

Xinhe Wu

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RESEARCH AND TEACHING INTERESTS

AOS: Philosophical Logic, Mathematical Logic, Philosophy of Language,
Metaphysics

AOC: Philosophy of Mathematics, Epistemology, Philosophy of Mind,
History of Logic

EMPLOYMENT

Department of Philosophy and Religious Studies, North Carolina State University,
Raleigh, NC 2023–Present
Assistant Professor of Philosophy

Department of Philosophy, University of Bristol, Bristol, UK 2022–2023
Postdoctoral Research Associate on the ERC project “Truth and Semantics”
Principal Investigator: Johannes Stern

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA 2017-2022
Ph.D. in Philosophy.
Minor: Mathematical Logic
Dissertation: *Boolean-Valued Models and Their Applications*
Committee: Vann McGee, Agustín Rayo, Stephen Yablo

University of Notre Dame, Notre Dame, IN 2013-2017
B.A. in Philosophy and Mathematics. *summa cum laude*.
Senior Thesis: *Sorites Paradox, Context Sensitivity and Knowability*
Advisor: Jeff Speaks

PAPERS

1. “Boolean Mereology” (Forthcoming). *Journal of Philosophical Logic*.
2. “Boolean-Valued Models, Boolean Valuations, and Löwenheim-Skolem Theorems” (Forthcoming). *Journal of Philosophical Logic*.
3. “Boolean-Valued Models of Set Theory with Urelements”, with Bokai Yao (Under Review).

PRESENTATIONS

- 2023 “Vague Identity: A Uniform Approach”
2023 Midwest PhilMath Workshop, University of Notre Dame.
- “Full and Mixed Models”
Two-Day Logic Meeting, University of Bristol.
- “Vague Identity: A Uniform Approach”
Truth, Vagueness, and Indeterminacy" Conference, University of Bristol.
- “Indeterminacy and Boolean-Valued Semantics”
Horsten-Antos Seminar, University of Konstanz.
- “Boolean-Valued Models of Set Theory with Urelements”
Philosophy of Mathematics Seminar, University of Oxford.
- “Boolean-Valued Models and Vague Identity”
Work in Progress Seminar, King's College London.
- “Vagueness in Parthood and Identity: Applications of Boolean-Valued Semantics”
Logic Seminar, Peking University
- 2022 “Boolean Mereology”
Foundational Studies Bristol, University of Bristol.
- “Boolean Valued Models, Boolean Valuations, and Löwenheim-Skolem Theorems”
Colloquium Logicum, University of Konstanz.
(Accepted but canceled due to visa reasons)
- “A Theory of Boolean-Valued Models”
Philosophy of Logic, Math, and Physics (LMP) Graduate Student Conference,
Western University.
- 2021 “Boolean Mereology”
Work in Progress Seminar, MIT
- “A Theory of Boolean-Valued Models”

2021 Midwest PhilMath Workshop, University of Notre Dame.

- 2020 “Vagueness: A Cognitive Perspective”
MITing of the Minds, MIT. Comments by Stephen Yablo.
“More Puzzles of Ground and a Way Out”
Colloquium: Grounding and Metaphysical Explanation, 2020 APA Pacific.
(Accepted but canceled due to pandemic)
- 2019 “Higher-Order Logics”
Llamm Reading Group, MIT. Three-day presentation series.
“Vague Predicates as Circular Concepts”
Massachusetts and Rhode Island Graduate Student Conference, University of
Massachusetts Amherst. Comments by Louis Gularte.
“Vague Predicates as Circular Concepts”
MATTI Seminar, MIT.
- 2018 “What Grounds $T(p)$?”
MATTI Seminar, MIT.

AWARDS AND FELLOWSHIPS

- 2017 Presidential Fellowship for Graduate Studies (MIT)
2017 The Dockweiler Medal in Philosophy (Notre Dame)
2017 The John A. Oesterle Award in Philosophy (Notre Dame)
2013 Notre Dame Greater China Scholarship (Notre Dame)

TEACHING

As Primary Instructor

- Fall 2023 Symbolic Logic (NCSU)
Fall 2023 Philosophy of Language (NCSU)

As Course Developer

- Fall 2021 Paradox and Infinity (MIT)
(MITx Link: <https://mitxonline.mit.edu/courses/coursev1:MITxT+24.118x/>)

As Teaching Assistant (instructor in parentheses)

- Fall 2020 Problems of Philosophy (MIT, Alex Byrne)
Spring 2020 Minds and Machines (MIT, Jackson Kernion)
Spring 2019 Paradox and Infinity (MIT, Agustín Rayo)

SERVICE

Fall 2020 - Spring 2021	Representative to the Committee on Departmental Life (MIT)
Fall 2020 - Spring 2021	Organizer of MIT “Philosophy of Language, Logic, Metaphysics & Mind” Reading Group
Fall 2019 - Spring 2022	Organizer of the Harvard-MIT Philosophy Graduate Conference
Fall 2017 - Spring 2019	Organizer of MIT Colloquium Series

GRADUATE COURSEWORK

(* = audit)

Logic

- 24.244 Modal Logic (McGee, MIT), Fall 2017
- 24.891 Independent Study: Philosophy and Model Theory (McGee, MIT), Fall 2017
- *PHIL 243 Philosophy of Mathematics (Koellner, Harvard), Spring 2018
- 24.711 Deflationism About Truth and Reference (McGee, MIT), Fall 2018
- 24.891 Independent Study: Formal Theories of Truth (McGee, MIT) Fall 2018
- *24.711 Aboutness (Yablo and Khoo, MIT) Spring 2019
- *24.245 Theory of Models (McGee, MIT) Spring 2020
- *24.711 Vague Language (McGee, MIT) Spring 2021
- *24.711 Unrestricted Quantification (McGee, MIT), Spring 2022

Metaphysics and Language

- *24.501 Color and its Place in Nature (Byrne, Pautz and Spencer, MIT), Fall 2017
- 24.729 Conditionals (McGee and Khoo, MIT) Fall 2017
- *24.951 Introduction to Syntax (Pesetsky, MIT), Fall 2017
- 24.410 Humean Themes in Contemporary Metaphysics (Van Cleve, MIT), Fall 2018
- *24.501 Problems in Metaphysics (Spencer and Skow, MIT) Fall 2018
- *24.729 Indeterminacy (Spencer and Khoo, MIT) Spring, 2020

Other

- 24.601 The Ethics of Climate Change (Hare and Setiya, MIT), Spring 2018
- 24.805 Norms of Credence (White and Schoenfield, MIT), Spring 2018
- 24.410 British Moralists (Schapiro, MIT), Spring 2019
- 24.400 Proseminar-Philosophy I (White and Spencer, MIT), Fall 2017

24.401 Proseminar-Philosophy II (Yablo and Skow, MIT) Spring 2018

Graduate Coursework Taken as an Undergraduate

PHIL 83901 Intermediate Logic (Franks, Notre Dame) Fall 2014

PHIL 93903 Incompleteness (Bays, Notre Dame) Spring 2015

PHIL 93536 Possible and Impossible Worlds (Nolan, Notre Dame), Fall 2016

PHIL 93930 Foundations of Mathematics (Detlefsen, Notre Dame) Fall 2016

REFERENCES

Vann McGee

Professor of Philosophy

vmcgee@mit.edu

Agustín Rayo

Professor of Philosophy, Kenan Sahin Dean of MIT School of Humanities, Arts, and Social Sciences

arayo@mit.edu

Stephen Yablo

David W. Skinner Professor of Philosophy

yablo@mit.edu

Johannes Stern

Research Fellow (permanent position)

johannes.stern@bristol.ac.uk