

AYDIN MOHSENI

curriculum vitae

CONTACT INFORMATION

address Department of Logic and Philosophy of Science
University of California, Irvine
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Irvine, CA 92697-5100

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citizenship United States, Iran (dual citizen)

last updated November 7, 2021

RESEARCH INTERESTS

AOS Philosophy of Science, (Formal, Social) Epistemology

AOC Philosophy of Statistics, Philosophy of Biology, Middle Eastern Philosophy

ACADEMIC APPOINTMENTS

2021 UNIVERSITY OF PITTSBURGH
The Center for Philosophy of Science
Postdoctoral Research Fellow

EDUCATION

PhD *2021* UNIVERSITY OF CALIFORNIA, IRVINE
Logic and Philosophy of Science
Dissertation: *Essays on the Social Epistemology of Science*
Committee: Simon Huttegger and Cailin O'Connor (co-chairs),
Brian Skyrms, and Kyle Stanford

MA *2020* **Mathematical Behavioral Science**

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

BFA *2007* MINNEAPOLIS COLLEGE OF ART AND DESIGN
Interactive Media

PEER-REVIEW JOURNAL ARTICLES

- 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*.
- 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.

ARTICLES UNDER REVIEW († ≡ revise & resubmit.)

- R4 **Mohseni, A.** “HARKing: From Misdiagnosis to Misprescription”†
- R3 **Mohseni, A.** “Limitations of Equilibrium Concepts in Evolutionary Games”†
- R2 **Mohseni, A.** “Intervention and Backfire in the Replication Crisis”
- R1 LaCroix, T. & **A. Mohseni** “The Tragedy of the AI Commons”

WORKS IN PROGRESS (‡ ≡ commissioned articles.)

- W7 **Mohseni, A.**, O’Connor, C., & J. Weatherall “Journalistic Practice and the Public Perception of Science”
- W6 **Mohseni, A.** “Changing Scientific Norms: Epistemic Trade-Offs from Classical and Bayesian Perspectives”
- W5 Stanford, K. & **A. Mohseni** “Cooperation and Folk Moral Relativism”
- W4 **Mohseni, A.** & S. Huttegger “Are Nash Equilibria Rational?”
- W3 **Mohseni, A.** “Stochasticity and Intermediate Regimes”
- W2 **Mohseni, A.** “What is the Scientific Method?” appearing in *Science and Ethics*. (Ed.) Monroe, K. University of California Press.‡
- W1 **Mohseni, A.** “Recent Computational Work in Social Epistemology of Science.” *American Philosophical Quarterly*.‡

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

- P8 “HARKing: from Misunderstanding to Misprescription”
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

- P7 “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
- P6 “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
- P5 ‡ “Ungrounded Payoffs”
†**Formal Epistemology Workshop** · Toronto 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 Luce Graduate Student Conference · Irvine 2017
- P3 “Stochastic Stability and Disagreements Between Dynamics”
Generalized Theory of Evolution Conference · Dusseldorf 2018
Infinite Idealizations in Science Conference · Munich 2017
***Philosophy of Science Association Biennial** · Atlanta 2016
***PNAS: The Extension of Biology Through Culture** · Irvine 2016
IMBS Luce Graduate Student Conference · Irvine 2016
- P2 “Self-Assembling Networks”
IMBS Luce Graduate Student 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 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 Summer Research Fellowship · 2018
UCI Associate Dean Fellowship · 2018
UCI Summer Research Fellowships · 2015-2020
UCI School of Social Science Merit Scholarships · 2015-2020
CMU Merit Scholarships · 2013-2015
MCAD Merit Scholarships · 2003-2007

TEACHING EXPERIENCE

| | | | |
|--------------------------|--------------------|------|-------------|
| Making Modern Science | Instructor | UCI | Fall 2020 |
| Intro to Inductive Logic | Instructor | UCI | Summer 2020 |
| Interm Statistics | Teaching Assistant | UCI | Winter 2020 |
| Game Theory & Politics | Teaching Assistant | UCI | Spring 2019 |
| Voting Theory | Guest Lecturer | UCI | Winter 2019 |
| Interm Macro Economics | Teaching Assistant | UCI | Spring 2018 |
| Bayesian Epistemology | Guest Lecturer | UCI | Winter 2018 |
| Interm Statistics | Teaching Assistant | UCI | Fall 2017 |
| Intro to Game Theory | Teaching Assistant | UCI | Winter 2017 |
| Intro to Inductive Logic | Teaching Assistant | UCI | Spring 2016 |
| Philosophy of Biology | Teaching Assistant | UCI | Winter 2016 |
| Intro to Logic | Grader | CMU | Summer 2015 |
| Web Design | Instructor | MCAD | Spring 2013 |
| Web Development | Instructor | MCAD | Fall 2012 |

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
UCI Teaching Assistant Professional Development Program · 2015

PROFESSIONAL SERVICE

Referee (Journals) · Philosophy of Science, The British 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 (Spring 2019)

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

LANGUAGES

English (fluent) primary language of education

Persian (native) fluent oral skills, 4 years writing instruction

Moroccan Arabic (advanced) certified proficiency, 2 years living in Morocco

AFFILIATIONS

Philosophy of Science Association

International Society for History, Philosophy, and Social Studies of Biology

Philosophy, Politics, and Economics Society

American Philosophical Association

Center for Open Science (Ambassador)

COMMITTEE REFERENCES

Dr. Simon Huttegger

Professor of Logic and Philosophy of Science
University of California, Irvine
shuttegg@uci.edu

Dr. Cailin O'Connor

Associate Professor of Logic and Philosophy of Science
University of California, Irvine
cailino@uci.edu

Dr. Brian Skyrms

Distinguished Professor of Logic and Philosophy of Science
University of California, Irvine
bskyrms@uci.edu

Dr. Kyle Stanford

Professor of Logic and Philosophy of Science
University of California, Irvine
stanford@uci.edu

EXTERNAL REFERENCES

Dr. Bert Baumgaertner

Associate Professor of Philosophy, Acting Chair of Politics and Philosophy
University of Idaho
bbaum@uidaho.edu

Dr. Daniel Mann (teaching reference)

Director of Grad Student & Postdoc Scholar Instructional Development
University of California, Irvine
dmann@uci.edu

Dr. Kevin Zollman

Professor of Philosophy and Social and Decision Sciences
Carnegie Mellon University
kzollman@andrew.cmu.edu

SELECTED GRADUATE COURSEWORK († ≡ directed study; * ≡ audited.)

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|--|---|--------------------------------|----------------------------|------|
| <i>Philosophy of Science and Epistemology</i> | Philosophy of Science | J. Norton | PITT | 2014 |
| | Scientific Representation & Explanation | K. Waters | UMN | 2013 |
| | Scientific Realism & Antirealism | K. Stanford | UCI | 2017 |
| | Kant's Philosophy of Science | J. Heis | UCI | 2018 |
| | Social Epistemology of Science | C. O'Connor | UCI | 2016 |
| | Network Epistemology | C. O'Connor | UCI | 2020 |
| | Philosophy of Modeling | C. O'Connor | UCI | 2018 |
| | Conscious Systems | K. Saberi | UCI | 2018 |
| | Information Theory | C. O'Connor | UCI | 2017 |
| | Probability & Determinism | J. Manchak | UCI | 2018 |
| | Foundations of Quantum Mechanics | J. Barrett | UCI | 2018 |
| <i>Game & Decision Theory and Rational Choice</i> | Game Theory | T. Seidenfeld | CMU | 2014 |
| | Foundations of Game Theory [†] | T. Seidenfeld | UCI | 2014 |
| | Evolutionary Game Theory [†] | K. Zollman | UCI | 2014 |
| | Advanced Game Theory | J. Carvallo | UCI | 2017 |
| | Rationality and Nash Equilibria [†] | S. Huttegger | UCI | 2016 |
| | Evolution of Signals | B. Skyrms | UCI | 2019 |
| | Self-Assembling Games [†] | J. Barrett | UCI | 2015 |
| | Algorithms, Games & Networks* | A. Procaccia | CMU | 2015 |
| | Experimental Applications of Games [†] | C. O'Connor | UCI | 2015 |
| | Utilitarianism & Measurement Theory | B. Skyrms & L. Narens | UCI | 2019 |
| <i>Philosophy of Statistics and Statistics</i> | Philosophy of Statistics | S. Huttegger | UCI | 2018 |
| | Bayesian Data Analysis* | M. Guindani | UCI | 2019 |
| | Bayesian Epistemology | S. Huttegger | UCI | 2018 |
| | Bayesian Statistics | B. Shahbaba | UCI | 2019 |
| | Chance | B. Skyrms | UCI | 2017 |
| | Measure Theory* | K. Krupchyk | UCI | 2017 |
| | Foundations of Analysis | J. Rogness | UMN | 2013 |
| | Intermediate Probability & Statistics | Y. Yu | UCI | 2016 |
| | Probabilistic Machine Learning | P. Smyth | UCI | 2017 |
| | Stochastic Processes | J. Jin | CMU | 2016 |
| <i>Philosophy of Biology and Philosophy of Economics</i> | Evolution of Morality | K. Stanford | UCI | 2016 |
| | Evolution of Cognition* | K. Stanford | UCI | 2018 |
| | Cultural Evolution | W. Wimsatt | UMN | 2013 |
| | Ecology and Evolutionary Biology* | S. Frank | UCI | 2015 |
| | Mathematical Computational Biology | F. Wan | UCI | 2015 |
| | Philosophy of Genetics | K. Schaffner | PITT | 2015 |
| | Experimental Economics | J. Duffy | UCI | 2016 |
| | Economics of Identity and Culture* | J. Carvallo | UCI | 2018 |
| | The Social Contract | B. Skyrms | UCI | 2020 |
| | Social Dynamics | B. Skyrms | UCI | 2015 |
| <i>Philosophy of Logic and Logic</i> | Philosophy of Logic | R. Cook | UMN | 2012 |
| | Wittgenstein's Philosophy of Logic I | P. Maddy | UCI | 2018 |
| | Wittgenstein's Philosophy of Logic II | P. Maddy | UCI | 2019 |
| | Undecideability and Incompleteness | C. Roux | CMU | 2014 |
| | Advanced Symbolic Logic | R. Cook | UMN | 2012 |
| | Formal Logic | J. Avigad | CMU | 2013 |
| | Set Theory | S. Walsh | UCI | 2016 |
| | Formal Methods | K. Kelly & K. Zollman | CMU | 2014 |
| | | Introduction to Formal Methods | T. Seidenfeld & P. Spirtes | CMU |