

# Sharon Elizabeth Huang Berry

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## Education

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### Ph.D. in Philosophy, Harvard University, 2004-2013

Advisors: Warren Goldfarb (primary), Peter Koellner, Ned Hall and Bernhard Nickel

### B.A. in Philosophy and Mathematics (double major) *summa cum laude*, Columbia University, 2000-2004

## Areas of Research and Teaching

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### Areas of Specialization (AOS)

Epistemology, Philosophy of Mathematics and Logic, Metaphysics, Metaethics

### Areas of Competence (AOC)

Philosophy of Science, Language, Ethics, Early Modern Philosophy, History of Analytic Philosophy

## Employment

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**Ashoka University**, Associate Professor

*Fall 2021 to present*

**Oakland University**, Special Instructor

*2018 - Fall 2021*

**The Polonsky Academy for Advanced Study**, postdoctoral researcher

*2014 - 2018*

**Australian National University**, postdoctoral researcher

*2013 - 2014*

(Philosophical Progress ARC Grant under David Chalmers and Daniel Stoljar)

## Book

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*A Logical Foundation for Potentialist Set Theory* published by Cambridge University Press 2022

## Publications

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$\Sigma_1^0$  Soundness Isn't Enough *British Journal of Philosophy of Science* (forthcoming)

Review of Justin Clarke Doane's *Morality and Mathematics*, *Ethical Theory and Moral Practice* (forthcoming)

Physical Possibility and Determinate Number Theory *Philosophia Mathematica* (2021)

Coincidence Avoidance and Formulating the Access Problem. (2020) *Canadian Journal of Philosophy* 50(6), 687-701.

Quantifier Variance, Mathematicians' Freedom and the Revenge of Quinean Indispensability? (2020) *Erkenntnis*

Gunk Mountains: A Puzzle. (2019) *Analysis* 79 (1).

**Knowledge of Logical Coherence and EDAs in Mathematics.** in *Evolutionary Debunking Arguments* Routledge Studies in Contemporary Philosophy (forthcoming).

**External World Skepticism, Confidence and Psychologism about the Problem of Priors.** (2019) *The Southern Journal of Philosophy* 57 (3).

**(Probably) Not Companions in Guilt** (2018). *Philosophical Studies* 175 (9).

**Modal Structuralism Simplified** (2018). *Canadian Journal of Philosophy* 48 (2).

**Review of Agustin Rayo's *The Construction of Logical Space*** (2015). *Mind*.

**Chalmers, Quantifier Variance and Mathematicians' Freedom.** in *Quantifiers, Quantifiers, and Quantifiers: Themes in Logic, Metaphysics, and Language* (2015). Synthese Library (Studies in Epistemology, Logic, Methodology, and Philosophy of Science), vol 373.

**Malament-Hogarth Machines and Tait's Axiomatic Conception of Mathematics.** (2014). *Erkenntnis* 79 (4).

**Default Reasonableness and the Mathoids.** (2013). *Synthese* 190 (17).

## Awards and Honors

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PI Academy Scholar 2018-2019 (a grant supporting a campus visit and mentorship from Hartry Field)

Year-long Research Fellowship from the Martin Fund 2010-11

Member of PHI BETA KAPPA society since 2004

Dean's List 2000-2004 Columbia University

Arthur Rose Teaching Assistantship 2003

## Some Presentations

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"Mathematical Analogies and the Enhanced Indispensability Argument"

–Keynote 'Mathematics and Analogical Reasoning' conference at the Munich Center for Mathematical Philosophy (MCMP) June 2022 (upcoming)

TBA

–Invited talk at 'Understanding Reflection' conference at the MCMP June 2022 (upcoming)

"Hamkins' Multiverse and Applied Mathematics"

– UNICAMP-Konstanz Philosophy of Set Theory Seminar 2021

" $\Sigma_1^0$  Soundness isn't Enough: Number Theoretic Indeterminacy's Unsavory Physical Commitments"

– American Philosophical Association Central Division Meeting February 2021

"Hamkins' Multiverse: An Explanatory Indispensability Worry"

– London Group for Formal Philosophy

"Hamkins' Multiverse and Taking The Analogy Between Set Theory and Geometry Seriously"

– Mind/Aristotelian Society Joint Sessions July 2020

"The Residual Access Problem"

– American Philosophical Association Eastern Division Meeting 2020

“Physical Possibility and Determinate Number Theory”

– Mind/Aristotelian Society Joint Sessions 2018

“The Access Problem and Knowledge of Logical Possibility”

– Invited talk at the Munich Center for Mathematical Philosophy 2018

“Gunk Mountains: A Puzzle”

– Mind/Aristotelian Society Joint Sessions 2017

“Mathematical Objects and Ordinary Objects”

– Australasian Association of Philosophy Conference 2014

“Cole’s Institutional Account of Mathematical Objects and the Problem of (Apparently) Incompatible Stipulations”

– Stanford University, 2nd CSLI Workshop on Logic, Rationality & Intelligent Interaction 2013

“Mathematical Knowledge and Combinatorial Possibility: A Two-Pronged Strategy for Solving the Access Problem”

– Columbia-NYU Annual Philosophy Graduate Conference 2011

– Cambridge Graduate Conf. on the Philosophy of Logic and Mathematics 2011

“Malament-Hogarth Spaces and Empirical Revisions of Mathematical Beliefs”

– Cambridge Graduate Conf. on the Philosophy of Logic and Mathematics 2009

## Teaching, Programming and Course Design

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2021 (Ashoka University)

Instructor for: Early Modern Philosophy and Metaethics

2020-2021 (Oakland University)

Instructor for: Introduction to Logic, Symbolic Logic and Advanced Logic

2019-2020 (Oakland University)

Instructor for: Introduction to Logic and Theory of Knowledge

2018-2019 (Oakland University)

Instructor for: Introduction to Logic, Symbolic Logic and Advanced Logic

Co-designed and wrote a practice problem checking website for Harvard’s Intro Logic Class 2013

<http://deductivelogic.org/EMR17/pset989>

2010-2011 (Harvard University)

Introduction to Philosophy teaching assistant (TF); Philosophy of Mathematics TF; Philosophy of Language TF

2009-2010 (Harvard University)

Intermediate Logic TF; The Later Philosophy of Wittgenstein TF; QR22 Introductory Logic TF

2008-2009 (Harvard University)

Intermediate Logic TF; Epistemology TF; Junior Tutorial: A Priori Knowledge (**sole instructor**)

2007-2008 (Harvard University)

Plato TF; Philosophy of Physics TF; The Rationalists TF; Philosophy of Language TF

2006-2007 (Harvard University)

Introduction to Moral Philosophy; Social Protest TF

## **Languages**

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English (Native Speaker), Latin (6 years), German (2 years)