

KATI KISH BAR-ON

Curriculum Vitae

Science, Technology and Society Program
Massachusetts Institute of Technology
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Academic Appointments

2022 - 2025 Postdoctoral fellow, **Massachusetts Institute of Technology**
The Science, Technology and Society program

Education

2016-2022 **Ph.D., Philosophy**, the Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University
Dissertation: 'Living with contradiction: Testing models of framework transitions through Brouwer's intuitionism'
Advisors: Menachem Fisch and Leo Corry

2012-2014 **M.A., Philosophy**, Tel Aviv University
(*magna cum laude*)
Dissertation: 'The Concept of Illusion in Daya Krishna's Philosophy'
Advisor: Daniel Raveh

2009-2012 **B.A., Economics and Philosophy**, Tel Aviv University
(*magna cum laude*)

Research Works

Monographs:

1. *Rethinking Intuitionism: Individuals, Communities, and the Evolution of Mathematical Knowledge* (advance contract, **Springer**)

Peer-Reviewed Journal Articles:

2. (2024) Neither Human Normativity nor Human Groupness Are in Humanity's Genes: A Commentary on Cecilia Heyes's "Rethinking Norm Psychology" (with Ehud Lamm). *Perspectives on Psychological Science* 19(1): 46-48
<https://doi.org/10.1177/17456916231187391>
3. (2023) Connecting the revolutionary with the conventional: Rethinking the differences between the works of Brouwer, Heyting, and Weyl. *Philosophy of Science* 90, (3): 580-602. <https://doi.org/10.1017/psa.2022.97>
4. (2023) The Interplay of Social Identity and Norm Psychology in the Evolution of Human Groups (with Ehud Lamm). *Philosophical Transactions of the Royal Society B: Biological Sciences* 378: 20210412.
<https://doi.org/10.1098/rstb.2021.0412>

5. (2022) From Philosophical Traditions to Scientific Developments: Reconsidering the Response to Brouwer's Intuitionism. *Synthese* 200, 521.
<https://doi.org/10.1007/s11229-022-03908-3>
6. (2021) Towards a new philosophical perspective on Hermann Weyl's turn to intuitionism. *Science in Context*, volume 34(1): 51-68.
<https://doi.org/10.1017/S0269889722000047>
7. (2020) Obligations to whom, obligations to what? A philosophical perspective on the objects of our obligations. *Behavioral and Brain Sciences*, Volume 43, E58
<http://dx.doi.org/10.1017/S0140525X19002395>

Under review:

8. Unraveling Polarization: Insights into Individual and Collective Dynamics (with Eugen Dimant, Yphtach Lelkes, and David G. Rand). Under review, *PNAS Nexus*
9. Mathematics and Society Reunited: The Social Aspects of Brouwer's Intuitionism. Revised & Resubmitted, *Studies in History and Philosophy of Science*
10. Beyond Binary Group Categorization: Towards a Dynamic View of Human Groups. Under review, *Philosophical Psychology*

In writing:

11. Hermann Weyl's Social and Mathematical Neighborhoods: How Ideas, Individuals, and Society Interact
12. Can Mathematical Realism and Mathematical Pluralism Coincide? A Perspectival Approach

Fellowships & Scholarships

2024	Humane Studies Fellowship , the Institute for Humane Studies, George Mason University	\$3K
2023-2025	Marie Skłodowska-Curie Actions Global Postdoctoral Fellowship. European Commission Horizon Europe. Project acronym: TOKMAT, project number 101108426.	€197K
2023-2024	Lady Davis Postdoctoral fellowship, Hebrew University of Jerusalem (<i>waived</i>)	
2023-2024	Edelstein center for the history and philosophy of science, technology and medicine postdoctoral fellowship, Hebrew University of Jerusalem (<i>waived</i>)	
2022-2023	Rothschild fellowship , Yad Hanadiv	\$65K
2022-2023	Technion Post-Doctoral fellowship (<i>waived</i>)	
2016-2021	Scholarship for distinguished graduate students , Tel Aviv University	\$48K

Prizes & Awards

- 2023 **Amos Funkenstein Prize** for a daring and highly original Ph.D. dissertation, the Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University
- 2022 **NSF Travel Grant** Award
- 2021 **Best publication award** for PhD students in peer-reviewed journals, School of Philosophy, Linguistics and Science Studies, Tel Aviv University
- 2019 Travel grant, **University of Tennessee**
- 2017 Travel grant, **Tel Aviv University**

