

KEVIN J.S. ZOLLMAN

Department of Philosophy
Baker Hall 161
Carnegie Mellon University
Pittsburgh, PA 15213-3890

Phone: (412) 268-8493
Email: gzollman@andrew.cmu.edu
Website: <http://www.kevinzollman.com>

EDUCATION

Ph.D., Philosophy, University of California, Irvine 2007
Dissertation: “Network Epistemology”
Committee: Brian Skyrms (chair), P. Kyle Stanford, and Jeffrey Barrett
M.A., Philosophy, University of California, Irvine, 2005
B.S., Philosophy, Kansas State University, Manhattan, 2002

PRIMARY ACADEMIC POSITIONS

Herbert A. Simon Professor of Philosophy (primary) and Social and Decision Sciences (courtesy),
Carnegie Mellon University (2023–)
Director, Institute for Complex Social Dynamics, Carnegie Mellon University (2023–)
Professor, Philosophy (primary) and Social and Decision Sciences (courtesy), Carnegie Mellon
University (2020–2023)
Associate Professor, Philosophy, Carnegie Mellon University (2013–2020)
Assistant Professor, Philosophy, Carnegie Mellon University (2009–2013)
H. Simon Postdoctoral Fellow in Scientific Philosophy, Carnegie Mellon University (2008–2009)

COURTESY AND VISITING POSITIONS

Adjunct Member (2019–), Department of History and Philosophy of Science and Associate Fellow
(2009–), Center for Philosophy of Science, University of Pittsburgh
Visiting Professor (2014–), Munich Center for Mathematical Philosophy and Visiting Fellow
(Spring 2014), Center for Advanced Study, Ludwig-Maximilians Universität

RESEARCH AREAS

Areas of Specialization: Decision and Game Theory, Philosophy of Science, Philosophy of
Biology, Philosophy of Economics
Areas of Competence: Epistemology, Ethics, Social and Political Philosophy

BOOKS

Zollman, Kevin J.S. (under contract) *Network Epistemology: How our social connections
shape knowledge*. New York: Oxford University Press.
Raeburn, Paul and Kevin Zollman (2016) *The Game Theorist’s Guide to Parenting: How the
Science of Strategic Thinking Can Help You Deal With the Toughest Negotiators You
Know – Your Kids*. New York: Scientific American/Farrar, Straus, and Giroux.

ACADEMIC PAPERS

* Indicates that these authors contributed equally to the final paper

- Zollman, Kevin J.S., Julian García, and Toby Handfield (forthcoming) Academic journals, incentives, and the quality of peer review: a model *Philosophy of Science*
- Bruse, Carl, Toby Hanfield, and Kevin J.S. Zollman (2022) Explaining Costly Religious Practices: Credibility Enhancing Displays and Signaling theories. *Synthese* 200: 249
- Mayo-Wilson, Conor* and Kevin J.S. Zollman* (2021) The Computational Philosophy: Simulation as a Core Philosophical Method. *Synthese* 199: 3647–3673
- Zollman, Kevin J.S. (2021) The Theory of Games as a Tool for the Social Epistemologist *Philosophical Studies* 178: 1381–1401.
- Tiokhin, Leonid, Karthik Panchanathan, Daniel Lakens, Simine Vazire, Thomas Morgan, and Kevin Zollman (2021) Honest Signaling in Academic Publishing. *PLOS: ONE*. doi: 10.1371/journal.pone.0246675
- Huttegger, Simon, Hannah Rubin, and Kevin J.S. Zollman (2021) Invariance and Symmetry in Evolutionary Dynamics *American Philosophical Quarterly* 58(1): 63-78.
- Bergstrom, Carl, Simon Huttegger, and Kevin J.S. Zollman (2020) Signals without teleology. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 84: 101310.
- Simons, Mandy and Kevin J.S. Zollman (2019) Natural Conventions and Indirect Speech Acts. *Philosopher's Imprint* 19(9): 1-26.
- Zollman, Kevin J.S. (2018) The Credit Economy and the Economic Rationality of Science. *Journal of Philosophy* 115(1): 5-33.
- Zollman, Kevin J.S. (2017) Learning to collaborate. In Boyer-Kassem, Mayo-Wilson, and Weisberg (eds.), *Scientific Collaboration and Collective Knowledge* Oxford: Oxford University Press.
- Bjorndahl, Adam*, Alex John London*, and Kevin J.S. Zollman* (2017) Kantian Decision Making Under Uncertainty: Dignity, Price, and Consistency *Philosopher's Imprint* 17(7): 1-22.
- Kummerfeld, Erich* and Kevin J.S. Zollman* (2016) Conservatism and the Scientific State of Nature. *British Journal for Philosophy of Science* 67(4): 1057-1076.
- Huttegger, Simon and Kevin J.S. Zollman (2016) The robustness of hybrid equilibria in costly signaling games. *Dynamic Games and Applications* 6: 347.
- Rich, Patricia and Kevin J.S. Zollman (2016) Honesty through repeated interactions. *Journal of Theoretical Biology* 395: 238-244.
- Huttegger, Simon*, Justin Bruner, and Kevin J.S. Zollman* (2015) The Handicap Principle is an Artifact. *Philosophy of Science* 82(5): 997-1009. doi: 10.1086/683435
- Kane, Patrick* and Kevin J.S. Zollman* (2015) An Evolutionary Comparison of the Handicap Principle and Hybrid Equilibrium Theories of Signaling. *PLoS ONE* 10(9): e0137271. doi: 10.1371/journal.pone.0137271
- Zollman, Kevin J.S. (2015) Modeling the Social Consequence of Testimonial Norms *Philosophical Studies* 172(9): 2371-2383.

