

# SCIENTIAE 2015

27-29 May 2015, University of Toronto

DAY ONE: WEDNESDAY, MAY 27

8:00 – 8:45

EM 119

REGISTRATION

8:45 – 9:00

EM 001

WELCOMING ADDRESS

**James A. T. Lancaster** (Warburg Institute), Principal Organizer

9:00 – 10:30

EM 001

KEYNOTE

**Chair:** James A.T. Lancaster (Warburg Institute)

**Peter Dear** (Cornell University): *Multiplex erit scientia*: Reason as a universal solvent in early-modern knowledge

10:30 – 11:00

EM 119

COFFEE BREAK

11:00 – 12:30

## 1. Making Sense of Space in the 16th and 17th Centuries History

EM 001

**Chair:** Janine Rogers

**Richard Raiswell** (University of Prince Edward Island)  
*How cold can it be? English Geographical Speculation and the Search for the Northern Route to the East*

**Raphael Falco** (University of Maryland, Balt. County)  
*Chorography, Myth, and Memory in Michael Drayton's Poly-Olbion and Elegies Upon Sundry Occasions*

**Peter Hess** (University of Texas at Austin)  
*The case against spatial knowledge in sixteenth-century Germany*

## 2. Empiricism in the Religious Discourses of Early Modern England

EM 108

**Chair:** James A.T. Lancaster

**James Pedlar** (Tyndale University College)  
*The 'Spiritual Senses' and John Wesley's Response to Empiricism*

**Natasha Duquette** (Tyndale University College)  
*Empiricism, Emotion, and Eschatology in the Poetry of Katherine Philips and Anne Finch*

**Kristen Irwin** (Loyola University)  
*Locke's Empiricist Epistemology of Religion in the Essay Concerning Human Understanding*

## 3. Alchemy

NF 119

**Chair:** Vittoria Feola

**Jennifer M. Rampling** (Princeton University)  
*Prior Convictions: Alchemy, Fraud, and Expertise in English Religious Houses*

**Paul Greenham** (University of Toronto)  
*Reading Alchemy with Isaac Newton*

**Ken Henson** (Art Academy of Cincinnati)  
*Tracing the Macrococosm: The Influence of Renaissance Alchemical Philosophy on Eclectic Medicine*

## 4. Science, techné (ars), and technology in the Early Modern Period (I)

NF 113

**Chair:** Maria Helena Roxo Beltran

**Maria Helena Roxo Beltran** (Pontifical Catholic University of São Paulo)  
*Text/image relationships in early printed books: some remarks on alchemical/chemical images*

**Vera Cecília Machline** (Pontifical Catholic University of São Paulo)  
*Images blending the traditional four temperaments with Galen's humoral views*

12:30 – 1:30

LUNCH

1:30 – 3:00

## 5. Foreign Knowledge

NF 119

**Chair:** Kathryn Walls

**Kristin Shimmin** (Carnegie Mellon University)  
*Structuring Politics with Natural Histories: creolizing scientific expertise in Edward Long's The History of Jamaica (1774)*

**Patrick J. Connolly** (Iowa State University)  
*Locke, Pyrrard, and Coconuts: Travel Literature as Natural History*

**Stefano Gulizia** (CUNY)  
*Speaking Clocks for the Sultan: Understanding Automata in the Early Modern Mediterranean*

## 6. Books and their Readers

EM 001

**Chair:** Hélène Cazes

**Vittoria Feola** (University of California, Rome Center)  
*Eugene of Savoy's library and network. An anti-radical Enlightenment case study?*

**Cornelis J. Schilt** (University of Sussex)  
*Known by the books he keeps: Scenes from the library of Isaac Newton*

**Dina Bacalexi & Mehrnaz Katouzian-Safadi** (CNRS)  
*Two readings of Galen: Rhazes (9th-10th century) and Leonhart Fuchs (16th century)*

