

# *Scientiae 2018, May 16-19, Minnesota*

## Preliminary Programme v3

### Wednesday, May 16th

1230-1400	Registration (Coffee)
1400-1415	Opening
1430-1630	Session 1
1630-1700	Coffee and Tea
1700-1830	Keynote <i>Surekha Davies</i> (Western Connecticut State University)
1900-2030	Drinks Reception

### Thursday, May 17th

0900-1030	Session 2
1030-1100	Coffee and Tea
1100-1300	Session 3
1300-1430	Lunch
1430-1630	Session 4
1430-1630	Workshop "Using the counting table to calculate in pounds, shillings and pence" - Cheryl Periton (St. Mary's College, Notre Dame / Canterbury Christ Church University)
1630-1700	Coffee and Tea
1700-1830	Scientiae Session
1830-1930	Spare time
1930-	Conference Dinner

## Friday, May 18<sup>th</sup>

0900-1030	Session 5
1030-1100	Coffee and Tea
1100-1300	Session 6
1300-1430	Lunch
1430-1630	Session 7
1430-1630	Workshop “Listening in the New Atlantic” - Adam Rzepka (Montclair State University) and Toby Rzepka (professional luthier and instrument maker)
1630-1700	Coffee and Tea
1700-1830	Keynote <i>Vladimir Urbanek</i> (Academy of Sciences of the Czech Republic)

## Saturday, May 19<sup>th</sup>

0900-1030	Session 8
1030-1100	Coffee and Tea
1100-1300	Session 9
1300-1330	Closing words

## Sessions

NB Panel names are descriptive/abbreviated

Session 1 – Wednesday May 16th, 1430-1630

Room A	Room B	Room C
<b>Travel</b>	<b>Religion &amp; Medicine</b>	<b>Alchemy</b>
Chair: JD Fleming (Simon Fraser University)	Chair: Stefano Gulizia (UC Sacramento)	Chair: Krista Twu (University of Minnesota, Duluth)
Speik between the Alps and the Orient: local knowledge, botany and economy in circulation – Marianne Klemun (University of Vienna)	The Malleus Maleficarum: a rationalistic point of view? Alexandra W. Albertini (University of Corsica)	Between Poetical Aspirations and Scientific Endeavours: The Moroccan Alchemist Ibn Arfa' Ra's (d. 1197) and His Collection of Poems The Shards of Gold (Shudhūr al-dhabab) – Christopher Braun (University of Zurich)
Mapping the Swedish Atlantis: History and geography in the work of Olof Rudbeck – Charlotta Forss (Stockholm University)	Authenticating Demon Possession in the Age of the New Empiricism – Richard Raiswell (University of Prince Edward Island)	The Afterlife of Atalanta fugiens – Donna Bilak (Columbia University)
Landscape Humanism – Raphael Falco (University of Maryland, Baltimore County)	Drug expertise and drug experts in Antiquity, Oriental Middle Ages and Occidental Renaissance: knowledge, know-how, social impact - Dina Bacalexi (Centre Jean-Pépin) and Mehrnaz Katouzian-Safadi (University Denis-Diderot)	Robert Boyle's 'Crosey-Crucian': The Lives and Papers of Peter Moritz / Christian Amoureux – Mike Zuber (University of Oxford)
Imagining Earth – Prints as Evidence in the work of Willem Goeree – Wouter de Vries (VU Amsterdam)		Alchemy and Poetic Form: The Chymical-Devotional Lyrics of Hester Pulter – Cassandra Gorman (Anglia Ruskin University)

Session 2 - Thursday May 17th, 900-1030

Room A	Room B	Room C
<b>The Many Dimensions of the Premodern Mathematics of Number</b>	<b>Power in the 17<sup>th</sup> Century and its Legacy</b>	<b>Local Knowledge / Global Networks: Botanizing for the Empire in the Late Eighteenth Century</b>
Chair: JB Shank (University of Minnesota, Twin Cities)	Chair: Michail Vlasopoulos (University of Chicago)	Chair: Marianne Klemun (University of Vienna)

