Full Listing of Academic Sessions

Please arrive early to ensure that you secure a seat, as some sessions may be over-subscribed.

Thursday 2 July
Opening plenary lecture
17.00–18.30
Faraday Lecture Theatre

"The Day the BAAS went to Swansea: 1848 and All That"
Iwan Morus (Aberystwyth University)

Friday 3 July
Academic session 1
09.00–10.30

Early Modern Science
Faraday C

Chair: John Henry (University of Edinburgh)

“The cosmographic mystery of Johannes Kepler's *Mysterium cosmographicum* (1596).”
*Adam Mosley (Swansea University)*

“The early modern *Stammbuch* as the book of common scientific discourse.”
*Maria Avxentevskaya (Freie Universität Berlin)*

"Leibniz's mathematico-ontological method: transfiguring the infinite into the finite."
*Audrey Borowski (University College London)*

Evolution and Darwinism
Faraday D

Chair: Peter Bowler (Queen’s University, Belfast)

"Disability, inheritance and evolution: Medieval observation and nineteenth-century speculation."
*Irina Metzler (Independent scholar)*

"Robert Swinhoe and his role in Darwin’s and Hooker's China correspondence networks."
*Hongjin Liu (University of Leeds)*

"Darwinism immigrates to America: a transnational social history of ideas."
*Adam R. Shapiro (Birkbeck, London)*
Science and the Tories
Faraday Lecture Theatre

Chair: Colin Hempstead (Independent scholar)

“Forgotten modernisers: science, technology and the Conservatives 1960-64.”
Stuart Butler (University of Manchester)

“Contracting science advice: from Next Steps to Realising our Potential – the
influence of the Rothschild Report on government and policy making in the
Thatcher and Major years.”
Miles Parker (University of Cambridge)

“And you call yourself technology-neutral! Technology agnosticism,
telecommunications, and the powers that be.”
Advait Deshpande (Independent scholar)

Global Science
Faraday E

Chair: James Poskett (University of Cambridge)

“Enlightenment ethnobotany: plants, print and practice in the late-eighteenth-
century Pacific.”
Geoff Bil (University of British Columbia)

“Constructing Japanese science: Ishinpô and the history of Sino-Japanese
medicine.”
Mujeeb Khan (University of Cambridge)

“East is East and West is West: Directors and directions of science museums in
the 1920s.”
Jia-Ou Song (University of Manchester)

Biography as History of Science – The Case of Statisticians, c. 1860-1960 (Part I)
Faraday G

Organiser: Jochen F. Mayer (Technische Universität Darmstadt)

Chair and Commentator: Heinrich Hartmann (University of Basel)

“Collective biographies – the BBI database – biographical background
information.”
Wolfgang Karl Härdle (Humboldt-Universität zu Berlin, Singapore Management
University), Chen Huang (Humboldt-Universität zu Berlin), Alla Petukhina
(Humboldt-Universität zu Berlin), Annette B. Vogt (Humboldt-Universität zu
Berlin, Max Planck Institute for the History of Science Berlin)

“Biography, prosopography, field analysis, and the advent of the modern Italian
statistician (1900-1945).”
Jean-Guy Prévost (Université du Québec à Montréal)

“Canadian statisticians: 1860-1960.”
Jean-Pierre Beaud (Université du Québec à Montréal)

Friday 3 July
Academic session 2
11.00–13.00
[N.B. Wikipedia Edit-a-thon runs until 16.00]

Biography as History of Science – The Case of Statisticians, c. 1860-1960 (Part II)

Faraday G

Organiser: Jochen F. Mayer (Technische Universität Darmstadt)
Chair and Commentator: Heinrich Hartmann (University of Basel)

“‘The cruel contrast between what exists in society and what ought to exist’: Hendrick Quack, a statistical life in 19th-century Netherlands.”
Ida Stamhuis (Vrije Universiteit, Amsterdam)

“Measuring the uncountable? Paul Flaskämper and the reinterpretation of statistics in Germany, c. 1910-1955.”
Jochen F. Mayer (Technische Universität Darmstadt)