## 7. Exegesis, Scripture Conditioning Knowledge

EM 108

**Chair:** Richard Raiswell

**Brian Gourley** (Independent Scholar)  
*The Dissemination of The Apocalyptic Thought & Revelation. Exegesis of Nicholas of Cusa in The Image of Both Churches*

**Atsuko Fukuoka** (University of Tokyo)  
*Arts and Crafts in Creating Sovereignty from the Old Testament: The Case of Hobbes and his Dutch Contemporaries*

**Ran Segev** (University of Texas at Austin)  
*The Search for Mount Carmel in the New World: Fray Antonio Vázquez de Espinosa and Geography at the Service of Faith*

## 8. Science, techné (ars), and technology (II)

NF 113

**Chair:** Vera C. Machline

**Alison K. Lingo** (UC, Berkeley)  
*The Revival of the Case History in Early Modern Paris: Louise Bourgeois, Ambroise Paré and Jacques Guillemeau*

**Marcos Neves & Josie da Silva** (UTFPR-PG, Brazil)  
*Art and science: articulating a contemporary dialogue using the perspective of the Renaissance (Relation Galileo-Cigoli rediscovered)*

**Lais dos Santos Pinto Trindade** (Pontifical Catholic University of São Paulo)  
*Chemical arts and techniques in seventeenth-century France: medicinal and cosmetic recipes*

3:00 – 3:30

EM 119

COFFEE BREAK

3:30 – 5:00

**9. The Problem of Certainty**

EM 108

**Chair:** Charlie Huenemann

**Marcin Konik** (Jagiellonian University, Poland)  
*Devil and devilish tricks - different views on the problem in Early Modern Poland*

**Mark K. Boespflug** (University of Colorado-Boulder)  
*Locke's Novel Doxastic Practice: The Proportionality Thesis*

**Leah Knight** (Brock University)  
*She Knew She Was Right: How Anne Clifford Read Her History*

**10. Graphs and Diagrams**

NF 119

**Chair:** Elaine C. Stroud

**Peter Distelzweig** (University of St. Thomas)  
*Illustrating Utilitates: Girolamo Fabrici's other images*

**Stewart Weaver** (University of Rochester)  
*Halley's Chart: Science, Exploration, and the Graphic Representation of Knowledge in the English Enlightenment*

**Margaret E. Schotte** (York University)  
*Our Place on the Globe: The Evolution of Cosmographical Diagrams in Sailors' Manuals, 1550-1700*

**11. Representing / Translating Knowledge**

EM 001

**Chair:** David Beck

**Mike A. Zuber** (University of Amsterdam)  
*Philosophical Delights: Knowledge-Based Entertainment Performances in Polite Society, 1636-66*

**Matthijs Jonker** (University of Amsterdam)  
*Artistic Images as Instruments in Early Modern Scientific Practices*

**J.D. Fleming** (Simon Fraser University)  
*How to mean things with marks: The informational character of John Wilkins*

**12. Morality and Scientiae**

EM 001

**Chair:** Steve Matthews

**Elliot Rossiter** (University of Western Ontario)  
*The Moral Dimensions of Robert Boyle's Physico-Theology*

**Chris Meyns** (UCL/University of Toronto)  
*Leibniz and the Ethics of Probability*

**Livia Guimaraes** (Universidade Federal de Minas Gerais)  
*Chesterfield's Letters to his Son – natural and political breeding and sociability – a tincture of skepticism*

5:00 – 6:30

**13. Early Modern Aristotelianism and Its Opponents**

NF 113

**Chair:** James Dougal Fleming

**Zita Toth** (Fordham University)  
*Experience and the Knowledge of Causes*

**Tomas Nejeschleba** (Palacky University Olomouc)  
*Valeriano Magni: Is Modern Science Compatible with an Scholastic Philosophy and Metaphysics?*

**Simona Boscani Leoni** (University of Berne)  
*Aristotelianism, Empiricism, Eclecticism: Knowledge practices in the Old Swiss Confederation*

