

Rob Iliffe 教授简介



英国萨塞克斯大学 (University of Sussex) 科学史和思想史教授。

1990 年剑桥大学博士毕业, 先后在伦敦大学学院 (University College London) 和帝国理工学院 (Imperial College London) 任教, 2007 年迄今在萨塞克斯大学工作, 其间于 2012-2013 年任加州理工学院 (Caltech) Searle 讲席教授。

曾任多个知名学术刊物的编辑或编委, 包括 *History of Science* (2002-2008)、*Notes and Records of the Royal Society* (2000-2006)、*Nuncius and Isis* (2004, 2008)、*Canadian Journal of History and Annals of Science* (2001)。

专著有 *A Very Short Introduction to Newton*, (Oxford University Press 2007) (《牛顿新传》, 南京译林出版社, 2009)、*Priest of Nature: the Religious Worlds of Isaac Newton* (Oxford University Press 2014) (《牛顿的宗教世界》) 等。

主编 *Science and Literature, 1660-1834*, vols. 6-7: Astronomy (London: Pickering, 2004) (《科学与文学》第 6-7 卷)、*Newton Biographies, 1700-1900*, vl: the Eighteenth Century Texts (London: Pickering, 2007) (《牛顿传记种种 1700-1900》)、*The Cambridge Companion to Newton*, 2nd ed., (Cambridge, CUP 2014) (《剑桥牛顿指南》) 等。发表思想史、科技史论文 40 余篇。

Iliffe 教授是国际知名牛顿研究专家。1998 年以来, 一直主持英国牛顿项目 (the Newton Project)。该项目是受英国艺术与人文研究委员会 (AHRC)、英国皇家学会等机构支持的一个以全面实现牛顿文献数字化为目标的大型跨国合作项目。

CURRICULUM VITAE

Rob Iliffe

POSITION Professor of Intellectual History and History of Science, University of Sussex
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PREVIOUS 2012-3 Searle Professor of History, Caltech
POSITIONS 2012-3 Huntington Library Long-Term Fellow

 2012 Visiting Professor, HSS, Caltech
2012 Kanner Fellow of British Studies, William Andrews Clark Library
2011 Short-term Fellow, Huntington Library, San Marino, CA

 2003-06 Reader in History of Science, Imperial College London
 2000-03 Senior Lecturer in History of Science, Imperial College London
 1995-99: Governors' Lecturer in History of Science, Imperial College
1994-95: Lecturer in the History of Medicine, Wellcome Institute/ UCL.
 1992-94: Research Fellow in History of Material Culture, IHR, University
 of London
 1991-92: NEH Fellow, Center for C17 and C18 Studies, UCLA
 1990-91: NEH Fellow, William Andrews Clark Memorial Library.
 1989-90: Lecturer in HPS, Imperial College London

EDUCATION Ph.D. Cambridge University 1990
 M.Phil. History and Philosophy of Science, Cambridge University 1985
 B.A. Philosophy of Science, Leeds University (First Class) 1984

1. PRINT PUBLICATIONS

(1a) Book-length works authored

(with John Young) *A Catalogue of Isaac Newton's Papers* (2001),
(<http://www.newtonproject.sussex.ac.uk/catalogue/newton.htm>)
A Very Short Introduction to Newton, (Oxford University Press 2007)
Priest of Nature: the Religious Worlds of Isaac Newton (Oxford University Press 2015)

(1b) Edited collections

Science and Literature, 1660-1834, vol. 6: Astronomy (London: Pickering, 2004), 438pp
Science and Literature, 1660-1834, vol. 7: Natural philosophy (London: Pickering, 2004),
421pp
Newton Biographies, 1700-1900, vol. 1: the Eighteenth Century Texts (London: Pickering,
2007)

(with I.B. Cohen, and G. Smith) *The Cambridge Companion to Newton*, 2nd ed., (Cambridge, CUP 2013).