- Athanasiou, Efthymios*, Alex John London*, and Kevin J.S. Zollman* (2015) Dignity and the Value in Rejecting Profitable but Insulting Offers. *Mind* 124(494): 409-448.
- Huttegger, Simon, Brian Skyrms, and Kevin J.S. Zollman (2014) Probe and Adjust in Information Transfer Games. *Erkenntnis* 79: 835-853.
- Huttegger, Simon* and Kevin J.S. Zollman* (2013) Methodology in biological game theory. *British Journal for Philosophy of Science* 64: 637-658.
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2013) Wisdom of the Crowds vs. Groupthink: Learning in Groups and in Isolation. *International Journal of Game Theory* 42: 695-723.
- Zollman, Kevin J.S. (2013) Finding Alternatives to Handicap Theory. *Biological Theory* 8: 127-132.
- Zollman, Kevin J.S. (2013) Network Epistemology: Communication in Epistemic Communities. *Philosophy Compass* 8: 15-27.
- Zollman, Kevin J.S., Carl T. Bergstrom, and Simon M. Huttegger (2013) Between cheap and costly signals: The evolution of partially honest communication. *Proceedings of the Royal Society of London B* 208: 20121878.
- Huttegger, Simon* and Kevin J.S. Zollman* (2012) The limits of ESS methodology. In Ken Binmore and Samir Okasha (eds.), *Evolution and Rationality: Decisions, Cooperation, and Strategic Behavior*. Cambridge: Cambridge University Press.
- Zollman, Kevin J.S. (2012) Social network structure and the achievement of consensus. *Politics, Philosophy, and Economics* 11: 26-44.
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2011) The inconsistency thesis: When individual and social epistemology diverge. *Philosophy of Science* 78(4): 653-677.
- Zollman, Kevin J.S. (2011) Computer simulation and emergent reliability in science. *Journal of Artificial Societies and Social Simulation* 14(4): 15
- Zollman, Kevin J.S. (2011) Separating directives and assertions using simple signaling games *Journal of Philosophy* 63(3): 158-169.
- Huttegger, Simon* and Kevin J.S. Zollman* (2011) Signaling games: The dynamics of evolution and learning. In Benz, Ebert, Jäger, and van Rooij (ed.), *Language, Games, and Evolution*. Berlin: Springer.
- Skyrms, Brian* and Kevin Zollman* (2010) Evolutionary considerations in the framing of social norms. *Politics, Philosophy, and Economics* 9(3): 265-273. [Reprinted in Brian Skyrms (2014) *Social Dynamics*. Oxford: Oxford University Press.]
- London, Alex John and Kevin J.S. Zollman (2010) Research subjects at the auction block: Problems for a procedural approach to justice in international research *Hastings Center Report* 40(4): 34-45.
- Huttegger, Simon* and Kevin J.S. Zollman* (2010) Dynamic stability and basins of attraction in the Sir Philip Sidney game *Proceedings of the Royal Society of London B: Biological Sciences* 277: 1915-1922.
- Zollman, Kevin J.S. (2010) Social structure and the effects of conformity. *Synthese* 172(3):317-340.
- Zollman, Kevin J.S.* and Rory Smead* (2010) Plasticity and language: An example of the Baldwin effect? *Philosophical Studies* 147(1): 7-21.

