

Scientiae 2018, May 16-19

University of Minnesota

Programme

Wednesday, May 16th

1230-1430	Registration (Coffee)
1430-1445	Opening
1500-1630	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
1630-1700	Coffee and Tea
1700-1830	Scientiae Session
1830-1930	Spare time
1930	Conference Dinner

Friday, May 18th

0900-1030	Session 5
1030-1100	Coffee and Tea
1100-1230	Session 6
1230-1400	Lunch
1400-1600	Session 7
1600-1630	Coffee and Tea
1630-1830	Keynote <i>Vladimir Urbanek</i> (Academy of Sciences of the Czech Republic)

Saturday, May 19th

0900-1030	Session 8
1030-1100	Coffee and Tea
1100-1230	Session 9
1230-1300	Closing words & feedback

Session 1 – Wednesday May 16th, 1500-1630

Room A	Room B	Room C
Travel	Religion & Medicine	Alchemy
Chair: JD Fleming (Simon Fraser University)	Chair: Stefano Gulizia (UC Sacramento)	Chair: Krista Twu (University of Minnesota, Duluth)
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)	Between Poetical Aspirations and Scientific Endeavours: The Moroccan Alchemist Ibn Arfa ^ʿ Ra ^ʿ s (d. 1197) and His Collection of Poems The Shards of Gold (Shudhur al-dhabab) – Christopher Braun (University of Zurich)
Landscape Humanism – Raphael Falco (University of Maryland, Baltimore County)	Speik between the Alps and the Orient: local knowledge, botany and economy in circulation – Marianne Klemun (University of Vienna)	The Afterlife of Atalanta fugiens – Donna Bilak (Columbia University)
Imagining Earth – Prints as Evidence in the work of Willem Goeree – Wouter de Vries (VU Amsterdam)	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)	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
The Many Dimensions of the Premodern Mathematics of Number	Historiography	Local Knowledge / Global Networks: Botanizing for the Empire in the Late Eighteenth Century
Chair: JB Shank (University of Minnesota, Twin Cities)	Chair: Richard Raiswell (University of Prince Edward Island)	Chair: Marianne Klemun (University of Vienna)
Algebra: Scientia or Ars? – William B. Branson (St. Cloud State University)	Boethius and Disciplinarity – Krista Twu (University of Minnesota, Duluth)	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	Science in Two Empires: Recognizing Continuities in Safavid and Mughal Science –	Visibility: People, Plants, and Taxonomies in Early-Modern

Discourse in the Transatlantic Context – Molly Tun (St. Olaf College)	Peter Barker (University of Oklahoma)	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)	From common sense to the enlightened mind. Claude Perrault's shared cognitive basis of the sciences and arts – Sjoerdieke Nicolson-Feenstra (Leiden University)	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
Philosophy 1 Chair: Tzuchien Tho (University of Bristol)	Power in the 17th Century and its Legacy Chair: Mary Trull (St. Olaf College)	Interdisciplinary aspects of Athanasius Kircher’s Encyclopaedia of Music Musurgia Universalis (1650) Chair: Johann Hasler (Universidad de Antioquia)
A Third Kind of Knowledge? Plato’s Bastard Reasoning in the Early Modern Period – Guy Claessens (KU Leuven)	Psychic Power and the Omnipotence of Thoughts in Shakespeare's <i>The Tempest</i> – Benjamin Jeffery (University of Chicago)	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 4. Early computer music in the XVIIth century? Automatic and randomly generated music in the <i>Musurgia Universalis</i> (30 min.) – Susana Gómez Castaño 5. Panel discussion with audience (15 min.)
The Structural Intellectualist Theology of Descartes’ Discours de la Méthode – Patrick Brissey (University of South Carolina)	Natural Right as Power in Spinoza – Andrea Ray (University of Chicago)	
The fourth hypothesis on the union of soul and body – Lloyd Strickland (Manchester Metropolitan University)	Hume and the Balance of Power – Danielle S. Charette (University of Chicago)	
The Philosopher Instrument: The Musical Physiology of the Montpellier School of Medicine – Edward Halley Barnet (Stanford University)	Commentator: Michail Vlasopoulos (University of Chicago)	

Session 4 - Thursday May 17th, 1430 - 1630

Room A	Room B	Room C
Observing and Collecting Chair: Charlie Huenemann (Utah State University)	End-times Knowledge in the Sixteenth Century: Revelations Now Chair: William B. Eamon (New Mexico State University)	Scholarship and Devotion Chair: Cornelis J. Schilt (University of Oxford)
The Early Modern culture of collecting, museums and cabinets: A rationale according to Aristotelian epistemology – Per Landgren (University of Oxford)	Christopher Columbus's alchemical millenarianism – Ralph Bauer (University of Maryland)	Elias Ashmole's collection of devotional images – Vittoria Feola (University of Padua)
The curious observers of inhabited worlds: Huygens and Fontenelle on scientific curiosity – Daniel Špelda (Masaryk University, Brno)	From the edges of the earth to the end of time: The cosmo-apocalyptic visions of Guillaume Postel (1510-1581) – Vincent Masse (Dalhousie University)	Spirit and erudition in Jean Le Clerc's biblical scholarship – Andrea Bianchi (Catholic University of Milan)
How the Eighteenth-Century Traveler Looked at the World: Joseph Banks and the Tahiti Journals – Mona Scheuermann (Oakton Community College)	Multiplex erit: Philiatros, Bacon, and apocalyptic Brightness – JD Fleming (Simon Fraser University)	Oriental and Classical Philology in Eighteenth Century Göttingen: Philology as a Way of Knowing – Kristine Palmieri (University of Chicago)
	Commentator: William B. Eamon (New Mexico State University)	