(with A. Hadfield and B. Cummings), *Newton and Milton: The Two Cultures in Seventeenth century England*, (Cambridge, CUP 2013)

(1c) Contributions to books edited by others

1. Iliffe, R., "'Making a Shew': apocalyptic hermeneutics and anti-idolatry in the work of Isaac Newton and Henry More," in *The Books of Nature and Scripture: Recent essays on Natural Philosophy, Theology and Biblical Criticism in the Netherlands of Spinoza's Time and the British Isles of Newton's Time*, R. Popkin and J. Force eds, (Dordrecht) 1994; 55-88
2. Iliffe, R., "'Is He Like Other Men?' The meaning of the *Principia* and the author as idol," in *Literature, Culture and Society in the Stuart Restoration*, G. Maclean ed., (Cambridge: CUP) 1995, 159-78
3. Iliffe, R., "Working Bodies: Protestantism, the productive individual and the politics of idleness," in *Wellsprings of Achievement: Cultural and Economic Dynamics in Early Modern England and Japan*, P. Gouk ed., (Aldershot: Variorum) 1995, 135-58
4. Iliffe, R., "Jesus Nazarene Legislator: Adam Boreel's defence of Christianity," in *Heterodoxy, Spinozism and Free Thought in Early Eighteenth Century Europe*, S. Berti, F. Charles-Daubert and R. Popkin, eds, (Kluwer: Amsterdam) 1996, 375-96
5. Iliffe, R., "'Author-Mongering': the 'editor' between the author and reader in the late seventeenth and early eighteenth century," in *Consumption and Culture in the Eighteenth Century, vol. 3, Word and Image*, A. Bermingham and J. Brewer eds, (London: Routledge) 1996, 166-92
6. Iliffe, R. (and Willmoth, F.), "Domestic science: Margaret Flamsteed and Caroline Herschel as assistant-astronomers," in *Women, Science and Medicine, 1500-1700*, L. Hutton and S. Hutton eds, (London: Alan Sutton) 1997, 335-65
7. Iliffe, R., "Mathematical Characters: Flamsteed and Christ's Hospital Royal Mathematical School," in *Flamsteed's Stars: New approaches to the work of the first Astronomer Royal*, F. Willmoth ed., (Woodbridge, Suffolk: Boydell Press) 1997, 115-44
8. Iliffe, R., "'A connected system': The snare of a beautiful hand and the unity of Newton's archive," in *Archives of the Scientific Revolution*, M. Hunter ed., (Woodbridge, Suffolk: Boydell Press) 1998, 137-57
9. Iliffe, R., "Isaac Newton. Lucatello Professor of Mathematics," in *Science Incarnate: Historical Embodiments of Natural Knowledge*, C. Lawrence and S. Shapin eds, (Chicago: University of Chicago Press) 1998, 121-155
10. Iliffe, R., "Lying wonders and juggling tricks: nature and imposture in early modern England," in *Everything Connects: In Conference with Richard H. Popkin. Essays in his Honor*, J. Force and D. Katz eds., (Leiden: E.J. Brill.) 1998, 183-210
11. Iliffe, R., "'Those whose buisness it is to cavill': Newton's anti-Catholicism," in *Studies in Newton's Theology*, J. Force and R.H. Popkin eds. (Kluwer: Amsterdam), 1999, 97-119
- 12/13 Iliffe, R., "Science and expeditions" and "Philosophies of science," in *The Cambridge History of Eighteenth Century Science*, R. Porter ed., (Cambridge: CUP,) 2003, 303-23 and 703-34
14. Iliffe, R., "'Butter for parsnips': authorship, audience and the incomprehensibility of the *Principia*," in *Scientific Authorship: Credit and Intellectual property in Science*, M. Biagioli and P. Galison, eds, (London) 2003, 33-66
15. Iliffe, R., "Newton as Lucasian Professor," in *Lucasian Professors from Newton to Hawking*, K. Knox and R. Noakes, eds (Cambridge: CUP,) 2003, 69-134
16. Iliffe, R., "Prosecuting Athanasius: protestant forensics and the mirrors of persecution," in J. Force and S. Hutton, eds, *Recent Newtonian Research*, (Kluwer),