Lecturing and Science Education

Faraday C

Chair: Frank James (Royal Institution)

“Scientific lectures in nineteenth-century Manchester: constructing civic identity and professional science in the industrial city.”
Sarah Hanks (St Catherine’s College, Oxford)

“A family business: Walker’s Eidouranion, and the rise and decline of private astronomy lecturing in Britain, 1780-1860.”
Hsiang-Fu Huang (University College London)

“Science education, clear thinking, and the problem of transfer.”
Michelle Hoffman (American University of Central Asia)

“Composed engineers: Frank Aydelotte, composition training and the liberal education of engineers in early twentieth-century America.”
Don Leggett (Nazarbayev University)

Audible Matters: Hearing Technologies through the Twentieth Century

Faraday Lecture Theatre

Chair: Karen Sayer (Leeds Trinity University)
“Normalizing hearing: an audacious history of the audiometer.”
Graeme Gooday (University of Leeds)

“Ringing the changes: the construction of deafness in the telephone system.”
Coreen McGuire (University of Leeds)

“Telephonic technocracy: tracing connections between telephony, hearing aids and deafness in the mid-twentieth century.”
Sean McNally (University of Leeds)

“Control, comfort, consistency: the development of in-ear monitoring systems for on-stage performance.”
Annie Jamieson (University of Leeds)

**Developing New Techniques in the Sciences: Instruments, Maps, and Methods**

*Faraday D*

Chair: Rebekah Higgitt (University of Kent)

“Causal cartographies: maps and the investigation of yellow fever and Burkitt’s lymphoma in Uganda, 1936-1979.”
Julia Cummiskey (Johns Hopkins University)

“The mobilisation of modernity: instruments in the construction of exploration.”
Jane Wess (University of Edinburgh)

“Methods and discovery: Hevesy's adventures in radioisotope research.”
Karin Tybjerg (University of Copenhagen)

**Technology and Invention**

*Faraday E*

Chair: Ben Marsden (University of Aberdeen)

“Technoscience, crime and Crippen in early 20th-century Britain.”
Alison Adam (Sheffield Hallam University)

“Of spirits and streetcars: the Mandalay electric tram-way through the eyes of a Burmese nat.”
Allegra Giovine (University of Pennsylvania)

“The nationalised telegraphs in Ireland, 1870-1912.”
Adrian James Kirwan (National University of Ireland)

“Industrial 'property': law and the culture of invention in Greece, 1900-1940.”
Stathis Arapostathis (University of Athens)

**Friday 3 July**

*Academic session 3*

14.00–16.00
New Techniques in the Biological Sciences

Chair: Amanda Rees (University of York)

“‘Tipping the balance’: Karl Friedrich Meyer, scientific networks, and the birth of disease ecology.”
Mark Honigsbaum (Queen Mary University of London)

“‘Theoretically elegant, but technically demanding’: Somatic hybridisation and biotechnology, 1960-1995.”
Matthew Holmes (University of Leeds)

“The history of ancient DNA research is a history of celebrity science.”
Elizabeth Jones (University College London)

“Giving a face to our ancestors: an historical approach to facial reconstruction.”
Abigail Nieves Delgado (National Autonomous University of Mexico)

Using Oral Histories

Chair: Charlotte Sleigh (University of Kent)

“Exploring diversity in British science: challenges and opportunities.”
Sally Horrocks (University of Leicester) [in collaboration with Paul Merchant (National Life Stories)]

"Retiring to a life of science: examining scientists’ accounts of retirement from the British Library's 'An Oral History of British Science'."
Ruth Wainman (University of Kent)

"Fraud or science? Women chemists in communist Romania."
Luciana-Marioara Jinga (Institute for the Investigation of Communist Crimes and the Memory of Romanian Exile, Bucharest)

“Public inquiries, architecture, open days, and a train crash: the Central Electricity Generating Board and the public relations of nuclear power in Britain.”
Tom Lean (British Library)