Session 5 - Friday May 18th, 900-1030

Room A	Room B	Room C
The Many Dimensions of Premodern Geometry Chair: tbc	Literature & Medicine Chair: David Winter (Brandon University)	Mixed Religion Chair: Per Landgren (University of Oxford)
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		The Role of Czech Brethren in Dissemination of Biblical Knowledge Using Humanistic

Mathematician – JB Shank (University of Minnesota, Twin Cities)		Layout and Advanced Philological Methods – Veronika Sladká (Charles University, Prague)
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Session 6 - Friday May 18th, 1100-1230

Room A	Room B	Room C
Philosophy 2	Literature	Editing Hobbes
Chair: Lloyd Strickland (Manchester Metropolitan University)	Chair: Cassandra Gorman (Anglia Ruskin University)	Chair: Matias Slavov (UC Los Angeles)
Leibniz's a priori demonstration of vis viva and the structural foundations of physics – Tzuchien Tho (University of Bristol)	On the beach: the preternatural origins of drift whale conflicts in the later Icelandic sagas (ca. 1350-1450) – David Winter (Brandon University)	Why optics in De Homine? – Elaine Stroud (University of Wisconsin)
Intelligibility and Hume's rendition of the law of universal gravitation – Matias Slavov (UC Los Angeles)	Black and white: the natural world as conceived by Jón Guðmundsson the Learned (1574-1658) – Viðar Hreinsson (Icelandic Museum of Natural History)	Editing Hobbes's De corpore: manuscripts, scribes, and witnessing – Stephen Clucas (Birkbeck, University of London)
	Making knowledge of foreign places: the conventions of English travel writing in the Americas and elsewhere – Michael LaCombe (Adelphi University)	The Evolution of Hobbes's First Philosophy – Timothy Raylor (Carleton College)

Session 7 - Friday May 18th, 1400-1600

Room A	Room B	Room C
Workshop "Listening in the New Atlantic"	Physiognomy and Natural Temperament in the Renaissance	Food for thought
	Chair: Janice Gunther Martin (University of Notre Dame)	Chair: Steve Matthews (University of Minnesota, Duluth)
Adam Rzepka (Montclair State University) and Toby Rzepka (professional luthier and instrument maker)	The physiognomic theory of a Calvinist physician: Guglielmo Grataroli's De predictione morum naturarumque hominum (Basel, 1554) – Alessandra Celati (Stanford University)	Sacred and Universal Time in Francis Bacon's The New Atlantis – Erin Webster (College of William and Mary)

	Book of Nature, Book of Beasts: Physiognomy and Natural History in the Bestiario de Don Juan de Austria (c.1570) – Mackenzie Cooley (Stanford University)	The “Occult” and the “Manifest” in Early Modern Science: Reassessing the Contrast and Mersenne’s Contribution – Guilherme Sanches de Oliveira (University of Cincinnati)
	Francisco Pacheco and the Edge of Physiognomy – Maria Lumbreras (Johns Hopkins University)	The Geology of Art: Agostino del Riccio’s Istorie delle Pietre – Lindsay Alberts (Lesley University)
	Commentator: Brian Brege (Syracuse University)	Praiseworthy chyle”: intersections of theology and nutrition in 18th century French dietetics – Julia Reed (Harvard University)

Session 8 - Saturday May 19th, 900-1030

Room A	Room B	Room C
Mixed maths	Mad Max 2	Science & Religion
Chair: Peter Barker (University of Oklahoma)		Chair: Erin Webster (College of William and Mary)
Solving Ptolemaic Problems: A Continued Interest in Early Modern Islamicate Astronomy – Younes Mahdavi (University of Oklahoma)	A discussion with Steven Matthews (University of Minnesota, Duluth) and Cornelis J. Schilt (University of Oxford)	The Virgin and the Globe: the cosmological work of Sor María de Agreda – Kathleen Crowther (University of Oklahoma)
The Practice of Theory: The material intellectual operations underpinning the geometrical divinations of Vincenzo Viviani (1622–1703) – Simon Dumas Primbault (European University Institute, Florence)		Theorizing Knowledge Through Literary Forms: Ways of Knowing in António Vieira and Calderón de La Barca – Leonardo Grao Velloso 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, 1100-1230

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