2004, 167-211

17. Iliffe, R., "Digitizing Isaac," in J. Force and S. Hutton, eds, *Recent Newtonian Research*, (Kluwer), 2004, 43-72
18. Iliffe, R., "Persecution complexes: the historiography of Newton's science and religion" in J. Brooke and E. Ihsanoglu, eds, *Religious values and the Rise of Science in Europe*, (Istanbul 2005), 167-84
19. Iliffe, R., "The powers of demonstration: Richard Simon, Isaac Newton, John Locke and the Johannine comma," in A. Hessayon and N. Keene, eds, *Radical Religion and Society in Early modern England*, (Aldershot 2006), 77-110
20. Iliffe, R., "Capital, science and culture in early modern London," in *Expertise in the City, 1500-1900*, ed. Christelle Rabier, (London, 2007), 88-120
21. Iliffe, R. "The Italian correspondents of Henry Oldenburg," in M. Beretta et al, eds, *The Accademia del Cimento and its European Context*, (SHP, 2009), 127-61
22. Iliffe, R. "Meteorologies and extravagant speculations': the future legends of early modern natural philosophy," in A. Brady and E. Butterworth eds, *The Uses of the Future in early Modern Europe*, (Routledge 2009), 192-228
23. Iliffe, R. "Hartlib's world" in M. Davies and J. Galloway eds, *London and Beyond: Essays in honour of Derek Keene*, (London, IHR Publications 2012), 99-118
24. Iliffe, R. "Servant of two masters? Fatio de Duillier, Isaac Newton and Christiaan Huygens" in E. Jorink and A. Maas, eds, *Newton in the Netherlands: How Newton's ideas entered the Continent*, (Amsterdam, 2012)
25. Iliffe, R. "Newtonian biographies" in S. Mandelbrote and H. Pulte eds, *The Reception of Newton in Eighteenth Century Europe*, 3 vols (2015), vol. 3.
26. Iliffe, R. "Newton's religion" in I.B. Cohen, R. Iliffe and Smith eds, *The Cambridge Companion to Newton*, 2nd ed., (Cambridge 2015)
27. Iliffe R. "Galvanic humans," in *The Uses of Humans in Scientific Experiments*, ed. L. Stewart (Brill, 2015)

(1d) Refereed Papers in Journals

1. Iliffe, R., "'In the Warehouse': Privacy, property and priority in the early Royal Society," History of Science, **30**, (1992), 29-62
- 2 Iliffe, R., "'Aplatisseur de la Terre et des Cassini': Maupertuis, Precision-Measurement and the Expedition to Lapland in the 1730s," History of Science, **31**, (1993); 335-375
- 3 Iliffe, R., "'Ce que Newton connut sans sortir de chez lui': la mesure de la figure de la terre en France, 1700-1750," Histoire et Mesure, **4**, (1995), 1-41
- 4 Iliffe, R., "Theory and experiment in Anglo-Saxon and French history of science," Revue Européenne d'histoire, **2**, (1995), 65-80
- 5 Iliffe, R., "'Material doubts': Robert Hooke, artisanal culture and the exchange of information in 1670s London," British Journal for the History of Science, **28**, (1995), 285-318
- 6 Iliffe, R., "Isaac Newton and the political physiology of self," Medical History, **39**, (1995), 433-58
- 7 Iliffe, R., "Boyle's industry," History of Science, **35** (1997), 455-84
- 8 Iliffe, R., "Rational artistry," History of Science, **36** (1998), 329-57
- 9 Iliffe, R., "'Foreign bodies', Part One: English natural philosophers in Europe," Canadian Journal of History, **52** (1998), 467-490
- 10 Iliffe, R., "'Foreign bodies', Part Two: Foreigners and the making of the early Royal Society," Canadian Journal of History, **53** (1999), 23-50
- 11 Iliffe, R., "The masculine birth of time: temporal frameworks of early modern natural philosophy," British Journal for History of Science, **33**, (2000),

12. Iliffe, R., "Abstract considerations: disciplines, audiences and the incoherence of Newton's natural philosophy," Studies in the History and Philosophy of Science, 36 (2004), 21-48
13. Iliffe, R. "The evolving role of technicians' in Notes and Records of the Royal Society, 62 (2008), 1-21 (of which I was the Guest Editor).

