

KEVIN J.S. ZOLLMAN

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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

Academic Positions

Assistant Professor
Carnegie Mellon University (2009-)

Associate Fellow
Center for Philosophy of Science, University of Pittsburgh (2009-)

Herbert Simon Postdoctoral Fellow in Scientific Philosophy
Carnegie Mellon University (2008- 2009)

Areas of Specialization

Game and Decision Theory, Philosophy of Science, Philosophy of Biology

Areas of Competence

Epistemology, Social and Political Philosophy (especially Hobbes), Naturalism,
Logic

Publications

- Huttegger, Simon and Kevin J.S. Zollman (forthcoming) The Limits of ESS Methodology In Ken Binmore and Samir Okasha (eds.), *Evolution and Rationality: Decisions, Cooperation, and Strategic Behavior*.
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (forthcoming) The Inconsistency Thesis: When Individual and Social Epistemology Diverge *Philosophy of Science*
- Zollman, Kevin J.S. (forthcoming) Social network structure and the achievement of consensus. *Politics, Philosophy, and Economics*
- Zollman, Kevin J.S. (forthcoming) Separating directives and assertions using simple signaling games *Journal of Philosophy*
- Huttegger, Simon and Kevin J.S. Zollman (forthcoming) Signaling Games: The Dynamics of Evolution and Learning. In Anton Benz (ed.), *Language, Games, and Evolution*
- Zollman, Kevin J.S. (2011) The Communication Structure of Epistemic Communities. In Alvin Goldman and Dennis Whitcomb (eds.), *Social Epistemology: An Anthology*. Oxford: Oxford University Press
- Skyrms, Brian and Kevin Zollman (2010) Evolutionary Considerations in the Framing of Social Norms. *Politics, Philosophy, and Economics* 9(3): 265-273
- 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
- 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* C8: 97-105.
- Zollman, Kevin and Dean Zollman (1997). Interactive Forms on the Web. *Computers in Physics* 11: 17-20.

Book Reviews

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

Working Papers

- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2010) Wisdom of the Crowds vs. Groupthink: Learning in Groups and Isolation. *Carnegie Mellon university – Department of Philosophy, Technical Report 188*
- Smead, Rory and Kevin J.S. Zollman (2009) The Stability of Strategic Plasticity. *Carnegie Mellon University – Department of Philosophy, Technical Report 182*
- Huttegger, Simon, Brian Skyrms, Rory Smead, and Kevin Zollman (2007) Evolutionary Dynamics of Lewis Signaling Games: Signaling Systems vs. Partial Pooling. *University of California, Irvine – Institute for Mathematical Behavioral Sciences, Technical Report 07-01*

Invited Talks

- Zollman, Kevin J.S. (2010) “Answering the intentionality challenge in language: Distinguishing between indicatives and imperatives using simple signaling games” Kansas State University, Manhattan, Kansas
- Zollman, Kevin J.S. (2010) “Answering the intentionality challenge in language: Distinguishing between indicatives and imperatives using simple signaling games” University of Missouri, Columbia, Missouri
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2010) “The Independence Thesis: When Individual and Social Epistemology Diverge” University of Tilburg, Netherlands (presented by Zollman)
- Skyrms, Brian and Kevin J.S. Zollman (2010) “Evolutionary Considerations in the Framing of Social Norms” Center for Behavioral Decision Research, Carnegie Mellon University, Pittsburgh, Pennsylvania (presented by Zollman)
- Zollman, Kevin J.S. (2010) “Social Structure and Social Influence” Social Dynamics Seminar, University of California, Irvine
- Zollman, Kevin J.S. (2009) “When is Information Harmful?” Institute for Logic and Cognition, Sun Yat-Sen University, Guangzhou, China
- Zollman, Kevin J.S. (2009) “Comparative Statics in Biological Game Theory: A Case Study in Signaling.” Carnegie Mellon University, Pittsburgh, Pennsylvania
- Zollman, Kevin J.S. (2009) “The Epistemic Benefit of Transient Diversity” University of Alberta, Edmonton
- Zollman, Kevin J.S. (2009) “The Epistemic Benefit of Transient Diversity” University of British Columbia, Vancouver
- Zollman, Kevin J.S. and Rory Smead (2008) “Plasticity and Language: An Example of the Baldwin Effect?” University of Wisconsin, Madison
- Zollman, Kevin J.S. (2004) “Signaling and the Stag Hunt” University of Konstanz, Konstanz, