

Collin F. Lucken

Hastings Postdoctoral Scholar in AI and Humanity
Hastings Initiative for AI and Humanity
Bowdoin College
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ACADEMIC EXPERTISE

Areas of Specialization: Philosophy of Science; Cognitive Science & Artificial Intelligence
Areas of Competence: Applied Ethics, History of Philosophy of Science (19th and early 20th Centuries)

EDUCATION

PhD. (2025). Philosophy, University of Cincinnati
Dissertation: *Engineering Progress in Science*
Advisor: Angela Potochnik
Committee Members: Anthony Chemero, Zvi Biener, Adrian Currie (external)
Qualifying Exam: Ethics

MEng. (2024). Robotics and Intelligent Autonomous Systems, University of Cincinnati
Capstone: Biomimetic Vibrissal Sensing for Smart Sewer Robots

MA. (2020). Philosophy, Eastern Michigan University
Capstone: From Ancient Shamans to Cybernetic Lungs: How Heuristic Theory Construction Pervades the Messy Sciences

BS. (2017). Chemical and Biomolecular Engineering, New York University

ACADEMIC APPOINTMENTS

Hastings Postdoctoral Scholar in AI and Humanity (2025 – present), Hastings Initiative for AI and Humanity, Bowdoin College

Doctoral Student (2020 – 2025), Department of Philosophy, University of Cincinnati

Research Assistant (2024), Robotics Research and Development, Procter & Gamble

Democratizing AI Educational Fellow (2023 - 2024), National Science Foundation, Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment

Graduate Assistant (2023), Cincinnati Ethics Center, University of Cincinnati

Graduate Affiliate (2020 – 2025), University of Cincinnati Center for Public Engagement with Science

PUBLICATION(S)

“Leveraging participatory sense-making and public engagement with science for AI democratization”, Collin Lucken, Tim Elmo Feiten, *Studies in History and Philosophy of Science*, Volume 110, 2025, Pages 55-64, ISSN 0039-3681, <https://doi.org/10.1016/j.shpsa.2025.02.003>.

PUBLICATIONS IN PROGRESS

A Guide for Academic Researchers Conducting Science Outreach. Melissa Jacquart, Amanda Corris, Andrew Evans, Tim Elmo Feiten, Collin Lucken, and Angela Potochnik. Elements in Public Engagement with Science, Cambridge University Press. (Under contract.)

“Maker’s Knowledge and Scientific Understanding.” With Angela Potochnik. (Draft Available.)

“The Erotetic Logic of William Whewell’s Fundamental Antithesis.” (Under Review. Draft available.)

“Mindshaping and Learner Centered Pedagogy: A Revealing Harmony” With W. John Koolage. (Under Review. Draft available)

“De-Intellectualizing Cognitive Change in Science” (Under Review. Draft Available)

“An Identity-Based Ethics for Engineering” (Under Review. Draft Available)

“Framework Conventionalism and the Defense of Conceptual Engineering” (Under Review. Draft Available)

“A Deflationary, Target-Relative Framework for Analyzing Scientific Progress” (Under Review. Draft Available)

“Modal Realism and the Simulation Argument” (Under Review. Draft Available)

FELLOWSHIPS, GRANTS, AND AWARDS

Research Assistant Stipend (2024), Proctor & Gamble Digital Accelerator at the University of Cincinnati

Charles Phelps Taft Dissertation Fellowship Award (2023 - 2024), University of Cincinnati
Educational Fellowship (2023), National Science Foundation, Institute for Intelligence
Cyberinfrastructure with Computational Learning in the Environment

Travel Awards: Taft Research Center (2022, 2023, 2024), Graduate Student Government
Association (2021, 2022, 2023, 2024), Department of Philosophy (2021, 2022, 2023), National
Science Foundation (2020)

Summer Research Awards: Department of Philosophy (2021, 2022, 2023), Center for Public
Engagement with Science (2021)

Tuition Award (2020 – 2025), University of Cincinnati

PEER-REVIEWED PRESENTATIONS

November 2024. “Maker’s Knowledge and Scientific Progress.” The 29th Biennial Meeting of the Philosophy of Science Association. New Orleans, Louisiana.

July 2024. “On Carnap’s Language Engineering.” The Fifteenth Biennial Congress of the International Society for the History of Philosophy of Science. Vienna, Austria.

January 2024. “Identity Ethics for Engineers.” 33rd Annual Association for Practical and Professional Ethics International Conference. Cincinnati, Ohio.

June 2023. “Revisiting Tredgold’s Definition of Engineering.” 23rd Biennial International Conference of the Society for Philosophy and Technology. Tokyo, Japan.