**14. Faith and the New Science**

NF 119

**Chair:** Steven Matthews

**Anna Frammartino Wilks** (Acadia University)  
*Blumenbach and Kant on Biological Force*

**Nigel Fernando** (University of Toronto)  
*Of Nature and Grace: Exploring the Port Royal Writings*

**Karine Durin** (University of Nantes)  
*Natural reason in natural philosophy in Early Modern Spain*

**15. Globalizing Scientiae**

EM 001

**ROUNDTABLE**

**J.B. Shank** (University of Minnesota)

**Roger Hart** (Texas Southern University)

**Carla Nappie** (University of British Columbia)

**Robert G. Morrison** (Bowdoin College)

6:30 – 8:00

TBA

WINE RECEPTION

DAY TWO: THURSDAY, MAY 28

9:00 – 10:30

16. Epistemological Negotiations in the Early Modern Iberian Worlds

EM 108

Chair: David H. Colmenares

**Miguel Ibáñez Aristondo** (Columbia University)

*Order and Sublimation: Francisco Hernández's Thesaurus and the Eye of the Lynx*

**David H. Colmenares** (Columbia University)

*Paper Ethnography: Iconographical Negotiations in Sixteenth-century Rome*

**Noel Blanco Mourelle** (Columbia University)

*Lullus Escorialensis: Juan de Herrera and the Art of Ramon Llull*

17. Visualising Knowledge

EM 001

Chair: David Beck

**Ashley D. West** (Temple University)

*Representing German Sacred Treasures and the Making of the Image of Objectivity before the Era of Science*

**Elaine C. Stroud** (University of Wisconsin-Madison)

*The Borders of Art and Science: The role of illustration in developing and promoting scientific ideas at the center of a controversy between Thomas Hobbes and René Descartes*

**Filip Malešević** (University of Fribourg)

*The visibility of the "Romana Ecclesia" in posttridentine Rome: Cesare Baronio and the disclosure of the invisible*

18. Experience, Experiment, Expound, Explode:

Coterie Writing and the Scientific Revolution

NF 119

Chair: Adam Katz

**Daniel D. Lee** (Stony Brook University)

*Brownian Motion: Religio Medici as Literary Experiment and Experience*

**Adam Katz** (Stony Brook University)

*Paradise Tossed: How the Reformation Shaped the Reception of Thomas More's Utopia and the entire course of scientific inquiry*

**Anthony Oliveira** (University of Toronto)

*Revolutions of Dust: John Donne and the Manhattan Project*

10:30 – 11:00

EM 119

COFFEE BREAK

11:00 – 12:30

19. Learned and Vernacular Traditions in Early

Modern Venice

NF 113

Chair: Mark Jurdjevic

**Tawrin Baker** (Indiana University, Bloomington)

*A Dead Eye Is Not Really an Eye: Determining Structure and Action in Sixteenth Ocular Anatomy*

**Cynthia Klestinec** (Miami University-Ohio)

*Medicine and the Scientific Revolution: Circulating Value in the Medical Marketplace in Early Modern Venice*

**Meredith K. Ray** (University of Delaware)

*Erina's Island: Scientific Culture and Women's Writing in Seicento Venice*

20. Depicting and the Imagination

EM 001

Chair: H el ene Cazes

**Judy Jansen** (University of British Columbia)

*Bodies of Knowledge: Anatomical Frontispieces in the Early Modern Era*

**Caroline O. Fowler** (Center for Advanced Study in the Visual Arts)

*A Universal Immateriality: Bernard Picart and the Matter of Art and Religion*

**Kathryn Morris** (University of King's College)

*Margaret Cavendish: Natural Philosophy and the Imagination*

21. Literature and the Epistemic Shift in 17th-Century

Literature

NF 119

Chair: Erin Webster

**Erin Webster** (Birkbeck, University of London)

*"To See and Tell of Things Invisible" in a Post-Galilean Age*

**Sam Kaufman** (University of Toronto)

*Lunacy after Galileo: Melancholy, Hysteria, and Religious Transformation in The Duchess of Malfi*