2. THE NEWTON PROJECT

Since 1998 I have been Editorial Director and Director of the Newton Project (www.newtonproject.sussex.ac.uk) -- an international undertaking to publish a critical online edition of all of Newton's writings. The Newton Project has published online all of Newton's published and unpublished personal and religious papers, amounting to about 5 million words, and is in the process of publishing online transcriptions of all of Newton's scientific and mathematical papers.

More broadly, in conjunction with the University of Indiana 'Chymistry of Isaac Newton' project (which is creating a companion online edition of Newton's alchemical papers), we aim to publish online by the end of 2022 everything that Newton ever composed, resulting in a dataset of over 10 million words of Newton's published and unpublished writings. All the materials will be made freely available in a fully searchable edition, with commentaries, numerous ancillary resources (such as lists of the books he owned and a bibliography of secondary readings), and accompanying images of the original texts.

In December 1998 I made a successful application to the AHRB for £332,000 (FeC equivalent £547k) to create XML encoded transcriptions of Newton's religious and alchemical papers. We hired three staff in the autumn of 1999 and in 2003 were able to take on two more members of staff. Since 1999 the Newton Project has employed 12 full-time transcribers and computing scientists, along with over 20 part-time transcribers. Fully diplomatic transcriptions are available alongside so-called normalized versions, in which deletions are removed and additions inserted so as to produce a 'clean' text. Translations of all significant Latin and Greek texts were made available in 2013, and colour images of the originals included for comparison.

Between January 1999 and November 2004 I was Director of the AHRB Newton Manuscript Project (NMP) at Imperial College London. I coordinated both technical and content-based activities in order to produce the coherent site that is visible now, a task that involves personnel management, fund-raising, negotiating copyright, writing introductions to online texts and collections and supervising the development of compatible websites elsewhere. In November 2004 the project was awarded £521k (FEC equiv. £868k) by the AHRC in the Research Grants scheme, in order to complete the online publication of Newton's theological papers by January 2010 under the heading of the Newton Theological Papers Project. In February 2011 the project was awarded a further £307k by the AHRC to complete its mission by the end of 2013. I have continued to design and manage all of these undertakings.

In July 2001 the European Union awarded the Newton Project 40% of a €190k (£150k) total, to work in and to co-ordinate a series of digital library projects in Europe under the heading of the Cultural Heritage Language Technologies Project (CHLT). From January 2002 I became PI of the European side of the collaboration. In November 2006 we were awarded a further sum by the Royal Society to create a Web-based edition of the drafts and published versions of Newton's

‘Queries’, which was completed in 2008.

In the summer of 2009 the Newton Project was awarded £190k by the UK Joint Information Systems Committee (JISC) to transcribe all of Newton’s published scientific writings, to make available printed popularisations of Newtonian science, and also to film recreated eighteenth century public lectures in natural philosophy. The site is available as www.enlighteningscience.sussex.ac.uk. In February 2011 the project was awarded £188k by JISC to put online transcriptions of Newton’s foundational mathematical writings alongside colour facsimiles of original mss to be provided by Cambridge University Library. This project, entitled ‘Windows on Genius’ (which involved four full-time and three part-time members of staff), was successfully completed in July 2012 (<http://cudl.lib.cam.ac.uk/collections/newton>) although post-JISC funding, we are continuing to cooperate on this project with Cambridge. The number of unique visits (as opposed to robot-generated ‘hits’) to the Newton Project over the last five years has increased dramatically, and now stands at over 2 million per year.

We are currently seeking funding to continue the transcription of Newton’s scientific and mathematical writings; to harmonise these resources with the personal religious papers on the Newton Project site, his correspondence, and the materials available on the partner ‘Chymistry of Isaac Newton’ site based at Indiana University; to develop new tools for displaying and explaining his scientific and mathematical work for modern audiences; and to create a critical edition of the Newton’s financial work accomplished while he was Warden and then Master of the Mint (1696-1727).

3. PROFESSIONAL AND ADMINISTRATIVE ACTIVITIES

Editorial Roles

I was editor of the A-ranked journal *History of Science* between 2002 and 2008. I was advisory editor of *Notes and Records of the Royal Society* between 2000 and 2006, and was Guest Editor of the ‘Technicians’ special issue in March 2008. In the summer of 2001 I joined the editorial boards of *Canadian Journal of History* and *Annals of Science*, and became co-editor of *Annals* (A-ranked) with Trevor Levere in the summer of 2010. I joined the editorial boards of *Nuncius* and *Isis* in 2004 and 2008 respectively. I am on the editorial board of a number of digital projects at other universities.

