

# AYDIN MOHSENI

## *curriculum vitae*

### CONTACT INFORMATION

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*last updated* September 21, 2024

### RESEARCH AREAS

*Areas of Specialization* Philosophy of Science, Game & Decision Theory, Formal Social Epistemology, X-Risk & AI Safety

*Areas of Competence* Philosophy of Statistics, Logic, Philosophy of Evolutionary Biology, Middle Eastern Philosophy

### ACADEMIC APPOINTMENTS

#### CARNEGIE MELLON UNIVERSITY

Assistant Professor, **Department of Philosophy** (2024–present)

Core Member, **Institute for Complex Social Dynamics** (2024–present)

#### UNIVERSITY OF PENNSYLVANIA

Senior Research Fellow, **Department of Philosophy** (2022–24)

#### UNIVERSITY OF PITTSBURGH

Postdoctoral Research Fellow, **The Center for Philosophy of Science** (2021–2022)

### EDUCATION

PhD, **Logic and Philosophy of Science** UNIVERSITY OF CALIFORNIA, IRVINE (2021)

*Dissertation:* Essays on the Social Epistemology of Science

*Committee:* Cailin O'Connor & Simon Huttegger (co-chairs), Brian Skyrms, Kyle Stanford

MA, **Mathematical Behavioral Sciences** UNIVERSITY OF CALIFORNIA, IRVINE (2020)

MS, **Logic, Computation, and Methodology** CARNEGIE MELLON UNIVERSITY (2015)

*Thesis:* The Limitations of Equilibrium Concepts in Evolutionary Game Theory

*Committee:* Kevin Zollman (chair) & Teddy Seidenfeld

BFA, **Interactive Media** MINNEAPOLIS COLLEGE OF ART AND DESIGN (2007)

PEER-REVIEWED CONTRIBUTIONS (‡ ≡ commissioned article.)

- A8 **Mohseni, A.** (*forthcoming*) “The Role of Modeling in Improving Science.” *Philosophy Compass*.‡
- A7 **Mohseni, A.** (*forthcoming*) “Methods for Modeling Science.” in *Philosophy of Science: A User’s Guide*. Adrian Curiey & Sophie Juliane Veigl eds. Oxford University Press.
- A6 **Mohseni, A.**, O’Connor, C., & J. Weatherall (2023) “The Best Paper You’ll Read Today: Media Biases and the Public Understanding of Science.” *Philosophical Topics*.
- A5 LaCroix, T. & **A. Mohseni** (2022) “The Tragedy of the AI Commons.” *Synthese*, 200(4), 289.
- A4 **Mohseni, A.**, & C. Williams (2020) “Truth and Conformity on Networks.” *Erkenntnis* 86(6), 1509-1530.
- A3 **Mohseni, A.**, O’Connor, C., & H. Rubin (2019) “On the Emergence of Minority Disadvantage: Testing the Red King Hypothesis.” *Synthese*, 198(2), 5599–5621.
- A2 Barrett, J., Skyrms, B., & **A. Mohseni** (2019). “Self-Assembling Networks.” *British Journal of Philosophy of Science*, 70(2), 301–325.
- A1 **Mohseni, A.** (2019). “Stochastic Stability and Disagreements Between Dynamics.” *Philosophy of Science*, 86(3), 497-521.

UNDER REVIEW (‡ ≡ revise & resubmit.)

- R4 **Mohseni, A.**, D. Herrmann, & G. A. Orona. “Why are the Human Sciences Hard? Two New Hypotheses.”
- R3 **Mohseni, A.** “HARKing: from Misunderstanding to Misprescription” ‡
- R2 **Mohseni, A.** “Intervention and Backfire in the Replication Crisis”
- R1 **Mohseni, A.** “Limitations of Equilibrium Concepts in Evolutionary Games”

WORKS IN PROGRESS

- W6 **Mohseni, A.**, & L. G. Demo. “AI Alignment as a Principal-Agent Problem.”
- W5 **Mohseni, A.** “Goodman’s Riddle & the Replicability of Interaction Effects”
- W4 **Mohseni, A.** “Changing Scientific Norms: Epistemic Trade-Offs from Classical and Bayesian Perspectives”
- W3 Stanford, K. & **A. Mohseni** “Cooperation and Folk Moral Relativism”
- W2 **Mohseni, A.** & S. Huttegger “The Rationality of Nash Equilibria”
- W1 **Mohseni, A.** “Stochasticity and Intermediate Regimes”

RESEARCH PRESENTATIONS († ≡ invited; ‡ ≡ commenter.)

