 2013). Reprinted in Massimo Mazzotti (ed.), *The History of Science: Critical Concepts in Historical Studies*, London: Routledge, 2020, vol. IV, pp.

2012 "Newton o la Morte di un Eretico", *Rivista di Storia della Filosofia*, 67(1), pp.131–40

2012† "Open issues in the new historiography of European early modern mathematics", *Ganita Bhāratī, Bulletin of the Indian Society for History of Mathematics* 34 (No.1-2), pp. 25-34

2012 "John Wallis as Editor of Newton's Mathematical Work", *Notes and Records of the Royal Society* 66(1), pp. 3–17

2009 "In Memoriam: Derek Thomas Whiteside (1932–2008)", *Historia Mathematica* 36, pp. 4-9

2005 "Reconsidering the Hooke-Newton Debate on Gravitation: Recent Results", *Early Science and Medicine* 10, pp. 510-18

2004 "Dot-Age: Newton's Mathematical Legacy in the Eighteenth Century", *Early Science and Medicine* 9(3), pp.218-56

2004 "Isaac Newton and the Publication of his Mathematical Manuscripts", *Studies in History and Philosophy of Science* 35(3), pp. 455-70

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