Algebra: Scientia or Ars? – William B. Branson (St. Cloud State University)	Psychic Power and the Omnipotence of Thoughts in Shakespeare's <i>The Tempest</i> – Benjamin Jeffery (University of Chicago)	Naturalizing the Empire: Women Plant Collectors and the Making of British Botany c. 1785-1810 – Nicole LaBouff (Minneapolis Institute of Art)
The Number in Early Modern Spain: Technology, Organization, and Imperial Discourse in the Transatlantic Context – Molly Tun (St. Olaf College)	Natural Right as Power in Spinoza – Andrea Ray (University of Chicago)	Visibility: People, Plants, and Taxonomies in Early-Modern Botanical Landscapes – Laura Mitchell (UC Irvine)
The “Newton of Harmony” in the Age of Enlightenment: Jean-Philippe Rameau’s Quest to Unify Science and Aesthetics – Adam Fix (University of Minnesota, Twin Cities)	Hume and the Balance of Power – Danielle S. Charette (University of Chicago)	Aotourou and Botanical Knowledge in the French Pacific – Margaret Carlyle (University of Chicago)

Session 3 - Thursday May 17th, 1100-1300

Room A	Room B	Room C
<b>Philosophy 1</b>  Chair: Tzuchien Tho University of Bristol)	<b>Historiography</b>  Chair: Mike Zuber (University of Oxford)	<b>Interdisciplinary aspects of Athanasius Kircher’s Encyclopaedia of Music Musurgia Universalis (1650)</b>  Chair: Johann Hasler (Universidad de Antioquia)
The Structural Intellectualist Theology of Descartes’ <i>Discours de la Méthode</i> – Patrick Brissey (University of South Carolina)	Boethius and Disciplinarity – Krista Twu (University of Minnesota, Duluth)	1. The research group “Artes y Modelos de Pensamiento” of the Universidad de Antioquia (Colombia) and its research project on the appearances of musical notation in the <i>Musurgia Universalis</i> ” (15 min.) – Johann Hasler 2. “Proto-zoomusicology” in the XVIIth century? Birdsong and other proposed ‘musics of Nature’ of both the Old and New Worlds, as reported in the <i>Musurgia Universalis</i> (30 min.) – Juan Camilo Toro 3. “Proto-ethnomusicology” in the XVIIth century? Approaches to extra-European musics in the <i>Musurgia Universalis</i> (30 min.) – David Gaviria Piedrahíta
Robert Boyle’s Rejection of Human Difference – Dwight Lewis (University of South Florida)	Science in Two Empires: Recognizing Continuities in Safavid and Mughal Science – Peter Barker (University of Oklahoma)	
The fourth hypothesis on the union of soul and body – Lloyd Strickland (Manchester Metropolitan University)	From common sense to the enlightened mind. Claude Perrault's shared cognitive basis of the sciences and arts – Sjoerdieke Nicolson-Feenstra (Leiden University)	
Julian Offray de la Mettrie’s Scientific Philosophy – Michael Shaffer (St. Cloud State University)		

		<p>4. Early computer music in the XVIIth century? Automatic and randomly generated music in the Musurgia Universalis (30 min.) – Susana Gómez Castaño</p> <p>5. Panel discussion with audience (15 min.)</p>
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Session 4 Thursday May 17th, 1430 - 1630

Room A	Room B	Room C
<p><b>Theories</b></p> <p>Chair: Charlie Huenemann (Utah State University)</p>	<p><b>End-times Knowledge in the Sixteenth Century: Revelations Now</b></p> <p>Chair: William B. Eamon (New Mexico State University)</p>	<p><b>Scholarship</b></p> <p>Chair: Cornelis J. Schilt (University of Oxford)</p>
<p>The Early Modern culture of collecting, museums and cabinets: A rationale according to Aristotelian epistemology – Per Landgren (University of Oxford)</p>	<p>Christopher Columbus's alchemical millenarianism – Ralph Bauer (University of Maryland)</p>	<p>Spirit and erudition in Jean Le Clerc's biblical scholarship – Andrea Bianchi (Catholic University of Milan)</p>
<p>The curious observers of inhabited worlds: Huygens and Fontenelle on scientific curiosity – Daniel Špelda (Masaryk University, Brno)</p>	<p>From the edges of the earth to the end of time: The cosmo-apocalyptic visions of Guillaume Postel (1510-1581) – Vincent Masse (Dalhousie University)</p>	<p>"An Ægyptian darknesse": Pagan Chronologies, Historia Sacra, and the Hieroglyph in England, 1646-1690 – Stephanie Pope (Princeton University)</p>
<p>Elias Ashmole's collection of devotional images – Vittoria Feola (University of Padua)</p>	<p>Multiplex erit: Philiatros, Bacon, and apocalyptic Brightness – JD Fleming (Simon Fraser University)</p>	<p>Oriental and Classical Philology in Eighteenth Century Göttingen: Philology as a Way of Knowing – Kristine Palmieri (University of Chicago)</p>
	<p>Commentator: William B. Eamon (New Mexico State University)</p>	

