

# Bucharest Colloquium in Early Modern Science

ICUB Humanities, 1 Dimitrie Brandza street; Faculty of Philosophy, 204 Splaiul independentei.

Wednesday, October 30<sup>th</sup>

ICUB Humanities, 1 Dimitrie Brandza street and Faculty of Philosophy, 204 Splaiul independentei

9:30 – 10:00 | Coffee & welcome

## Morning session – ICUB Humanities, 1 Dimitrie Brandza street (Chair: TBA)

10:00 – 11:00	<b>Dana Jalobeanu</b> (ICUB Humanities, Bucharest): Experiments in the making: instruments and forms of quantification in Francis Bacon’s History of dense and rare.
11:00 – 11:10	Coffee break
11:10 – 11:50	<b>Martí Clua Torres</b> (University of València): The Fourteenth-century Concept of Mathematical Function and the Development of Modern Physics
11:50 – 12:30	<b>Monica Solomon</b> (University of Notre Dame): Newton’s Water-Bucket Example: An Exercise in the Mathematization of Motion
12:30 – 12:40	Coffee break
12:40 – 13:40	<b>J. B. Shank</b> (University of Minnesota): The Artisanal and Mechanical Origins of Kepler’s Ellipses
13:40 – 16:10	Lunch break

## Afternoon session – Faculty of Philosophy, 204 Splaiul independentei (Chair: TBA)

16:10 – 16:50	<b>Sergio Orozco</b> (University of Edinburgh): ‘The present frame of nature’, or why Newton did not use ‘laws of nature’
16.50 – 17.30	<b>Troy Vine</b> (Humboldt University of Berlin): Newton’s Mathematical Approach to Colour and its Radicalization by Goethe
17:30 – 18:00	Coffee break
18:00 – 19:00	<b>Friedrich Steinle</b> (Technical University Berlin): Mathematization and experiment: Newton on dynamics and colour theory

**Dinner** (not provided)

**Thursday, October 31<sup>st</sup>**  
(ICUB Humanities, 1 Dimitrie Brandza street)

9:30 – 10:00 | Coffee

**Morning session (Chair: TBA)**

10:00 – 11:00	<b>Sébastien Maronne</b> (University of Toulouse): Experimental practices and thought experiments in early modern geometry
11:00 – 11:10	Coffee break
11:10 – 11:50	<b>Hanna Szabelska</b> (Jagiellonian University, Kraków): Discourse on the Torricellian Experiment: Between <i>linea motus</i> (Valeriano Magni) and the <i>Art of Algebraic Invention</i> (Jacob Bernoulli)
11:50 – 12:30	<b>Sam Eklund</b> (University of California, Irvine): Impossible but Free from Contradiction: Imaginary Entities in Leibniz's Mathematics
12:30 – 14:30	Lunch break

**Afternoon session (Chair: TBA)**

14:30 – 15:10	<b>Krisztián Pete</b> (University of Pécs): Berkeley's 'conceptual critique' in <i>The Analyst</i> —And how fluxionists missed its point
15:10 – 15:50	<b>Lorenzo Mileti Nardo</b> (University of Turin): The Mathematics of Experience: Wolff on Experiment and Hypothesis in the Methodology of Natural Sciences
15:50 – 16:00	Coffee break
16:00 – 17:00	<b>Philip Beeley</b> (University of Oxford): Mathematics, Mechanics, and the Transformation of Nature in the Early Royal Society

**Dinner** (not provided)

Friday, November 1<sup>st</sup>

10:00 – 11:00 | Coffee

Morning session (Chair: TBA)

11:00 – 11:40	<b>Guillem Sales Vilalta</b> (University of Barcelona): Does Mechanistic Philosophy involve Mathematization? The case of Christian Wolff (1679-1750)
11:40 – 12:20	<b>Rudolf Meer</b> (Immanuel Kant Baltic Federal University): Kant's Transcendental Justification of the Action at a Distance
12:20 – 12:30	Coffee break
12:30 – 13:30	<b>Andrew Janiak</b> (Duke University): From Newton's physics to Du Châtelet metaphysics: the limits of the empirical approach to nature

End of the Colloquium

Start of the Bucharest Graduate Conference