**Mingjun Lu** (University of Toronto)

*"Wisdom-giving Plant" as "Mother of Science": Miltonic Causation and the Mechanical Science*

22. Historical Evidence

EM 108

Chair: Richard Raiswell

**Cynthia M. Pyle** (New York University)

*Scientific and Applied Renaissance Humanism*

**Sundar Henny** (University of Basel)

*Turning Geography into Anthropology. The Reception of Strabo during the Enlightenment*

**Per Landgren** (University of Oxford)

*HISTORIA AS AN EPISTEMIC CATEGORY. Historia as factual knowledge for all disciplines except one...*

12:30 – 1:30

LUNCH

1:30 – 3:30

**23. Mapping Networks of Astronomical Knowledge**

NF 113

**Chair:** Kathleen Crowther

**Peter Barker** (University of Oklahoma)  
*The Rise of the New Theorica*

**Johanna Biank** (Max Planck Institute for the History of Science, Berlin)  
*Pseudo-Proclus's Sphaera: A Neoplatonic alternative to Sacrobosco's treatise?*

**Kathleen Crowther** (University of Oklahoma)  
*Sacrobosco's Sphere in Portugal and Spain*

**Matteo Valleriani** (Max Planck Institute for the History of Science, Berlin)  
*Network and Identity The Shared Scientific Knowledge of the Tracts De sphaera*

**24. Faculties and Their Impairment**

EM 001

**Chair:** Steven Matthews

**Julia Reed** (Harvard University)  
*Blindness and Haptic Perception before Molyneux's Problem*

**David Clemis** (Mount Royal University)  
*Legal Doctrine, Medical Knowledge and the Moral Agency of the Early Modern English Drunkard*

**Adam Rzepka** (Montclair State University)  
*"We loose it like Lightning": Early Modern Apprehension*

**Alexandra Chadwick** (Queen Mary, London)  
*The language of mind and soul in Hobbes's account of man's natural faculties*

**25. Theology and the New Science**

EM 108

**Chair:** James A.T. Lancaster

**Jennifer Egloff** (New York University)  
*Calculating the Apocalypse: Early Modern Mathematicians' Interdisciplinary Approaches to Interpreting Revelation*

**Karen Hollewand** (University of Oxford)  
*The banishment of Beverland: the radical ideas of a humanist scholar on sex, sin and the Bible in the late 17th century Dutch Republic*

**Harman Bhogal** (Birkbeck, University of London)  
*Understanding Demons: Demonology in Post-Reformation England*

**26. Dissemination**

NF 119

**Chair:** Cornelis J. Schilt

**Lauren R. Cannady** (Karl-Franzens-Universität, Graz)  
*Locating the art in the Parisian Société des arts collective of the 1720s and 1730s*

**Rui Manuel Loureiro** (Centro de História d'Aquém e d'Além-Mar, Lisbon, Portugal)  
*Information networks and knowledge practices in Garcia de Orta's «Colóquios dos simples e drogas da Índia» (Goa, 1563)*

**Will Brown** (Johns Hopkins University)  
*Publishing Empire: Esprit de Cabart de Villermont's Archive and the French Periodical Press, 1652-1707*

3:30 – 4:00

EM 119

COFFEE BREAK

4:00 – 5:30

**27. Science and Politics**

EM 108

**Chair:** Charlie Huenemann

**Kathryn Walls** (Victoria University of Wellington, NZ)  
*The Newtonian system as a model of government: Desaguliers and Alexander Pope*

**Ansgar Lyssy** (LMU Munich)  
*Reason and its Practical Limits: Leibniz on Political Rationality*

**Marcus P. Adams** (University at Albany, SUNY)  
*Thomas Hobbes on the Laws of Nature*

**28. Observation and Action**

NF 113

**Chair:** James A.T. Lancaster

**Lindsay Alberts** (Boston University)  
*Transformation: The Studiolo of Francesco I as Educational Space*

**Hélène Cazes** (University of Victoria)  
*The Anatomist and the Butchers: The Fabric of Andreas Vesalius' scientia*

**Reem Elghonimi** (The University of Texas at Austin)  
*Seeing Small: Mathematical Optics and the Dissection of Nature in Interregnum and Republican England, 1640-1657*

