

INTERNATIONAL CONFERENCE

**RESPONSES TO NEWTON: THE IMPACT OF THE MATHEMATICAL-EXPERIMENTAL
PROGRAM ON (NATURAL) PHILOSOPHY, EPISTEMOLOGY AND METAPHYSICS
(1687–1800)**

KU LEUVEN, JUNE 5-7, 2019

ANDREAS VESALIUSSTRAAT 2, PI 00.38

Organizers: Laurence Bouquiaux (ULg), Karin de Boer (KU Leuven), Steffen Ducheyne (VUB), Arnaud Pelletier (ULB),
Anne-Lise Rey (Paris X), Stephen Howard (KU Leuven)

Wednesday, June 5

8.30-8.50	Registration and coffee
8.50-9.00	Welcome by the conference organizers
9.00-10.00	Mary Domski (University of New Mexico) <i>The difficulty of understanding the Principia: Newton on the nature and scope of natural philosophy</i>
PHILOSOPHIA NATURALIS	
10.00-10.45	Steffen Ducheyne (Vrije Universiteit Brussel) <i>Early Dutch responses to Newton's natural-philosophical work</i>
10.45-11.30	Yannick Van den Abbeel (KU Leuven) <i>From Newton's natural philosophy to Newtonian physics: theory, evidence and causal explanations in eighteenth-century gravitational physics</i>
11.30-12.00	Coffee
12.00-13.00	Tinca Prunea-Bretonnet (University of Bucharest) <i>Kant's reception of Newtonian metaphysics</i>
13.00-14.15	Lunch
EPISTEMOLOGY	
14.15-15.00	Marco Storni (Ca' Foscari University of Venice) <i>Early Eighteenth-Century Cartesian epistemologies</i>
15.00-15.45	Anne-Lise Rey (Université Paris Nanterre) <i>Du Châtelet's epistemology: what kind of Newtonian appropriation?</i>
15.45 -16.15	Coffee
NATURE AND GOD	
16.15-17.00	Gaston Robert (Universidad Adolfo Ibanez) <i>Causal powers, laws of nature and divine intervention: The anti-occasionalist roots of Leibniz's anti-Newtonian objection from perpetual miracles</i>
17.00-17.45	Dimitris Petakos (University of Athens) <i>William Whiston's Astronomical Principles: An anti-Trinitarian reinvention of the laws of nature</i>
17.45-18.30	Jip van Besouw (Vrije Universiteit Brussel) <i>Willem Jacob 's Gravesande's philosophical trajectory: 'between' Leibniz and Newton</i>
19.00	Conference dinner (Restaurant 'Terra' - Frederik Lintsstraat 5)

Thursday, June 6

9.00-10.00	Lisa Downing (Ohio State University) <i>Attraction and thinking matter: Locke and du Châtelet</i>
ATTRACTION	
10.00-10.45	Katherine Dunlop (University of Texas) <i>Using Wolffian metaphysics to defend Newtonian attraction: Maupertuis and Kant</i>
10.45-11.30	Stephen Howard (KU Leuven) <i>An occult quality? Kant's reception of Newtonian attractive force in the context of eighteenth-century debates</i>
11.30-12.00	Coffee
12.00-13.00	Christian Leduc (Université de Montréal) <i>Nicolas de Béguelin on the metaphysical foundations of Newton's physics</i>
1.-2.15 p.m.	Lunch
BEYOND NEWTON	
14.15-15.00	Benoît Gide (Paris 1 Panthéon-Sorbonne) <i>Reid's Newtonian psychology and his critical analysis of skepticism</i>
15.00-15.45	Troy Vine (Humboldt University of Berlin) <i>Goethe's immanent critique of Newton's theory of colour</i>
15.45-16.30	Niccolo Sbolci (University of Padova) <i>Did Hegel actually misread Newton? Reconsidering a notorious confutation</i>
16.30-17.00	Coffee
AGAINST NEWTON	
17.00-17.45	Qiu Lin (Duke University) <i>Euler's Qualified Reception of Newton's Law of Universal Gravitation</i>
17.45-18.30	Karin de Boer (KU Leuven) <i>Kant's non-Newtonian notion of experience in the Inquiry</i>

Friday, June 7

9.00-10.00	Thomas Ahnert (University of Edinburgh) <i>The philosophical usefulness of mathematics: German debates in the early Enlightenment</i>
PRINCIPIA MATHEMATICA	
10.00-10.45	Sandra Bella (Université Paris Diderot) <i>Reading Newton to make sense of the Leibnizian Calculus (1691-1708)</i>
10.45-11.30	Arnaud Pelletier (Université libre de Bruxelles) <i>How much mathematics in science? On some aspects of the debate before Kant</i>
11.30-12.00	Coffee
12.00-13.00	Philippe Hamou (Université Paris Nanterre) <i>Newton's method of science: the divided legacy</i>