

**Name:** Daian Bica

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**Academic title:** Ph.D. Student, Heinrich-Heine-Universität, ORCID-0009-0005-2468-0703

**Areas of specialization:** General Philosophy of Science (esp. Scientific Realism, Scientific Modelling, Scientific Practices), Metaphysics of Science (esp. Laws, Dispositions, Levels of Organisation), Early Modern Science/Philosophy (esp. Newton, early modern metaphysics of laws, Experimental Philosophy)

## **Educational Background**

**September 2021 – June 2025** (expected) : Heinrich-Heine-Universität, Faculty of Philosophy, Ph.D. (“Humean Laws from a Perspectival Point of View. HPS, Epistemic Pluralism, and Scientific Realism”; written in English); First Supervisor: Prof. Dr. Markus Schrenk, Second Supervisor: Dr. Siegfried Jaag

**October 2019 – June 2021:** University of Bucharest, Faculty of Philosophy, Analytic Philosophy, M.A., English tuition (“Laws across perspectives. Integrating Metaphysics and HPS” – written in English); supervisor Prof. Dr. Dana Jalobeanu

**October 2016 – June 2019:** University of Bucharest, Faculty of Philosophy B.A., **Theoretical Philosophy;** (“Constructive Empiricism and the Epistemology of Stances”- in written Romanian); supervisor Prof. Dr. Ilie Pârnu

## **Involvement in Academic Events**

**May 2024: Düsseldorf Graduate Workshop,** Heinrich-Heine-Universität Düsseldorf, The Modal-Explorative Understanding of Newton’s Experimental Methodology

**May 2024: Lakatos Award Expert Workshop on Michela Massimi’s Perspectival Realism** LSE London, “Humean Laws for Cognitive Creatures versus Humean Laws for Scientific Communities. Revisiting Massimi’s Perspectival Realism” (invited speaker)

**March 2024: XPHIUK Workshop Series,** University of Manchester, “The Safety Dilemma Put to the Test” (shared work with Isabelle Keßels, first contributor and Paul Hasselkuß, second contributor)

**September 2023: SOPHIA Analytic Graduate Conference,** University of Salzburg, “The World for Word is Scale: Perspectives, Instrumentation, and Scales”

**April 2023: Thinking at the Limit: Philosophy’s Future,** Duquesne University of Pittsburgh, “Perspectives, Scales, Limits.”

**March 2023: British Society of History of Science Postgraduate,** University of Oxford, “I feign no hypotheses”: Newton’s concept of non-resisting aether as a fictional model”

**September 2022: SOPHIA Analytic Graduate Conference**, University of Salzburg, “What is like to be a perspectival realist? The Spectrum Analogy”

**April 2022: British Society of History of Science Postgraduate Conference**, University of Birmingham, “Newton on the models of aether and the law of universal gravitation. A methodological shift”

**October 2021: Metaphysics as Modelling. Contemporary and Kantian Issues** (workshop), Trier University & Heinrich Heine University

**September 2021: SOPHIA Analytic Graduate Conference**, University of Salzburg, “Natural Properties at the Heart of Scientific Practice”

**April 2021: Bucharest Graduate Conference in Theoretical Philosophy**, “Natural Properties at the Heart of Scientific Practice”

**April 2021: British Society of History of Science Postgraduate Conference**, University of Leeds, “Newton on powers, activity and the law of universal gravitation”

**March 2021: Laws and Explanations in Metaphysics and Science** (workshop), Heinrich Heine University

**November 2019: Bucharest Graduate Conference in Early Modern Philosophy 8<sup>th</sup> edition**, “The metaphysical place of the principles in Newton’s System of the World”

**March 2019: CCIIF Conferences**, Faculty of Philosophy, University of Bucharest, “Empiricism as an epistemic stance”

**April 2018: ERGO Conference of Philosophy and Humanities**, Babeş-Bolyai University, Cluj Napoca, Romania, “Accepting the demands of pessimistic meta-induction argument”

### **List of publications**

“Massimi’s Perspectival Garden with Inferential Paths” in *International Studies in Philosophy of Science*, Volume 35, 2022 - Issue 3-4

DOI:10.1080/02698595.2023.2191168

“New work for a theory of aesthetic revolutions. A Kuhnian shift from philosophy of science to philosophy of art”, in *Revue Roumaine de Philosophie*, 2022, Vol. 67 1:139-146

“Causal Powers in the Framework of the Early Modernity” in *Journal of Early Modern Studies*, vol.9 2020, 2: 141-150, <https://doi.org/10.5840/jems20209216>

“Thinking with Mechanisms. Mechanical Philosophy and Early Modern Science” in *Journal of Early Modern Studies*, vol.9 2019, 1: 133-141,

<https://doi.org/10.5840/jems2020916>

“Laws across perspectives” in *Romanian Journal of Analytic Philosophy*, Vol. XIII, 2019 Nr. 1-2: 61-84

“The Last Nail in the Coffin of Scientific Theories” in *Romanian Journal of Analytic Philosophy*, Vol. XII. Nr. 2018 1-2: 152-165

### **Work in progress/Paper drafts**

“Humean Laws for Scientific Communities versus Humean Laws for Cognitive Creatures“ (draft)

“The modal-explorative understanding of Newton’s metaphysics of laws “ (draft)

“The Safety Dilemma Put to the Test” (draft)

### **Teaching experience**

WiSe 2022: Supervision of a M.A. thesis on perspectivism and scientific modelling, English

SoSe 2023: Experimentelle Philosophie in der Praxis (together with Isabelle Kessels & Paul Hassekuß, the primary instructors), B.A. Level, German

SoSe 2024: Wissenschaftlicher Perspektivismus, B.A. Level, German (main instructor)

WiSe 2025 (planned): Wissenschaftliche Metaphysik, B.A. Level, German (main instructor)

### **Professional service:**

*philpapers* (permanent assistant editor responsible for the law of nature category together with Prof. Markus Schrenk, the main editor), *European Journal for Philosophy of Science*

### **Organization of academic events**

**May 2024:** Düsseldorf Graduate Workshop: What Do We Talk About When We Talk About (Scientific) Practices (third edition), co-organised with M.A. Paul Hasselkuß

**November 2019:** Bucharest Graduate Conference in Early Modern Philosophy (8<sup>th</sup> edition)

**October 2019:** Bucharest Colloquium in Early Modern Science

**2018-2019:** regular meetings of the Department of Theoretical Philosophy/Conferintele ICIF

### **Language skills:**

Romanian (native), English (C1 – IELTS Certificate), German (C1 – Test DaF)

### **Scholarships**

**June 2022 – June 2025** (expected period of funding) Heinrich-Böll-Stiftung Promotionsförderung/full Ph.D. scholarship from Heinrich Böll Scholarship

**2022 – 2023** DAAD 1-Year Research Funding (awarded, but declined in favor of Heinrich-Böll-Stiftung)

**September 2020 – June 2021** Scholarship for excellence in research, Faculty of Philosophy, University of Bucharest.

**October 2016 – June 2019** Scholarship, Faculty of Philosophy, University of Bucharest.

### **Working experience (outside academia)**

**2012-2016:** Part-time cultural journalist at ARQ newspaper's redaction (local newspaper in Arad), <https://www.arq.ro/>