Phillip Hintikka Kieval (he/him/his)

Department of History and Philosophy of Science University of Cambridge Free School Lane Cambridge, CB2 3RH, United Kingdom

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Specialization

Philosophy of Science · Philosophy of Machine Learning · Philosophy of Neuroscience · AI Ethics

Comptetence

Pragmatism · Feminist Philosophy · Political Philosophy · Logic

Education

University of Cambridge

PHD in History and Philosophy of Science
Supervisor: Marta Halina Advisor: Hasok Chang

University of Houston

MA in Philosophy
BA in Philosophy
2019-2021
Magna Cum Laude with University Honors and Honors in Major

2021-present

Work Experience

Student Fellow 2022-present

Leverhulme Center for the Future of Intelligence, University of Cambridge

Awards & Fellowships

Best Student Paper Award, Issues in XAI4, TU Delft, Delft, Netherlands

Gates Cambridge Scholarship, Gates Trust / Link

Graduate Teaching Assistantship, Department of Philosophy, University of Houston

Mellon Research Scholars Fellowship, Andrew W. Mellon Foundation / Link

2018-2019

Publications

2. Kieval P. H. (2022b). Permission to believe is not permission to believe at will. *Synthese*, 200(347): 1-12

I. Kieval, P. H. (2022a). Mapping representational mechanisms with deep neural networks. *Synthese*, 200(196): 1-25

Talks & Presentations

Refereed

8. "Automated Exploration, Understanding, and Semantic Opacity," 13 November 2022 Philosophy of Science Association 2022 Pittsburgh, PA 7. "Biased-by-design: why algorithms are necessarily value-laden" 19 October 2022 Graduate Student Workshop on Philosophy of Machine Learning Max Planck Institute for Intelligent Systems in Tübingen 6. "Biased-by-design: why algorithms are necessarily value-laden" 3 June 2022 Ethical Issues in AI and Computing Conference Embedded EthiCS @ Harvard in partnership with Social & Ethical Responsibilities of Computing at MIT, Harvard University 5. "Unsupervised Discoveries, Understanding, and Semantic Opacity," 25 May 2022 Issues in XAI #4 - Explanatory AI: Between ethics and epistemology TU Delft 4. "Unsupervised Discoveries, Understanding, and Semantic Opacity," 13 May 2022 Rotman Graduate Student Conference 2022: Models and Idealization Rotman Institute of Philosophy 3. "Unsupervised Discoveries, Understanding, and Semantic Opacity," 23 April 2022 4th Annual Scientific Understanding and Representation (SURe) Workshop, Fordham University 2. "Unsupervised Discoveries, Understanding, and Semantic Opacity," 16 December 2021 Philosophy in Informatics VI

INVITED

I. "Artificial Achievements,"

Rice-UH Graduate Conference, Rice University

2. "Biased-by-design: why algorithms are necessarily value-laden" 7 May 2022
Gates Day of Research, University of Cambridge

"Unsupervised Discoveries and Semantic Opacity in Data-driven Neuroscience,"
 Poldrack Lab, Stanford University

2 October 2021

Teaching

University of Cambridge

Supervisor

PART II, PAPER 6 Ethics and Politics of Technology

Lent 2022

University of Houston

TEACHING ASSISTANT

PHIL1321 Logic I
PHIL1301 Introduction to Philosophy
PHIL1321 Logic I
PHIL1321 Logic I
PHIL1321 Logic I
Spring 2020

GRADING ASSISTANT

PHIL1301 Introduction to Philosophy
PHIL1361 Philosophy and the Arts
Summer 2020

Professional Activities

DIVERSITY AND INCLUSION

Wellness, Inclusion, Diversity, and Equity (WIDE) Committee Member,

Leverhulme Center for the Future of Intelligence, University of Cambridge

Organizing Committee, Cambridge University Minorities and Philosophy (MAP)

BIPOC Philosophical Film Series with UH Minorities and Philosophy (MAP)

April 2021
funded by The Media and the Moving Image Initiative (MMI)

Co-Founder, University of Houston Chapter of Minorities and Philosophy (MAP)

COMPASS: Undergraduate Philosophy Workshop,

University of Texas at Austin Chapter of Minorities and Philosophy (MAP)

Preventing Genocide: Global and Local Workshop and Teach-in (*invited*),

October 2017

Hobby School of Public Affairs' Civitas Program and UH Human Rights Series,

The Honors College at the University of Houston

Displaced Populations: Statelessness and Refugee Crises, UH Human Rights Series,

April 2017
The Honors College at the University of Houston

Tutoring and Mentorship

Learning for Purpose Co-director, Gates Cambridge Scholars Council

202I-2022

LAUNCH Tutor for Logic I and Logic II,

2018-2019

Undergraduate Student Success Center at the University of Houston

LAUNCH Tutor for Writing and Rhetoric,

2018-2019

Undergraduate Student Success Center at the University of Houston

Graduate Coursework

University of Houston

Logic and Ontology, James Garson Spring 2021 Luck and Achievment, Christy Mag Uidhir Spring 2021 The Problem of Evil, Luis Oliveira Spring 2021 Philosophy of Science*, Josh Weisberg Spring 2021 The Meta-problem of Consciousness, Josh Weisberg Fall 2020 The Methods of Ethics, David Phillips Fall 2020 Deep Learning, Cameron Buckner Spring 2020 Temporal Asymmetries, Yael Lowenstein Spring 2020 Inference and Reference, James Garson Fall 2019 Doxastic Agency, Luis Oliveira Fall 2019 Philosophy of Film, Christy Mag Uidhir Fall 2019

RICE UNIVERSITY (VISITING STUDENT)

Origins of Mind, Alex Morgan
Personal Relationship Goods, Elizabeth Brake
Speing 2020

^{* =} Course audited

References

Marta Halina

Associate Professor Department of History and Philosophy of Science University of Cambridge mh8oi@cam.ac.uk

Cameron Buckner Associate Professor Department of Philosophy

cjbuckner@uh.edu

Hasok Chang

Hans Rausing Professor Department of History and Philosophy of Science University of Cambridge hc372@cam.ac.uk

Luis Oliveira

Assistant Professor Department of Philosophy Irolivei@central.uh.edu