Conference Presentations and Invited Talks

- The Sciences of Ethics and Political Philosophy group, CFCUL Lisbon (2024)
- International Day of Mathematics meeting, DMRC (2024)
- World Logic Day Workshop, Chapman University, CA (2024)
- History of Science department, Harvard University, MA (2024)
- Center for Philosophy of Science, University of Pittsburgh, PA (2023)
- Program in History & Philosophy of Science, Stanford, CA (2023)
- Negotiation, Organizations & Markets Unit, Harvard Business School, MA (2023)
- Social Identity & Morality Lab, New York University, NY (2023)
- Department of History and Philosophy of Science, University of Cambridge, UK (2023)
- International Society for the History, Philosophy and Social Studies of Biology, University of Toronto, Canada (2023)
- 26th conference of the New Israeli Philosophy Association, Israel (2023)
- The History, Anthropology, and Science and Technology Studies program seminar, Massachusetts Institute of Technology, MA (2023)
- The annual MIT-Harvard-Princeton conference in the history of the physical sciences, Princeton University, NJ (2023)
- Penn Center for Social Norms and Behavioral Dynamics, University of Pennsylvania, PA (2022)
- Israeli Society for the History, Philosophy and Sociology of Science conference, Israel (2022)
- The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University, Israel (2022)
- 15th Annual Cambridge Graduate Conference on the Philosophy of Mathematics and Logic, University of Cambridge, UK (2022)
- 27th Biennial Meeting of the Philosophy of Science Association, Baltimore, MD (2021)
- 32nd Novembertagung on the History and Philosophy of Mathematics (2021)
- Cultural Evolution Society conference (2021)
- Human Behavior and Evolution Society conference (2021)
- Universals' Locales workshop, University of Edinburgh, UK (2020)
- 16th International Congress on Logic, Methodology and Philosophy of Science and Technology, Prague (2019)
- Munich Center for Mathematical Philosophy, Germany (2017)

Teaching Experience

- Spring 2022 **Teaching assistant**, Tel Aviv University
The historical development of mathematics: from the Greeks to Newton
- Spring 2016 **Instructor**, Tel Aviv University Youth Program (Noar Shoher Mada)
Introduction to programming languages and computer science
Introduction to Indian Philosophy
- Fall 2013 **Instructor**, Tel Aviv University, Department of Philosophy
Indian Philosophy – Advanced course
- 2008-2009 **Psychometric (SAT) test instructor**, Kidum (former Lachman)

Academic Training

- 2024 **Research Mentoring Training Certificate**, Massachusetts Institute of Technology
Career Advising & Professional Development
- 2024 **Grant Writing Training Certificate**, Massachusetts Institute of Technology
Career Advising & Professional Development
- 2023 **Kaufman Teaching Certificate Program**, Massachusetts Institute of Technology
Teaching and Learning Lab

Academic Service

- Reviewer for: Erkenntnis
History and Philosophy of Logic
Mathematical Reviews

Research Experience

- 2018-2022 **Research Assistant**, School of Economics, Tel-Aviv University (Prof. Itzhak Gilboa)
Decision theory; game theory; notions of rationality.
- 2017 **Research Assistant**, School of Management, Tel Aviv University (Prof. Chaim Fershtman)
Sociological aspects in economics; social choice theory.

Conference Organization and Reading Groups

- 2024 *Emerging Trends in History, Philosophy and Sociology of Mathematics: Communities, Individuals, and Institutions* workshop, **MIT**
- 2023-2024 *Mathematical Proof and the Sociology of Mathematics* Reading Group, **MIT & Tel Aviv University**
- 2023 *Directions of Polarization, Social Norms, and Trust in Societies: Perspectives from behavioral sciences* workshop, **MIT**
- 2023 *Historical Axiomatics* workshop, **Stanford**
- 2022-2023 *Mathematical Knowledge, Understanding, and Means* Reading Group, **MIT & Tel Aviv University**
- 2021-2022 *Mathematics, Culture, and Society* Reading Group, **Tel Aviv University**

2019 *Otherness, Responsibility, Equality and Solidarity: Perspectives on Cultural and Gender Perceptions in Social Space* conference, **Tel Aviv University**

Membership in Professional Societies

Diversity of Mathematical Research Cultures and Practices fellow (DMRCP)
Philosophy of Science Association
Philosophy of Mathematics Association
New Israeli Philosophy Association
Israeli Society for the History, Philosophy and Sociology of Science
Cultural Evolution Society
Human Behavior and Evolution Society
International Society for the History, Philosophy, and Social Studies of Biology

Non-academic Jobs

2013-2016 **Software developer**, Forcepoint, Israel.
Programming languages: Python, JAVA, JavaScript, ExtJS.
2010-2011 **HTML and CSS developer**, Check Point, Israel