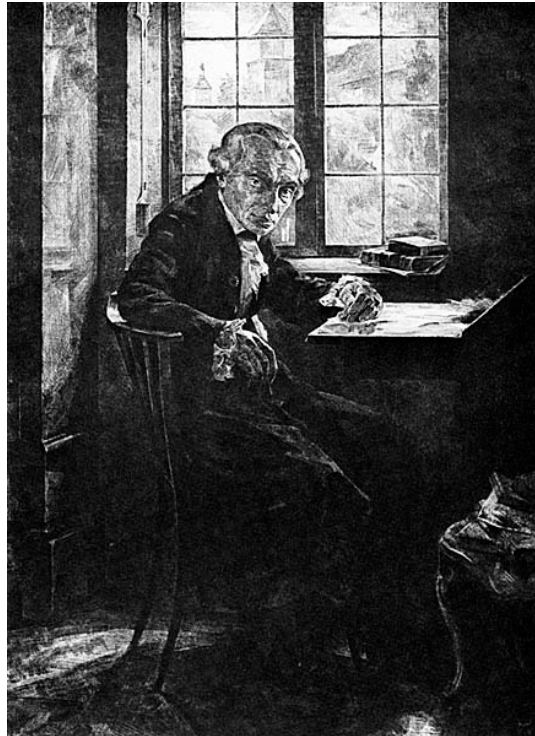


# KANTIAN RATIONALITY IN PHILOSOPHY OF SCIENCE

*Online Conference*

9-11 October, 2020

Immanuel Kant Baltic Federal University (IKBFU), Kaliningrad



Kant's notion of reason or rationality as related to the sciences is multifaceted. For instance, reason provides certain "ideas" for scientific research and for the integration of its results; it has methodological functions in theoretical explanation, experimentation (including thought experiments), or mathematical proof. Moreover, reason is the source of the "form" and "matter" of the so-called *Vernunftwissenschaften*, such as logic, mathematics, metaphysics, and pure natural science, but also plays theoretical roles in empirical sciences such as history and anthropology. In addition, reason guides the structured classification or "architectonic" of all sciences into one complete and consistent system. This diversity of aspects and activities of reason for the sciences needs to be understood; and one equally well needs to ask what, if anything, unifies that rich diversity. Last but not least, the conference also aims to take a fresh look at Kant's impact for accounts of scientific rationality up until today. How has the concept of such rationality developed after Kant? Where did he have an influence, and where did new assumptions and agendas emerge and why? Where can current debates still profit from Kant's account?

Organized by:

Prof. Dr. Thomas Sturm

Prof. Dr. Nina Dmitrieva

Dr. Andrey Zilber

*Participation is free, but please register until September 30, 2020, with Andrey Zilber (azilber@kantiana.ru).*

## PROGRAM

(Kaliningrad time = Central European Time)

### October 9

14:30 Welcome: Thomas Sturm & Nina Dmitrieva

Chair: Rudolf Meer

14:45 *Thomas Sturm*

A Pluralistic Account of Reason in Kant's Philosophy of Science

15:45 *Michiel Van Lambalgen*

Kant's Transcendental Logic Presupposes that Ideas of Reason are Totalities

16:45 *Break*

17:15 *James Hebbeler* (Philadelphia 11:15 a.m.)

Kant on Reason, Explanation, and Science

18:15 *Hein Van den Berg & Boris Demarest*

Kant on Scientific Hypotheses: Historical and Systematic Perspectives

19:15 *Break*

19:45 *Michael Bennett McNulty* (Twin Cities 12:45 a.m.)

The Unity of Reason and Its Varieties: Systematicity in Chemistry, Psychology, and Natural History

### October 10

Chair: Martin Sticker

14:30 *Rudolf Meer*

Between *Old* and *New Teleology*. Kant on Maupertuis' *Principle of Least Action*

15:30 *Sergio Alberto Fuentes Gonzalez*

Thought Experiments in Kant's Philosophy: Types, Roles and Applications

16:30 *Break*

17:00 *Lydia Patton* (Virginia 11:00 a.m.)

Worlds and Powers: Reason in Kant's Theory of Matter in the *Metaphysical Foundations of Natural Science*

18:00 *David Hyder* (Ottawa 12:00 a.m.)

Space, Time and Cause: The Rational Determination of Nature in Kant and Einstein

19:00 Break

19:30 *Huaping Lu-Adler* (San Jose, CA 10:30 a.m.)

Kant's Theory of Testimony and Its Use in Natural Science  
– With a Case Study of his Treatment of Travel Reports

**October 11**

Chair: Vadim Chaly

14:30 *Valentin Bazhanov* (Ulyanovsk 17:30)

The Concept of Number Through the Lens of the Kantian Research  
Program in Current Neuroscience

15:30 *Alexey Zhavoronkov* (Moscow 16:30)

Kant's Pragmatic Reason in Contemporary Sociology: Third Way or Methodological  
Impasse?

16:30 Break

17:00 *Karin De Boer & Pavel Reichl*

Kantian Elements in Kuhn's Theory of Science

18:00 *Leonid Kornilaev*

The Problem of Unity and Disunity of Science: Kant vs. Kuhn

19:00 Break

19:30 *Angela Breitenbach* (Cambridge 18:30)

Kant's Normative Conception of Science

*End of Conference*

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## SPEAKERS

**Valentin Bazhanov** – Ulyanovsk State University / Immanuel Kant Baltic Federal University (Kaliningrad)

**Angela Breitenbach** – King's College, University of Cambridge

**Karin De Boer** – Catholic University of Leuven & **Pavel Reichl** – Heidelberg University

**James Hebbeler** – Saint Joseph's University (Philadelphia)

**Michael Bennett McNulty** – University of Minnesota (Twin Cities)

**Sergio Alberto Fuentes Gonzalez** – Immanuel Kant Baltic Federal University (Kaliningrad)

**David Hyder** – University of Ottawa

**Leonid Kornilaev** – Immanuel Kant Baltic Federal University (Kaliningrad)

**Huaping Lu-Adler** – Georgetown University

**Rudolf Meer** University of Graz / Immanuel Kant Baltic Federal University (Kaliningrad)

**Lydia Patton** – Virginia Polytechnic Institute and State University

**Thomas Sturm** – Universitat Autònoma de Barcelona & ICREA / Immanuel Kant Baltic Federal University (Kaliningrad)

**Michiel Van Lambalgen** – University of Amsterdam

**Hein Van den Berg** – University of Amsterdam & **Boris Demarest** – Heidelberg University

**Alexey Zhavoronkov** – Institute of Philosophy, Russian Academy of Sciences (Moscow) / Immanuel Kant Baltic Federal University (Kaliningrad)

This event is the first in a series of three international conferences organized by the [Kantian Rationality Lab](#) – an international research project located at the Immanuel Kant Baltic Federal University (Kaliningrad). The project, with currently 20 team members, focuses in study of Kantian rationality in philosophy of science, in ethics and in the project of Enlightenment.

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