- Huttegger, Simon, Brian Skyrms, Rory Smead, and Kevin Zollman (2010) Evolutionary dynamics of Lewis signaling games: Signaling systems vs. partial pooling. *Synthese* 172(1): 177-191
- Zollman, Kevin J.S. (2010) The epistemic benefit of transient diversity. *Erkenntnis* 72(1): 17-35.
- Barrett, Jeffrey* and Kevin J.S. Zollman* (2009) The role of forgetting in the evolution and learning of language. *Journal of Experimental and Theoretical Artificial Intelligence* 21(4): 293-309.
- Zollman, Kevin J.S. (2009) Optimal publishing strategies. *Episteme: The Journal of Social Epistemology* 6(2): 185-199.
- Zollman, Kevin J.S. (2008) Explaining fairness in complex environments. *Politics, Philosophy, and Economics* 7(1): 81-97.
- Zollman, Kevin J.S. (2007) The communication structure of epistemic communities. *Philosophy of Science* 74(5): 574-587 [Reprinted in Goldman and Whitcomb (2011), *Social Epistemology: An Anthology*. Oxford: Oxford University Press.]
- Zollman, Kevin J.S. (2005) Talking to neighbors: The evolution of regional meaning. *Philosophy of Science* 72:69-85.
- Zollman, Kevin and Dean Zollman (1997). Creating sample searchable databases on the web. *Computers in Physics* 11: 225-228.
- Zollman, Kevin and Dean Zollman (1997). Posting physics documents on the web. *Computers in Physics*, 11, pp. 133-137.
- Zollman, Kevin and Dean Zollman (1997). Web activities in an introductory class. *International Journal of Modern Physics C*8: 97-105.
- Zollman, Kevin and Dean Zollman (1997). Interactive forms on the web. *Computers in Physics* 11: 17-20.

POLICY BRIEFS

- Weisberg, Michael, Olivia Fielding, Michael Franczak, Kevin Zollman, & Zinta Zommers. "Defining and Measuring the Global Goal on Adaptation," submission to the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement
- Weisberg, Michael, Olivia Fielding, Michael Franczak, Kevin Zollman, & Zinta Zommers. "Performance and Effectiveness of the Nairobi Work Programme" submission to the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement

BOOK REVIEWS

- Zollman, Kevin J.S. (2009) Review of Eckhart Arnold's *Explaining Altruism*. *Notre Dame Philosophical Reviews*