Session 5 - Friday May 18th, 900-1030

Room A	Room B	Room C
<p><b>The Many Dimensions of Premodern Geometry</b></p> <p>Chair: Raz Chen-Morris (Hebrew University of Jerusalem)</p>	<p><b>Literature 1</b></p> <p>Chair: David Winter (Brandon University)</p>	<p><b>Mixed Religion 1</b></p> <p>Chair: Per Landgren (University of Oxford)</p>

Euclid's Kingdom – Amir Alexander (UC Los Angeles)	Margaret Cavendish, Francis Bacon, and the Fable in the Philosophy – Mary Trull (St. Olaf College)	Self-Care in Late Medieval Western Astrology – Steven Vanden Broecke (Universiteit Gent)
Peregrine Mathematics: Antonio Nardi's Scene, Hierarchies of Knowledge, and the Odyssey – Edward Chappell (University of Pennsylvania)	Discourse and Empiricism in Paradise Lost – J. Antonio Templanza (SUNY New Paltz)	Greek Doxography and Patterns of Natural History from Telesio and Patrizi to Bacon – Stefano Gulizia (UC Sacramento)
Materialist Geometry in Premodern Europe, or The Artistic Maker-Knower as Mathematician – JB Shank (University of Minnesota, Twin Cities)		The Role of Czech Brethren in Dissemination of Biblical Knowledge Using Humanistic Layout and Advanced Philological Methods – Veronika Sladká (Charles University, Prague)

Session 6 - Friday May 18th, 1100-1300

Room A	Room B	Room C
<b>Philosophy 2</b>	<b>Literature 2</b>	<b>Mixed Religion 2</b>
Chair: Lloyd Strickland (Manchester Metropolitan University)	Chair: Cassandra Gorman (Anglia Ruskin University)	Chair: Steve Matthews (University of Minnesota, Duluth)
A Third Kind of Knowledge? Plato's Bastard Reasoning in the Early Modern Period – Guy Claessens (KU Leuven)	On the beach: the preternatural origins of drift whale conflicts in the later Icelandic sagas (ca. 1350-1450) – David Winter (Brandon University)	Sacred and Universal Time in Francis Bacon's The New Atlantis – Erin Webster (College of William and Mary)
Leibniz's a priori demonstration of vis viva and the structural foundations of physics – Tzuchien Tho (University of Bristol)	Black and white: the natural world as conceived by Jón Guðmundsson the Learned (1574-1658) – Viðar Hreinsson (Icelandic Museum of Natural History)	The "Occult" and the "Manifest" in Early Modern Science: Reassessing the Contrast and Mersenne's Contribution – Guilherme Oliveira (University of Cincinnati)
Intelligibility and Hume's rendition of the law of universal gravitation – Matias Slavov (UC Los Angeles)	Making knowledge of foreign places: the conventions of English travel writing in the Americas and elsewhere – Michael LaCombe (Adelphi University)	'An Antidote Against Popery': English Natural Theology as Protestant Anti-Catholic Polemic – James Ungureanu (University of Queensland)
	How the Eighteenth-Century Traveler Looked at the World: Joseph Banks and the Tahiti Journals – Mona Scheuermann (Oakton Community College)	