May 2023. “Putting Robotics Back on its Feet.” Institute for Research in Sensing. Ignite: An Annual Expo & Festival of Sensing. 2023. Cincinnati, Ohio.

March 2023. “Making as Method in HPS.” The Annual Conference of the History and Philosophy of Science (HPS) Program at the University of Notre Dame. Poster. South Bend, Indiana.

May 2022. “What Does It Mean to Think Like an Engineer? Reflections on Method in Research in Sensing.” IRiS Ignite: An Annual Expo & Festival of Sensing. Cincinnati, Ohio.

June 2022. “The Necessity of Explication in Whewell’s Inductive Philosophy of Science.” The International Society for the History and Philosophy of Science, Biennial Meeting. Irvine, California.

October 2021. “Roles for Philosophers of Science in Public Engagement with Science” - Philosophy of Science Association 27th Biennial Meeting, Poster. (co-presented with Tim Elmo Feiten). Baltimore, Maryland.

INVITED PRESENTATIONS

March 2024. Workshop: Public Engagement with Science. The Southern Society for Philosophy and Psychology - 115th Annual Meeting.

November 2023. “Leveraging Participatory Sense-Making and Public Engagement with Science for AI Democratization.” With Tim Elmo Feiten. Ohio State University. “ICICLE: Intelligent CI with Computational Learning in the Environment”. <https://icicle.osu.edu/>.

March 2020. “From Ancient Shamans to Cybernetic Lungs: How Heuristic Theory Construction Pervades the Messy Sciences” – Eastern Michigan University Philosophy Speaker Series.

PUBLIC OUTREACH & COMMUNITY ENGAGEMENT

Ethics Bowl Coach (2023), Youth Cadet Program, Cincinnati Police Department, Cincinnati Ethics Center

Ethics Instructor (2023), Breakthrough Cincinnati, Summer School in Ethics, Cincinnati Ethics Center

Organizer Assistant (2021), virtual workshop, “Public Engagement with Science and Philosophy of Science,” with over 300 registrants, (postponed from 2020 and moved online due to Covid-19)

PROFESSIONAL DEVELOPMENT

Social Media Training Workshop (2021), Philosophy of Science Communication Group

American Association of Philosophy Teachers’ Seminar on Teaching and Learning in Philosophy (2021).

SERVICE

Eastern Division of the American Philosophical Association (2023 – 2024), Assistant to the Secretary Treasurer

Editor, Robotics, philpapers.com (<https://philpapers.org/browse/robotics>)

Article Reviewer: Erkenntnis (2024), Philosophy of Science (2024), Synthese (2022, 2024), Computational Brain and Behavior (2023), European Journal for Philosophy of Science (2023)

TEACHING EXPERIENCE

As instructor of record:

Phil 100, Introduction to Philosophy, Spring 2020, Eastern Michigan University

Phil 1000, Introduction to Philosophy (online), Spring 2021, University of Cincinnati

Phil 1000, Introduction to Philosophy (online), Summer 2021, University of Cincinnati

Phil 1000, Introduction to Philosophy (online), Fall 2021, University of Cincinnati

Phil 1003, Introduction to Ethics (online), Summer 2022, University of Cincinnati

Phil 2029, Medical Ethics (online), Spring 2023, University of Cincinnati

Phil 1025, Contemporary Moral Issues (online), Summer 2023, University of Cincinnati

Phil 1007, Philosophy Through Movies, Summer 2024, University of Cincinnati

Phil 1007, Philosophy Through Movies, Fall 2024, University of Cincinnati

Phil 1060, Philosophy of Video Games, Spring 2025, University of Cincinnati

Phil 1007, Philosophy Through Movies, Summer 2025, University of Cincinnati

Phil 2400, Minds and Machines, Fall 2026, Bowdoin College

As Teaching Assistant:

Phil 1089, Sex and Death (online), Fall 2022, University of Cincinnati

Phil 1032, How Science Works (Online), Spring 2022, University of Cincinnati

Phil 1000, Introduction to Philosophy (Online), Fall 2020, University of Cincinnati

Phil 3048, Philosophy of Food (Online), Fall 2020, University of Cincinnati

REFERENCES

Angela Potochnik
Professor of Philosophy University
of Cincinnati
potochaa@ucmail.uc.edu

Anthony Chemero
Distinguished Research Professor of Philosophy and Psychology University
of Cincinnati
chemeray@ucmail.uc.edu

Zvi Biener
Professor of Philosophy University
of Cincinnati
bienerzi@ucmail.uc.edu

Melissa Jacquart (Teaching Reference)
Assistant Professor of Philosophy University
of Cincinnati jacquama@ucmail.uc.edu