NON-ACADEMIC PUBLICATIONS

- Zollman, Kevin (2018) What It Means When Scientists Disagree. *Scientific American*
- Wenner, Danielle and Kevin Zollman (2017) How to End International Tax Competition. *New York Times*
- Zollman, Kevin (2017) Don't return to the democratic dark ages, keep ranked voting. *Pioneer Press*.
- Raeburn, Paul and Kevin Zollman (2016) No more drama: The game theory guide to a happy family holiday. *New Scientist*
- Zollman, Kevin (2016) Game Theory: The Secret to Teaching Your Kids to Play Fair. *Motherly*
- Zollman, Kevin (2016) Why both Trump and Cruz can claim to represent the majority of Republicans. *Los Angeles Times*
- Raeburn, Paul and Kevin Zollman (2016) Game Theory for Parents: Mathematically tested measures to make your kids cooperate—all on their own. *Scientific American MIND* 27(2), March/April. [Modified excerpt from *The Game Theorist's Guide to Parenting*]
- Raeburn, Paul and Kevin Zollman (2016) How to Parent Like a Master Strategist [Q&A]. *Scientific American MIND* online.
- Raeburn, Paul and Kevin Zollman (2016) Let These Game Theorists Show You A Better Way To Resolve Conflicts. *Fast Company* [Modified excerpt from *The Game Theorist's Guide to Parenting*]
- Raeburn, Paul and Kevin Zollman (2016) 'The Game Theorist's Guide to Parenting' (US 2016): Book Excerpt. *LiveScience* [Edited excerpt from *The Game Theorist's Guide to Parenting*]
- Zollman, Kevin (2015) Welders vs. Philosophers: We need them both but philosophers take more grief. *Pittsburgh Post-Gazette*, November 16.
- Zollman, Kevin (2014) Letter to the Editor: Regents Encouraged to Rethink Social Media Policy. *Manhattan Mercury*, January 12.
- Zollman, Kevin (2013) Applying Game Theory to Syria: International Norms Tend to Dissolve If They Are Not Enforced. *Pittsburgh Post-Gazette*, September 10.

GRANTS AND AWARDS

- Winner (with Dannielle Wenner), 2018 APA OpEd Contest for "How to End International Tax Competition"
- New Directions: The Philosophy of Traditional, Behavioral, and Complexity Economics (PI, 2018) Andrew W. Mellon Foundation. Amount: \$190,000
- Modeling Scientific Training (PI, 2017) Andrew W. Mellon Seed Grants for Technology-Enhanced Learning and Digital Humanities administered by Carnegie Mellon University Amount: \$9,444
- Vaccine Modeling Initiative II (Sub-contractor to Graduate School of Public Health, University of Pittsburgh, 2013) Bill and Melinda Gates Foundation. Contracting amount for Zollman: \$83,461

National Science Foundation Early Career Award: Incentives Diversity and Scientific Problem Choice (PI, 2013) National Science Foundation: Science, Technology, and Society (SES 1254291). Total Award: \$405,527

Collaborative Research: Dynamic perspectives on costs and conflicts in signaling interactions (co-PI with Simon Huttegger and Carl Bergstrom, 2010) National Science Foundation: Advances in Theoretical Biology (EF 1038456). Total award for Zollman: \$191,345

Scholars Award: Simulating Science (PI, 2010) National Science Foundation: Science, Technology, and Society (SES 1026586). Total Award: \$165,392

NAMED LECTURES

Conformity, Social Networks, and the Emergence of Pluralistic Ignorance (2022) *Ian Moore Memorial Lecture*, Towson University

Wittgenstein Lectures, Universität Bayreuth (Originally planned for 2020, canceled due to pandemic)

INVITED TALKS

The evolutionary significance of the hybrid equilibrium in signaling games (2022) Columbia University (Economics)

Is “scientific progress through bias” a good idea? (2021 & 2022) London School of Economics, University of Bristol, Carnegie Mellon, University of Maryland

Homophily, polarization, and epistemic performance (2021) University of Utah

Conformity, Social Networks, and the Emergence of Pluralistic Ignorance (2020) Northeastern University, University of Leeds, Carnegie Mellon, University of Pittsburgh, University of Stirling, Johns Hopkins University.

Wisdom of the Crowds and Information Cascades: Modeling the Boundary (2020) University of Bristol

Epistemic Governance (2019) University of Toronto

Scientific diversity and the theoretical virtues: a simulation approach (2019) University of British Columbia, Northeastern University, Santa Fe Institute, Department of Social and Decision Sciences Carnegie Mellon University; & (2020) London School of Economics

Science, Progress, and the Desire for Credit (2019) Center for Philosophy of Science, University of Pittsburgh

The concept of ‘signal’ in biological and social sciences. Tufts University (2019); University of Missouri, Columbia (2019); & MindCORE, University of Pennsylvania (2018).

Methods for Maintenance of Cognitive Diversity (2018) Center for Information and Bubble Studies, University of Copenhagen

Should Scientists Care About Truth? (2018) University of Washington

The Credit Economy and the Economic Rationality of Science (2017) Australian National University

Epistemic Social Dilemmas (2017) Simon Frazier University

Ethics, Uncertainty, and the Benefits of Scientific Diversity (2017) Center for the Study of Bioethics, University of Belgrade

The Credit Economy and the Economic Rationality of Science (2017) University of California, Irvine.

Computer Simulation as a Tool for the Philosopher (2014) Ludwig-Maximilians Universität

The formation of Epistemic Networks (2014) University of Groningen

A systems oriented approach to the problem of testimony (2014) Heinrich-Heine-Universität

A systems oriented approach to the problem of testimony (2014) Ludwig-Maximilians Universität

The formation of epistemic networks (2014) Universität Bayreuth

Understanding the reward system of science: An economic approach (2014) Center for Philosophy of Science, University of Pittsburgh

Bandit problems, bounded rationality, and social networks. (2014) Institute for Mathematical Behavioral Sciences, University of California, Irvine

Answering the intentionality challenge in language: Distinguishing between indicatives and imperatives using simple signaling games. (2010) Kansas State University & University of Missouri, Columbia

The independence thesis: When individual and social epistemology diverge. (2010) Center for Logic and Philosophy, University of Tilburg

Evolutionary considerations in the framing of social norms. (2010) Center for Behavioral Decision Research, Carnegie Mellon University

Social structure and social influence. (2010) Social Dynamics Seminar, University of California, Irvine

When is information harmful? (2009) Sun Yat-Sen University

Comparative statics in biological game theory: A case study in signaling (2009) Department of Philosophy, Carnegie Mellon University

The epistemic benefit of transient diversity. (2009) University of Alberta & University of British Columbia

Plasticity and language: An example of the Baldwin effect? (2008) Cognitive Science Cluster, University of Wisconsin, Madison

Signaling and the stag hunt, Evolution and signaling games & Introduction to evolutionary game theory (2014) University of Konstanz.

CONFERENCE PRESENTATIONS

(i) = invited, **(s)** = submitted

The tension between research assessment and supporting cognitive diversity (2023) CLMPST, Buenos Aires, Argentina **(i)**

Is “scientific progress through bias” a good idea? (2023) Workshop on Agent-Based Models of Epistemic Communities, Bochum, Germany **(i)**, CLMPST, Buenos Aires, Argentina **(s)**

The evolutionary significance of the hybrid equilibrium in signaling games (2022) Workshop on Foundations of Game Theory, Tokyo, Japan **(i)**

Diversity of epistemic standards in the process of inquiry (2022) APA Central, Chicago, Illinois **(i)**

- The Dynamics of Journal Prestige (2021) Philosophy of Science Association, Baltimore, MD (s)
- Homophily, Polarization, and Epistemic Performance: A simple model (2021) Disinformation, Epistemic Vices, & Online Harm, Berlin (i)
- Conformity, Social Networks, and the Emergence of Pluralistic Ignorance (2020) Social Norms & Game Theory, Berlin (i)
- Wisdom of the Crowds and Information Cascades: Modeling the boundary (2019) Building Better Epistemic Networks, Melbourne (i); (2020) Social (Distance) Epistemology Event (s)
- Scientific diversity and the theoretical virtues (2019) Agent Based Models in Philosophy, Bochum (i)
- The Scientific Ponzi Scheme (2018) Philosophy of Science Association Meeting, Seattle (s)
- Game Theory as a Tool for the Social Epistemologist (2018) International Symposium on Logic and Uncertainty, Guangzhou (i)
- Epistemic Governance (2018) Formal Social Epistemology Workshop, Irvine (i)
- Methods for Maintenance of Cognitive Diversity (2018) Workshop on Scientific Philosophy, Irvine (i) & Formal Epistemology and Social Networks, Lund (i)
- Epistemic Social Dilemmas (2017) Social Norms in Epistemic Communities, Melbourne (i) & Workshop on Rationality, Logic, and Decisions, Amsterdam (i)
- Ethics, Uncertainty, and the Benefits of Scientific Diversity (2017) Philosophy of Science Association Meeting, Atlanta
- Dilemmas in Choosing Experiments (2016) Philosophy of Scientific Experimentation 5, Belgrade (i)
- The Theory of Games as a Tool for the Social Epistemologist (2016) Formal Approaches to Social Epistemology, Bristol (i) & Decisions, Games and Logic, Ann Arbor (i)
- Kantian Decisionmaking Under Uncertainty (2016) Formal Epistemology Workshop, Groningen (i)
- The credit economy and the economic rationality of science. Columbia Workshop on Group Agency and Social Epistemology, New York (invited, 2016); Congress for Logic, Methodology, and Philosophy of Science, Helsinki (invited, 2015); Society for Exact Philosophy, Hamilton (submitted, 2015); & Rational Choice and Philosophy, Nashville (invited, 2014)
- Social networks, learning, and bandit problems. (2015) LogCIC Workshop: Reasoning in a Social Context, Amsterdam (i)
- Two dilemmas for deliberative groups (2015) Sawyer Seminar: Epistemic Value of Group Deliberation, Evanston (i)
- The formation of epistemic networks (2014) Agent-Based Modeling in Philosophy, Munich (i)
- The evolution of signaling when interests conflict. Conference on Correlated Information Change, Amsterdam (invited, 2014) & Social Dynamics Workshop, Irvine (invited, 2013)
- The handicap principle is an artifact (2014) Philosophy of Science Association Meeting, Chicago (s)
- Conservatism and the Scientific State of Nature. Society for Exact Philosophy, Montreal (submitted, 2013); Choosing the future of science: The social organization of scientific

- inquiry, Pittsburgh (invited, 2013); Collective Dimensions of Science, Nancy (submitted, 2011); & Congress for Logic, Methodology, and Philosophy of Science, Nancy (submitted 2011)
- Understanding the reward system of science: An economic approach (2013) American Association for the Advancement of Science, Boston (s)
- Cheapter-Than-Costly Signaling (2012) Philosophy of Science Association Meeting, San Diego (s)
- Methodology in biological game theory (2012) Society for Exact Philosophy, Columbus (s)
- A Systems-Oriented Approach to the Problem of Testimony (2012) Frontiers of Rationality and Decision, Groningen (i)
- The evolution of directives and assertions (2012) Signaling and Meaning Workshop, New York (i)
- Diversity, Freedom, and the Incentive System of Science (2011) Collective Dimensions of Science, Nancy (s)
- Concerns and alternatives to costly signaling in biology. (2011) Strategic Interactions in Humans and Other Animals, Altenberg (i)
- Network epistemology: A tutorial. (2011) Episteme: Formal Epistemology, Pittsburgh (i)
- Systems-oriented social epistemology and a Humean approach to testimony. (2011) Invited Faculty Speaker, Pitt/CMU Graduate Student Conference, Pittsburgh
- Individual and group rationality in inquiry. (2010) Logic, Reason, and Rationality, Ghent (s) & LOFT 2010, Toulouse (s)
- The inconsistency thesis: When individual and social epistemology diverge. (2010) Networks, Signaling, and Social Epistemology Workshop, London (i)
- Social network structure and the achievement of consensus. (2010) PPE 2010: Dealing with Complexity, New Orleans (i)
- Tutorial: Game theory and the evolution of signaling. (2009) Formal Epistemology Workshop, Pittsburgh (i)
- Modeling the directive/assertion distinction. (2009) American Philosophical Association – Pacific Division, Vancouver (s)
- When is information harmful? (2009) Workshop on Evolution, Game Theory, and the Social Contract, Irvine (i)
- Parameter estimation and social structure: A study in social epistemology. (2008) Philosophy of Science Association Meeting, Pittsburgh (s)
- A simulation study of journal publishing. (2008) Workshop on Computer Simulations in Social Epistemology, Leuven (i)
- Network epistemology. (2008) Formal Methods in Philosophy Workshop, Philadelphia (i)
- The reduction of strategic plasticity: Evolution, game theory, and the Baldwin effect. (2008) Skyrmsfest: 2008 Laguna Workshop in Honor of Brian Skyrms, Laguna Beach (i)
- The epistemic benefit of transient diversity. (2007) Formal Epistemology Workshop, Pittsburgh (i)
- The communication structure of epistemic communities. (2006) Philosophy of Science Association Meeting, Vancouver, (s) & North American Computing and Philosophy Conference, Troy (s)

- Game theoretic explanations in complex environments. (2005) North American Computing and Philosophy Conference, Corvallis (s)
- Providing class information of the web: Browsers, programs, plugins, and links. (1996) American Association of Physics Teachers Summer Meeting. (i)
- Using the world wide web in teaching and curriculum development. (1995) American Association of Physics Teachers Summer Meeting. (s)
- Using Toolbook to construct interactive physics lessons. (1995) National Conference on Computers in Physics Teaching. Torun, Poland. (i)
- SharePhys: distributing physics software over the internet. (1994) American Association of Physics Teachers Summer Meeting. (s)

TEACHING EXPERIENCE

Carnegie Mellon University (2008–)

Graduate Courses: Core Seminar; Incommensurability; Game Theory and Evolution of Signaling; Rational Choice; Game Theory; Philosophy of Biology; Seminar on Social Epistemology; Formal Methods; Evolutionary Game Theory; Philosophy of Economics; David Hume; Seminar on Formal Epistemology: Network Epistemology; David Hume; Adam Smith

Undergraduate Courses: Rational Choice; Game Theory; Freshman Seminar: Social Dilemmas; Philosophy of Biology; Philosophy of Economics; David Hume; Freshman Seminar: Modeling Social Behavior; Adam Smith

Summer Schools and Short Classes

Summer School for Logic and Formal Epistemology (Carnegie Mellon University, 2011, 2015, 2022); *Pitt Summer Program for Underrepresented Groups in Philosophy* (2017-2020 & 2022); *International Rationality Summer Institute* (Irsee, 2018); *CMU Summer School in Digital Humanities* (2016–2019); *MCMP Summer School for Female Philosophers* (Munich, 2015); *The Computational Turn: Simulation in Science* (Vienna, 2015); *Graduate Workshop in Computational Social Science, Modeling and Complexity*. (Santa Fe Institute, 2015 & 2019); *Pitt-Tsinghua Summer School in Philosophy of Science* (Beijing, 2014); *North American Summer School for Logic, Language, and Information* (College Park, 2014); *Master Class on Game Theory* (Duke University, 2013); *Info-Metrics Institute Summer School on Data Mining* (American University, 2012); *Agent-Based Modeling in Philosophy* (Spa, 2012).

University of California, Irvine (2002-2007)

Courses: Probability and Statistics; Philosophy of Biology; Honors Introduction to the Social Sciences: Naturalized Epistemology; Epistemology; Philosophy of Law; Introduction to Symbolic Logic; and Inductive Logic.

MENTORING

Postdoctoral

External Mentor for David Kinney, Omidyar Fellow at the Santa Fe Institute.

Ph.D.

Yao Fan (Ph.D. University of Pittsburgh, 2023) *Individuals and Institutions: Essays on Social and Political Epistemic Systems*; Connor Robinson-Arnall (Ph.D., 2020) *Endogenous Preferences, Welfare Economics, and the Social Contract*; Liam Kofi Bright (Ph.D., 2018) *Choosing Questions*; Remco Heesen (Ph.D., 2016) *To Expedite the Flow of Knowledge*; Patricia Rich (Ph.D., 2015) *Rationality in Context: Practical Guidance Through a Hybrid Approach*; Paul Pedersen (Ph.D., 2012) *Archimedes Wake*; Ruth Proposki (Ph.D., 2012) *Modeling Conversation: The Role of Common Interest, Speaker Competence, and Relevance in Gricean Pragmatics*

Masters

Zhongxia “Ricky” Zhao (M.S. 2023) *An Evolutionary Model of Subgame Perfect Equilibrium*; Alicja Kowalewska (M.S. 2022) *Aggregating Bayesian Networks*; Bele Wollesen (M.S. 2020) *Voting Through Multiple Lenses*; Masayuki Tashiro (M.S. 2017) *Decision Paradox and Rationality*; Isaac Davis (M.S. 2017) *Understanding the Role of Perception in Language Learning and Language Evolution*; Connor Robinson-Arnall (M.S. 2017) *The Normative Force of Moral Signals*; Michael Bonin (M.S. 2016) *The Game Theory of Forecasting Tournaments*; Aydin Mohseni (M.S. 2015) *The Limitation of Equilibrium Concepts in Evolutionary Game Theory*; Liam Kofi Bright (M.S., 2015) *The Study of Scientific Problems*; Aidan Kestigian (M.S., 2015) *Voting in Epistemic Democracies*; James Keller (M.S., 2013) *An Evaluation of the Dutch Book Arguments*; Remco Heesen (M.S., 2013) *Interaction Networks With Imperfect Evidence: Possible Explanations For the Existence of Academic Superstars*; Ben Witte (M.A., 2012) *Three Essays on Social Norms*; Patricia Rich (M.S., 2010) *A Strengthened Case for Backward Induction when there is Common Knowledge of Rationality*

Undergraduate

Jacob Spence (Undergraduate Thesis, 2020) *Effects of Disruption on Reinforcement Learners in Signalling Games*; Mostafa Fahmy (Undergraduate Thesis, 2013) *Seductive Software: Signaling and Sexual Selection in Digital Organisms*; Patrick Bodily-Kane (Undergraduate Honors Thesis, 2012) *An Analysis of the Three Signal Sir Philip Sidney Game*

ACADEMIC SERVICE**Service at CMU**

Director of Graduate Studies, Philosophy (2014–2023); Review Committee for Dietrich College Dean Reappointment (2019); University wide Retention, Promotion, and Tenure Review Committee (2018-2020); CMU Faculty Senate (2011-2013); Internal reviewer for ACLS/Mellon new faculty fellows program (2010-2011)

Peer review

Philosophy Journals: Journal of Philosophy; Mind; Nous; Philosophers’ Imprint; Philosophical Studies; Ethics; Analysis; Philosophy of Science; British Journal for the

Philosophy of Science; Synthese; Erkenntnis; Theory and Decision; Australasian Journal of Philosophy; Review of Symbolic Logic; The Logic Journal of the IGPL; Episteme; Philosopher's Compass; Philosophy and Technology; Journal of Philosophical Research; Journal of Logic, Language, and Information; History and Philosophy of Life Sciences

Science Journals: Proceedings of the National Academy of the USA; Proceedings of the Royal Society of London B: Biological Sciences; Philosophical Transactions of the Royal Society of London B: Biological Sciences; Nature Communications; Scientific Reports; Review of Symbolic Logic; Animal Behaviour; Journal of Theoretical Biology; Social Choice and Welfare; Communications of the ACM; Journal of Automated Reasoning; Mathematical Logic Quarterly; Quarterly Review of Biology; Evolution and Human Behavior; Journal of Artificial Societies and Social Simulation; Journal of Experimental and Theoretical Artificial Intelligence; Scientific Reports

Books: Cambridge University Press; Oxford University Press; MIT Press; Routledge; Columbia University Press

Conferences: FAX 2; FEW 2022; TARK 2021; Epistemology of Science Workshop; Philosophy of Science Association Meeting 2018; Epistemology of Modeling and Simulation; Episteme: Formal Epistemology; Choosing the Future of Science; Models and Decisions; Evidence, Inference, and Risk; Formal Epistemology Workshop; 24th German Congress for Philosophy

Grants: National Science Foundation; National Institutes of Health; Social Science and Humanities Research Council, Canada; Estonian Research Council; University of South Carolina; Danish Council for Independent Research; Hungarian National Research, Development, and Innovation Office; Netherlands Organization for Scientific Research.

Professional Service

Administration: Treasurer, Philosophy of Science Association (2019–)

External mentoring: Faculty mentor, Underrepresented Philosophy of Science Scholars Program (2020 & 2022)

Associate editor: Philosophy of Science (2013–2017 & 2023); Ergo (2018–2021)

Editorial board: Philosophy of Science (2018–); Nominating Editor Philosopher's Annual (2017–)

Special issue editor: Philosophical Studies; Philosophy and Technology; Synthese; Episteme: The journal of individual and social epistemology

Member: Advisory Board, Academic Placement Data and Analysis (2020—); Standing Committee on Outreach and Engagement, Philosophy of Science Association (2017–); Editor and Chief Search Committee, Philosophy of Science Association (2016)