- P10 “AI Alignment as a Principal-Agent Problem”  
*Foundations of Cooperative AI Lab Seminar* · Pittsburgh 2024  
*Philosophy, Politics, and Economics Society Conference* · New Orleans 2024  
*Philosophy of Science Meets Machine Learning Conference* · Tübingen 2024  
 † *ILIAD Conference* · Berkeley 2024
- P9 “Bayesian Epistemology: Foundations, Limits, and Open Questions”  
 † *ILIAD Conference* · Berkeley 2024
- P8 “Why are the Social Sciences Hard? Two New Hypotheses”  
*Ninth Quadrennial Fellows Conference* · Miami 2024  
*Formal and Experimental Philosophy Workshop* · Pittsburgh 2023  
*CLMPST: Science and Values in an Uncertain World* · Buenos Aires 2023
- P7 “HARKing: from Misunderstanding to Misprescription”  
 † *Scientific Progress: Individual and Collective* · Amsterdam 2022  
*Society for Philosophy and Psychology Annual Meeting* · Virtual 2021  
 † *Center for Philosophy of Science, Lunch Time Talk* · Pittsburgh 2021  
*ANPOSS/ENPOSS/POSS-RT Joint Conference* · Tokyo 2021
- P6 “Intervention and Backfire in the Replication Crisis”  
*Philosophy of Science Association Biennial* · Baltimore 2021  
*Society for Philosophy of Science in Practice Biennial* · Lansing 2020  
 † *Public Choice Society Annual Meeting* · Newport Beach 2020  
*Philosophy of Social Science Round Table* · Atlanta 2020  
*12th Munich-Sydney-Tilburg/Turin (MuST) Conference in Philosophy of Science* · Munich 2019
- P5 “On the Emergence of Minority Disadvantage”  
 † *APA: Central Division Meeting* · Denver 2019  
*APA: Pacific Division Meeting* · Vancouver 2019  
*Agent-Based Models in Philosophy Conference* · Bochum 2019  
 † *Philosophy, Politics & Economics Society Meeting* · New Orleans 2019  
 † *Philosophy and Complex Systems Seminar* · Moscow 2018
- P4 “Truth and Conformity on Networks”  
*Philosophy of Science Association Biennial* · Seattle 2018  
*Computational Modeling in Philosophy Conference* · Munich 2018  
 † *Formal Social Epistemology Workshop* · Irvine 2018  
*IMBS R. D. Luce Conference* · Irvine 2017
- P3 “Stochastic Stability and Disagreements Between Dynamics”  
*Generalized Theory of Evolution Conference* · Dusseldorf 2018  
*Infinite Idealizations in Science Conference* · Munich 2017
- P2 “Self-Assembling Networks”  
*IMBS R. D. Luce Conference* · Irvine 2015

- P1 “Limitations of Equilibrium Concepts in Evolutionary Games”  
*International Society for History, Philosophy & Social Studies of  
Biology Biennial Meeting* · Montreal 2015  
*Decisions, Games and Logic Conference* · London 2015

AWARDS & FELLOWSHIPS

- UCI School of Social Sciences Outstanding Scholar Award · 2020  
Christian Werner Research Fellowship · 2020  
NSF Graduate Research Assistantship (Grant 1922424 for “Consensus, Democracy, and  
the Public Understanding of Science”; PIs Cailin O’Connor & James Weatherall) · 2019  
NSF Graduate Research Assistantship (Grant 1535139 for “Social Dynamics and Epistemic  
Communities”; PI Cailin O’Connor) · 2016-2019  
UCI DTEI Pedagogical Fellowship · 2019  
IMBS Research Fellowship · 2018  
UCI Associate Dean Fellowship · 2018  
UCI School of Social Science Merit Scholarships · 2015-2020

TEACHING EXPERIENCE

Introduction to Philosophy	CMU	Fall 2024
Game Theory, AI & X-Risk	UPenn	Spring 2024
Introduction to Logic	UPenn	Spring 2024
Introduction to Philosophy	UPenn	Spring 2023
Metaphysics & Epistemology	UPenn	Spring 2023
Topics in Philosophy of Science	UPenn	Fall 2022, Fall 2023
Introduction to Philosophy of Science	UPenn	Fall 2022, Fall 2023
Making Modern Science	UCI	Fall 2020
Introduction to Inductive Logic	UCI	Summer 2020

TEACHING TRAINING

- UCI DTEI Mentoring Excellence Program workshops · 2020  
Mentoring Across Differences · Spring 2020  
Balancing Academics and Wellness · Winter 2020  
UCI DTEI Certificate of Teaching Excellence · 2019  
UCI DTEI Certificate of Course Design · 2018  
UCI course in advanced course design: Uni Stu 390Z · 2020  
UCI courses in pedagogy: Uni Stu 390X, S90A, 390B, and 390C · 2018-19  
UCI Diversity and Inclusion in the Classroom workshops · 2019-20  
Inclusive Course Design Workshop · Winter 2020  
Inclusive Classroom Practices and Pedagogies Workshop · Spring 2019  
Enhancing Diversity and Equitable Inclusion Workshop · Fall 2019

COMMITTEE MEMBERSHIPS

*PhD Dissertation* · Zhongxia Zhao

*Master's Thesis* · Franco Bastián Menares Paredes

PROFESSIONAL SERVICE

*Referee (Journals)* · Philosophy of Science, The British Journal for the Philosophy of Science, The European Journal for the Philosophy of Science, Studies in History and Philosophy of Science C: Studies in History and Philosophy of Biological and Biomedical Sciences, Synthese, Theoria, American Philosophical Quarterly

*Referee (Books)* · Pittsburgh University Press

*Referee (Conferences)* · Formal Epistemology Workshop (2020), Agent Based Models in Philosophy (Summer 2023, Spring 2019), PSA Poster Committee (2022)

*Workshop Designer and Presenter* · Twelve-hour TA Professional Development Program workshop for philosophy grad students (Fall 2019), two-hour workshops on diversity & inclusion for graduate students in the school of social sciences (Winter 2020, Spring 2020)

*Organizer* · Philosophy of Science Association Symposium Panel on “Modeling the Social Structure of Science” (Fall 2021)

*Program Facilitator* · LPS Summer Diversity Workshop (Summer 2020), 17th Annual Formal Epistemology Workshop (Spring 2020), Formal Social Epistemology Workshop (Spring 2018), Philosophy of Machine Learning Conference (Spring 2018), Medical Knowledge in a Social World Conference (Spring 2016)

*Public Outreach Volunteer* · Public Philosophy Booth, Long Beach Farmer's Market (2020), Center for Open Science Ambassador

PROFESSIONAL SOCIETIES

Center for Open Science (Ambassador)

Philosophy of Science Association

American Philosophical Association