Professional roles

I was one of two assessors for History and Philosophy of Science for the 2008 UK Research Assessment Exercise. In 2011 I was international member of the Canadian SSHRC application review committee for history and am currently chair of the history review section of the Finnish Academy of Sciences.

University Posts

At Imperial College I was variously Examinations Officer and Admissions Tutor on the London Centre (CHOSTM) MSc course, and was then Convenor (2004-5) for the entire program. At Sussex I was Convenor of the first year of history and also Admissions Tutor in 2009-11, resuming the position in 2014. I was chair of the Ethics Committee for Humanities and Social Sciences in 2010-11 and represented the academic body of the university on both the Library Development Board (2009-11) and the Information Technology Strategy Board (2008-11).

External Examiner

I have been external examiner for over 20 PhD theses since 1996. Between 2004 and 2008 I was external examiner for the MPhil. History and Philosophy of Science program at Cambridge University, and from 2006 to 2010 I was external examiner for the Open University History of Science BA program.

Media appearances

I have written many popular articles in books, encyclopedias, magazines and online outlets. I have also been on a number of radio and TV programs, usually to talk about science and religion, or the life and work of Newton. I was featured on the program 'Horizon' on BBC2 at the end of April 2013.

4. TEACHING

I have extensive teaching experience at UG and PG levels.

(i) At the Wellcome Institute for the History of Medicine I taught medical students courses on the history of early modern medicine, and on Colonial and Tropical Medicine 1800-1960.

(ii) At Imperial College London I delivered UG courses to STEM students on the history of geology 1780-1980; the Scientific Revolution; the philosophy and sociology of science; the history of political thought from Plato to NATO; and the history of science and technology, 1789-1945. I taught PG courses on historical interactions between Science and Religion, sociology of science and the Scientific Revolution. At Caltech I in 2013) I gave courses to Years 2-4 on Science and Literature 1750-1950, and on the Scientific Revolution.

(iii) At Sussex I have taught Year 2 students courses on the Glorious Revolution; the Enlightenment; the Environmental History of the US 1820-1980; and the life sciences in the nineteenth and twentieth centuries. I have also given two final year (Year 3) Special Subject courses on interactions between eco-catastrophist science fiction and eco-apocalyptic discourse; and the second concerned competing notions of finite and infinite resources from 1800 to 1990; based on this I am currently giving a course on Malthusianism since 1800. I also designed and taught half of the first semester introductory course for students at Sussex that covers global history (capitalism, slavery, science) from 1500 to 1750. Finally, I have delivered PG courses for the Intellectual History MA on Science and Religion and Religion and Enlightenment.

I have supervised the MSc/MA/MPhil dissertations of about 90 students over the last fifteen years. As part of the London Centre for History of Science, Technology and Medicine MSc I designed and taught a graduate course on the development of science between 1500 and 1800, and contributed to a number of other courses on the history of technology and the history of medicine. On the MA program at Sussex I have given courses on the history of science and have contributed to courses on Social and Political Thought (lectures on major figures in the 20th century hermeneutical tradition), history of science and intellectual history.

I have also supervised to completion 15 PhD theses in the same period. Currently I have 5 PhD students at Sussex. The subjects studied by successful PhD candidates have included both general and more technical topics in the history of science and medicine, such as: British medicine in China 1840-1910; the astronomical work of James Bradley, Third Astronomer Royal; the career

of Thomas Willis, 1648-75; the nineteenth century creation of the reputation of Isaac Newton; the evolution of European naval architecture, 1600-1800; natural philosophy and heresy trials in Italy, 1400-1600; Protestantism and the English ghost, 1520-1720; oneirocriticism, religion and culture in England, 1450-1700; and science and religion in the early work of Isaac Newton. Current topics being studied by my PhD students include the idea of nature in eighteenth century stadial theory; the transmission of ideas about utopia in early modern Europe; and Chinese attitudes towards science and religion, 1860-1940.