International Science

Chair: Ida Stamhuis (Free University of Amsterdam)

"Crowd-sourced science in the nineteenth century: Eleanor Ormerod's Injurious Insects."
Berris Charnley (University of Oxford)
Arik Clausner (University of St Andrews)

“Geophysics, the Geological Survey and scientific internationalism in the 1920s.”
Katherine Anderson (York University, Canada)

"Alternative frontiers: oceans, space, and the politics of exploration in the 1960s."
Sam Robinson (University of Manchester)

Historicising Humans in Nineteenth-Century British Sciences
Faraday G

Chair: Gregory Radick (University of Leeds)

“Contemporaries of the cave bear and the woolly rhinoceros: historicising prehistoric humans and extinct beasts, 1830-1900.”
Chris Manias (University of Manchester)

“Edward Burnett Tylor and the evolution of religion: historicising religious belief in nineteenth-century British anthropology.”
Efram Sera-Shriar (York University, Canada)

“’The Bible and the geologists are agreed’: the historicisation of humans in John William Dawson’s Archaia.”
Nanna Katrine Lüders Kaalund (York University, Canada)

"Historicising the future in Victorian evolutionary narratives."
Ian Hesketh (University of Queensland)

Pathways to Impact (Round Table)
Faraday D

Organiser: Aileen Fyfe (University of St Andrews)

Chair: Sally Shuttleworth (St Anne’s College, Oxford)
Participants:
Aileen Fyfe (University of St Andrews)
Julie McDougall-Waters (University of St Andrews)
Katherine McAlpine (National Maritime Museum)
Stephanie Snow (University of Manchester)

Friday 3 July
16.30–18.00

Prize Giving Ceremony for the Pickstone Prize and the Dingle Prize
Faraday Lecture Theatre
Friday 3 July
19.00–19.45

Guest Lecture (courtesy of Technologies of Daily Life in Ancient Greece): Mike Edmunds (Cardiff University), on the Antikythera Mechanism

Saturday 4 July
Academic session 4
09.00–10.30

Physics and Mathematics in the Age of Newton
Faraday C

Chair: Adam Mosley (Swansea University)

“The Royal Mathematical School of Christ’s Hospital, 1673-1703.”
Jason Grier (York University, Canada)

“Newton’s pursuit of making homogeneous light.”
Yoshimi Takuwa (Tokyo Institute of Technology)

Biology, Culture, and Ancestry in the Post-Genomic Era
Faraday Lecture Theatre

Organiser: Jon Røyne Kyllingstad (Norwegian Museum of Science and Technology)

Chair: tbc

“Cultures, ethnic groups and populations in Scandinavian prehistory.”
Jon Røyne Kyllingstad (Norwegian Museum of Science and Technology)

“Who are the Greeks? Rethinking biology, culture, and ancestry in the post-genomic era.”
Ageliki Lefkaditou (University of Leeds/University of Oslo)

“Past transgressions and future consequences: the responsibilities engendered by a conceptual scheme”
Hallvard Fossheim (University of Bergen)

Periodicals and Science
Faraday E

Chair: Aileen Fyfe (University of St Andrews)

“Henry Burdett, The Hospital and the ‘Semi-Medical’ Journal.”
Sally Frampton (University of Oxford)

“Participating in Victorian science through the illustrated periodical.”
Geoffrey Belknap (University of Leicester)

“Capturing enthusiasms: *Scientific American* and the shaping of amateur scientists.”

Sean Johnston (University of Glasgow)

Industry, Memory, Locality: Sites, Spaces and Communities in Industrial History and Heritage Interpretation

*Faraday G*

Organiser: James Sumner (University of Manchester)

Chair: tbc

“Interpreting a space of industrial heritage: Liverpool Road Station and the Museum of Science and Industry.”

James Sumner (University of Manchester) [in collaboration with Erin Beeston (University of Manchester)]

“Archives, augmented reality and the industrial heritage of steel towns: Middlesbrough and Port Talbot compared.”

Tosh Warwick (HLF Tees Transporter Bridge Visitor Experience Project) and Louise Miskell (Swansea University)

“The local history of ICT: aims, methods and case studies.”

John V. Tucker (Swansea University)

Meet the Editors (Round Table)

*Faraday D*

Chair: Jennifer Rampling (Princeton University)

Participants:

* Jon Agar (Editor of BJHS Themes)*
* Don Leggett (Book Reviews Editor, BJHS)*
* Ben Marsden (Editor of Notes and Records: The Royal Society Journal of the History of Science)*
* Greg Radick (Editor of Studies in History and Philosophy of Biological and Biomedical Sciences)*
* Charlotte Sleigh (Editor of BJHS)*
* Jia-Ou Song (BSHS Web Editor)*
* Ida Stamhuis (Editor of Centaurus)*
* Alice White (Editor of Viewpoint)*

Saturday 4 July

Academic session 5

11.00–13.00

The Politics of Psychology
Faraday C

Chair: Alice White (University of Kent)

"'Even the most hopeless may learn in the end': conditioning reflexes in Interwar Britain."
Oliver Hill-Andrews (University of Sussex)

"Shall we collaborate and if so, with whom? Economics and psychology during the early years of the Behavioral Sciences Movement, 1950-56."
Catherine Herfeld (Munich Center for Mathematical Philosophy)

"The 1950s' origin of autism as low social skills and intellectual deficiency."
Sam Fellowes (Lancaster University)

"Underground psychoanalysis: a story of success across the Iron Curtain."
Corina Doboș (University College London)

Science and Religion

Faraday D

Chair: David Beck (University of Warwick)

"Between city and cloister: the place of alchemy in pre-Reformation England."
Jennifer Rampling (Princeton University)

"Evangelicals and extraterrestrials: the plurality of worlds debate in Scotland, 1815–55."
Bill Jenkins (University of Edinburgh)

"Science versus superstition? Problems in the historiography of psychical research."
Andreas Sommer (University of Cambridge)

Public Health I

Faraday E

Chair: Matthew Eddy (University of Durham)

"Quantifying the health of the Empire: the beginnings of large-scale comparative medical statistics in the British imperial army of the 19th century."
Anna Mohr (ETH, Zurich)

"Reading skin in Victorian newspapers: an analysis of British news coverage of dermatology, 1840-1860."
Diana Garrisi (University of Westminster)

"Aging in the city: public health and the politics of the urban street."
Cara Kiernan Fallon (Harvard University)

"Analyse and survive? British scientific and medical experts and uncertainty
about the effects of nuclear war in the 1980s.”
Christoph Laucht (Swansea University)

Science Futures, Science Fictions
Faraday Lecture Theatre

Organiser: Amanda Rees (University of York)

Commentator/Chair: Iwan Morus (Aberystwyth University)

"Engineering fiction: science and literature in Interwar Britain."
Charlotte Sleigh (University of Kent)

"Unlawful experiments: science, crime and movie censorship in the 1930s and 1940s.”
David Kirby (University of Manchester)

"Filming 'The Predatory Transition': technology, violence and species difference in 2001: A Space Odyssey and post-war palaeoanthropology.”
Seán McCorry (University of Sheffield)

"Neanderthals and narrative: othering the brother (sic) in the 20th century.”
Amanda Rees (University of York)

Let's Talk About...: 'Collaborative Team-based Research' (Round Table)
Faraday G

Organiser and Chair: Aileen Fyfe (University of St Andrews)

Participants:
Graeme Gooday (University of Leeds)
Noah Moxham (University of St Andrews)
Stathis Arapostathis (University of Athens)

Saturday 4 July
Academic session 6
14.00–16.00

Public Health II
Faraday C

Chair: James Stark (University of Leeds)

"Sexual health and the state: state-supported healthcare provisions for venereal diseases in England, 1918-1939.”
Anne Hanley (University of Leeds)

"The development of blood transfusion services during the Spanish Civil War (1936-1939).”
Linda Palfreeman (Universidad Cardenal Herrera CEU)
“From resignation to non-conformism: the Association Movement, family and learning disability during the Franco Era.”