Session 7 - Friday May 18th, 1430-1630

Room A	Room B	Room C
<p><b>Food &amp; Art</b></p> <p>Chair: Laura Mitchell (UC Irvine)</p>	<p><b>Physiognomy and Natural Temperament in the Renaissance</b></p> <p>Chair: Janice Gunther Martin (University of Notre Dame)</p>	<p><b>Editing Hobbes</b></p> <p>Chair: Matias Slavov (UC Los Angeles)</p>
<p>Giorgio Vasari's Alchemical Heaven for the Duke of Florence – Liana Cheney (independent)</p>	<p>The physiognomic theory of a Calvinist physician: Guglielmo Grataroli's De predictione morum naturarumque hominum (Basel, 1554) – Alessandra Celati (Stanford University)</p>	<p>Why optics in De Homine? – Elaine Stroud (University of Wisconsin)</p>
<p>The Geology of Art: Agostino del Riccio's Istorie delle Pietre – Lindsay Alberts (Lesley University)</p>	<p>Book of Nature, Book of Beasts: Physiognomy and Natural History in the Bestiario de Don Juan de Austria (c.1570) – Mackenzie Cooley (Stanford University)</p>	<p>Editing Hobbes's De corpore: manuscripts, scribes, and witnessing – Stephen Clucas (Birkbeck, University of London)</p>
<p>Bonds of Coffee: Rationality, Medicine and Scholarly Orientalism – Duygu Yildirim (Stanford University)</p>	<p>Francisco Pacheco and the Edge of Physiognomy – Maria Lumbreras (Johns Hopkins University)</p>	<p>The Evolution of Hobbes's First Philosophy – Timothy Raylor (Carleton College)</p>
<p>Praiseworthy chyle": intersections of theology and nutrition in 18th century French dietetics – Julia Reed (Harvard University)</p>	<p>Commentator: Brian Brege (Syracuse University)</p>	

Session 8 - Saturday May 19th, 900-1030

Room A	Room B	Room C
<p><b>Mixed maths</b></p> <p>Chair: Peter Barker (University of Oklahoma)</p>	<p><b>Mad Max 2</b></p>	<p><b>Science &amp; Religion</b></p> <p>Chair: Erin Webster (College of William and Mary)</p>
<p>Solving Ptolemaic Problems: A Continued Interest in Early Modern Islamicate Astronomy – Younes Mahdavi (University of Oklahoma)</p>	<p>Tbc – Steven Matthews (University of Minnesota, Duluth)</p>	<p>The Virgin and the Globe: the cosmological work of Sor María de Agreda – Kathleen Crowther (University of Oklahoma)</p>
<p>The Practice of Theory: The material intellectual operations underpinning the geometrical divinations of Vincenzo Viviani (1622–1703)</p>	<p>Tbc – Cornelis J. Schilt (University of Oxford)</p>	<p>Theorizing Knowledge Through Literary Forms: Ways of Knowing in António Vieira and Calderón de La Barca – Leonardo Grao Velloso</p>

– Simon Dumas Primbault (European University Institute, Florence)		Damato Oliveira (Stanford University)
“He studies Mathematics, because he heard it can be of use there”: The motivations behind Jesuit petitions for Chinese missionary assignments (17th-18th centuries) – Elisa Frei (Institute for Advanced Jesuit Studies, Boston College)		Observatio in the thought and practice of Martinus Szent-Ivany SJ (1633-1705) – Svorad Zavorský (Slovak Academy of Sciences)

Session 9 - Saturday May 19th, 1100-1300

Room A	Room B	Room C
<b>The Inquisition and the Censorship of Science in Early Modern Europe</b>  Chair: Svorad Zavorský (Slovak Academy of Sciences)	<b>How Europe Knew War</b>  Chair: Jennifer Nelson (Art Institute of Chicago)	<b>Medicine</b>  Chair: Steven Vanden Broecke (Universiteit Gent)
Putting the Indexes into Practice: A Bibliographical Analysis of Prohibited Books – Francisco Malta Romeiras (University of Lisbon)	“Even during War with the Turks”: Shakespeare, the School of Salamanca, and the Sanctity of the Home – Colby Gordon (Bryn Mawr College)	‘Examined, Skilled, and Experienced:’ Learned and Lay Equine Healers in Sixteenth-Century Castile – Janice Gunther Martin (University of Notre Dame)
Ambiguities of Censorship in Post-Tridentine Italy: The Case of Astrology – Neil Tarrant (University of York)	Fighting for Peace, or Kepler's War with Mars – Raz Chen-Morris (Hebrew University of Jerusalem)	The Regurgitated Knife and the Boundaries of Nature in Early Modern Medicine – Laura Sumrall (University of Sydney)
Rome and Information Control after Galileo: Gravitation and Studies on the Nature of Light – Daniele Macuglia (Art Institute of Chicago)	“To the Vandals they are stone”: German Art Criticism and the Napoleonic Looting of Italy – Alice M. Goff (University of Chicago)	Theoremata ex historia: Observational and Conceptual dynamics shaping Harvey’s account of epigenesis – Peter Distelzweig (University of St. Thomas)
Commentator: Henrique Leitão (University of Lisbon)	Commentator: Melissa Lo (Cedars-Sinai Medical Center)	The Philosopher Instrument: The Musical Physiology of the Montpellier School of Medicine – Edward Halley Barnet (Stanford University)