**29. Rhetoric & Presentation**

NF 119

**Chair:** James Dougal Fleming

**Brian Nance** (Coastal Carolina University)  
*Beyond the Humility Trope: Humanisms in the Observationes of Petrus Forestus*

**Noa Yaari** (York University)  
*Does Air weigh in Air? First Experiments in Late Sixteenth Century Pisa and the Use of Descriptive Language*

**Janine Rogers & Samuel Gessner** (Mount Allison University & University of Lisbon)  
*The Textual Heritage of the De Fabrica et Usu Treatises: Chaucer's "Treatise of the Astrolabe" at the threshold of the early modern tradition of scientific instrument texts.*

**30. Regimens of Health in Early Modern Europe**

EM 001

**Chair:** Lucia Dacome

**Sandra Cavallo** (Royal Holloway)  
*Authorship, form and audiences of Italian regimens of health (late 15th-late 17th centuries)*

**David Gentilcore** (University of Leicester)  
*Regimens, medical authority and foodways in early modern Europe*

**Tessa Storey** (Royal Holloway)  
*English and Italian Regimens: the Protestant and the Catholic Body in the sixteenth and seventeenth centuries*

7:00 – 9:00

Burwash Hall

CONFERENCE BANQUET

DAY THREE: FRIDAY, MAY 29

9:00 – 10:30

31. **Toward a World/Global/Planetary Theory of the  
Visuality of Early Modern Technologies**

EM 001

**ROUNDTABLE**

**S. E. Kile**

(University of Michigan, Ann Arbor)

**Jennifer Nelson**

(University of Michigan, Ann Arbor)

**David Porter**

(University of Michigan, Ann Arbor)

32. **Natural Knowledge**

NF 113

**Chair:** Vittoria Feola

**Stephanie Shirilan** (Syracuse University)

*European Occultism and the Consumption of  
Indigenous Knowledge*

**Jennifer Mori** (University of Toronto)

*Prognostic birds and vulgar errors. English popular  
naturalism c.1640-1750*

**Kate Wersan** (University of Wisconsin, Madison)

*A More Perfect Time: Representing Space and Time in  
long Eighteenth Century Horticultural Guides*

33. **Authorship in the Sixteenth and Seventeenth  
Centuries**

NF 119

**Chair:** Sven Dupré

**Michelle DiMeo** (Chemical Heritage Foundation)  
*Authorship and Authority in Robert Boyle's Medical  
Recipes*

**Kaspar von Greyerz** (University of Basel)

*The English translations of Daniel Sennert's work by  
Cole and Culpeper: A transformation of authorship*

**Simone Zweifel** (University of St. Gallen)

*Early Modern Printed Recipe Books: The seventeenth-  
century transfer of continental knowledge to Britain*

34. **After Newton**

EM 108

**Chair:** Cornelis J. Schilt

**Matias Slavov** (University of Jyväskylä)  
*Newtonianism in Hume: Initiating an Intermediary  
Reading*

**Robert L. Knetsch** (Wycliffe College)  
*Hutchinsonianism, Newtonian Science, and a  
Fragmenting World*

**Jip Van Besouw** (Free University of Brussels)

*W. J. 's Gravesande (1688-1742): 'Newtonian'  
methodology and the demarcation of disciplines*

10:30 – 11:00

EM 119

COFFEE BREAK

11:00 – 12:30

35. **Antiquarianism**

EM 108

**Chair:** TBA

**Bernd Kulawik** (Bibliothek Werner Oechslin)

*The 'Accademia della Virtù' – The first international  
interdisciplinary research network and its still un-  
identified production*

**David Beck** (University of Warwick)

*Antiquarianism and the methodology of science in  
England to the turn of the eighteenth century: close  
and distant readings*