Mercedes Del Cura González (University of Castilla-La Mancha & IDINE)

Scientific Institutions

Faraday D

Chair: Sean Johnston (University of Glasgow)

“Founding the Medical Pneumatic Institution, 1794-1798.”
Frank James (Royal Institution)

“Pietro Blaserna and the Rome Physic Institute.”
Miriam Focaccia (University of Bologna)

“Kew Observatory and the origins of the National Physical Laboratory.”
Lee T. Macdonald (University of Leeds)

“Visions of the Observatory: toward a popular iconography of the Royal Observatory, Greenwich.”
Rebekah Higgitt (University of Kent)

The Travelling Rat, 1850-1950

Faraday E

Organiser: Karen Sayer (Leeds Trinity University)

Chair: Elizabeth Neswald (Brock University)

“From foreign invader to subterranean fiend: sewer rats, sanitary modernity and Victorian underworlds.”
Neil Pemberton (University of Manchester)

“Rattus-homo-machine: rats as seafarers in the nineteenth century.”
Kaori Nagai (University of Kent)

“The ‘modern’ management of rats moving across farm and field: 1900-1940.”
Karen Sayer (Leeds Trinity University)

Is There Such a Thing as Welsh Science? (Round Table)

Faraday G

Organiser and Chair: Iwan Morus (Aberystwyth University)

Participants:
Mary-Ann Constantine (University of Wales)
James Moore (Open University)
Iwan Rhys Morus (Aberystwyth University)
Amanda Rees (University of York)
John Tucker (Swansea University)
Saturday 4 July
Academic session 7
16.30–18.00

Anatomy and Physiology
Faraday C

Chair: Chiara Ambrosio (University College London)

"Vesalius, Putti and courtly ambition: the role of the historiated capitals in Andreas Vesalius's De humani corporis fabrica."
Richard Bellis (University College London)

"The limits of body, philosophy and credulity: hysteria, spontaneous generation and amphibians."
Sean Dyde (Max Planck Institute for the History of Science, Berlin)

Science and Literature
Faraday D

Chair: Don Leggett (Nazarbayev University)

"The limits of the natural: the representation of human desire in the early eighteenth century."
David Beck (University of Warwick)

"Calculating women: Mrs Galilee and the figure of the scientist in Wilkie Collins's Heart and Science."
Ben Marsden (University of Aberdeen)

"The inventive authorship of Junius Redivivus."
Matthew Paskins (University of Leeds)

The Contradictions of Health and Having to Work for a Living
Faraday E

Chair: Graeme Gooday (University of Leeds)

Matthew J. Hoffarth (University of Pennsylvania)

"Finance, speculation, and mental disorder in the Victorian age."
Sally Shuttleworth (St Anne’s College, Oxford)

"New Power in whose hands? Psychological science at the coalface."
Alice White (University of Kent)
**Science goes to the Movies**  
*Faraday Lecture Theatre*

Chair: Jeff Hughes (University of Manchester)

“The cinematic sound of industrial modernity: first notes”  
*Tim Boon (Science Museum, London)*

"Fitting the job to the Man: a film about a scientific discipline.”  
*Roland Edwards (University of Manchester)*

*William R. Macauley (University of Manchester)*

**Codifying Knowledge in Early Computer Programming**  
*Faraday G*

Organiser: David Nofre (Independent Scholar)

Chair: Jon Agar (University College London)

“‘Mathematical objects in action’: implementation and epistemology in early computer mathematics.”  
*Stephanie Dick (Harvard University)*

"‘Much less of an art, much more of a scientific technique’: making the computer a scientific tool.”  
*Mark Priestley (University College London)*

"The absent machine abstraction and the making of computer science, 1950-1965.”  
*David Nofre (Independent Scholar) and Edgar Daylight (University of Utrecht)*

**Sunday 5 July**  
**Academic session 8**  
**09.30–11.00**

**Food and Nutrition**  
*Faraday C*

Chair: James Sumner (University of Manchester)

"Clinicians, activists and the 'stony-faced god of numbers': the UK Medical Research Council vitamin study controversy, 1980-84.”  
*Salim Al-Gailani (University of Cambridge)*

"Visions of health and the eating body: food and the 1884 International Health Exhibition.”  
*Lisa Haushofer (Harvard University)*
"The material culture of experimentation in late 19th-century nutritional physiology."
Elizabeth Neswald (Brock University)

Illustrating Science
Faraday D

Chair: Tim Boon (Science Museum, London)

"Composite photographs and the quest for generality: themes from Peirce and Galton."
Chiara Ambrosio (University College London)

"Quite extraordinarily irresponsible': BBC2’s Controversy series and the televising of expert disagreement, 1971-1975."
Rupert Cole (Royal Institution)

"When artifice becomes evidence: looking at the origins of the wildlife MOD genre."
Jean-Baptiste Gouyon (University College London)

Science in Islam
Faraday E

Chair: tbc

"The philosopher’s Euclid: Ibn Sina and his epitome of Euclidean geometry."
Gregg DeYoung (American University in Cairo)

"Modern optics in the Ottoman Empire."
Sena Pekkendir (Medeniyet University, Istanbul)

"Rentier Science: History of Biology and Evolution in the Arab Gulf States."
Jörg Matthias Determann (Virginia Commonwealth University in Qatar)

Scientific Correspondence
Faraday Lecture Theatre

Organiser: James Poskett (University of Cambridge)

Chair: Geoffrey Belknap (University of Leicester)

"Edward Belcher and the archival event: letter writing and record keeping in the Hydrographic Office, c. 1830-1850."
Megan Barford (University of Cambridge)

"Eighteenth-century vegetables and letters: understanding Sir Hans Sloane’s botanical collections."
Victoria Pickering (Queen Mary, University of London)
“Phrenology on the plantation: correspondence, character and the abolition of slavery.”
James Poskett (University of Cambridge)

Sunday 5 July
Academic session 9
11.30–13.00

Science and Race
Faraday C

Chair: Bill Jenkins (University of Edinburgh)

“The history of ‘Red People’: William Bollaert and the geography of native Americans.”
Maurizio Esposito (University of Santiago, Chile)

“For the betterment of mankind: ideas about selective breeding in French and German enlightenment thinking.”
Maren Lorenz (Ruhr-Universität Bochum)

“The end of racial science? Measuring difference in the Torres Straits, 1898-1899.”
Elise Smith (Wellcome Unit for the History of Medicine, Oxford)

Bodies of Knowledge: Children’s Education, 1700-2000
Faraday D

Organiser: Melanie Keene (Homerton College, Cambridge)

Chair: Jia-Ou Song (University of Manchester)

“Filthy Scribble Scribble’: children, inscription and the emotional therapy of pictures.”
Matthew Eddy (University of Durham)

“ Heads, shoulders, knees, and toes’: embodied anatomy for children in the nineteenth century.”
Melanie Keene (Homerton College, Cambridge)

“Sex education is always trouble’: the representation of sex education and HIV-positivity on the BBC’s Grange Hill.”
Hannah Elizabeth Kershaw (University of Manchester)

Modern Physics: From Ohm ‘s Law to Quantum Theory
Faraday E

Chair: Hasok Chang (University of Cambridge)
“The man behind Ohm's law.”
Charlotte Connelly (University of Cambridge)

“From measurement to Maxwell: French mathematics and the metaphysics of electrical metrology.”
Daniel Jon Mitchell (University of Cambridge)

“Quantum myth-histories: the power of demarcation.”
Jose Perillan (Vassar College)

What Can Science Communication Bring to the History of Science, Technology and Medicine? (Round Table)
Faraday G

Organiser and Chair: James Sumner (University of Manchester)