**Scott Bevill** (University of Tennessee)

*From Antiquarian Pursuits to an Academic Discipline:  
The Case of Anglo-Saxon Studies in Early Modern  
England*

36. **Reading / Reworking Ancient Sources**

NF 119

**Chair:** Vittoria Feola

**Steve Matthews** (The University of Minnesota, Duluth)

*Theosis and Early Modern Anthropology: Pico, Ficino,  
Stapulensis, and their influence*

**Ovanes Akopyan** (University of Warwick)

*Theories of Tides in Early Modern Europe: from  
Astrological Speculation to Scientific Solutions*

**Stephen I. Wagner** (St. John's University/College of St.  
Benedict, Minnesota)

*The Neoplatonic Foundation of Descartes' Scientia*

37. **Managing and Applying**

NF 113

**Chair:** Matteo Valleriani

**Timothy Ashley Daniels** (Utah State University)

*"Desiring by all good means to attaine a perfect  
knowledge how to Plant, preserve, and maintaine the  
blessings of God:" Investigating the Significance of  
Timber Management in Jacobean England*

**Yelda Nasifoglu** (McGill University)

*The analogical correspondence between Robert  
Hooke's natural philosophical work and architectural  
practice*

**Lucia Dacome** (University of Toronto)

*Renaissance Perspirations: Santorio Santorio and the  
Healthy Body of the Venetian Republic*

38. **States of Mathematical Knowledge in Early  
Modern Europe**

EM 001

**Chair:** Sven Dupré

**Raz Chen-Morris** (The Hebrew University of  
Jerusalem)

*What else is a Kingdom but a Harmony?  
The Poetics of Kepler's Telescope and the Question of  
Sovereignty in Early Modern Europe*

**Aviva Rothman** (University of Chicago)

*Kepler and the role of the "non-partisan"  
mathematician*

**J.B. Shank** (University of Minnesota)

*The Sovereign as Turner, or Making the Baroque  
State at the Lathe*

12:30 – 1:30

LUNCH

1:30 – 3:00

39. Proof and Plausibility

EM 108

Chair: James Dougal Fleming

**Maria Avxentevskaya** (Freie Universität Berlin)  
*Kenelm Digby's Semiotics of Artistry*

**Andrea Strazoni** (Erasmus University Rotterdam)  
*The Search for the Foundations of Knowledge in the Dutch Republic after Descartes*

**Mark A. Waddell** (Michigan State University)  
*The Weapon Salve and the Problem of Plausibility*

40. Entangled histories of early modern translation, empire, and knowledge production

EM 001

ROUNDTABLE

**Harold J. Cook**  
(Brown University)

**Carla Nappi**  
(University of British Columbia)

**E. Natalie Rothman**  
(University of Toronto)

41. Self-Fashioning

NF 119

Chair: Kevin Siena

**Michael Stolberg** (University of Würzburg)  
*Between the matula and the quill. The professional self-fashioning of humanist physicians*

**Nicholas Overgaard** (University of Toronto)  
*'Sarsi vs. Guiducci' or 'Grassi vs. Galileo'? Identity in the Dispute on the Comets of 1618*

**Samantha Sandassie** (Queen's University, Canada)  
*Gaining Credit: The Growth of Surgery in 17th Century England*

42. Changing Explanations

NF 113

Chair: Charlie Huenemann

**Bruce Carroll** (New York University-Shanghai)  
*The Oratio's Artisanal Ontology*

**Robert Goulding** (University of Notre Dame)  
*Reading to Atomism: the Natural Philosophy of Petrus Ramus*

**Patrick Brissey** (Independent Scholar)  
*Towards Descartes' Scientific Method of Doubt: The Rhetoric of Les Météores*

3:00 – 3:30

EM 119

COFFEE BREAK

3:30 – 5:00

EM 001

KEYNOTE

Chair: Vittoria Feola

**Anthony Grafton** (Princeton): *Manus multae, cor unum?* Collaborative scholarship in early modern Europe

5:00 – 6:00

EM 001

General Meeting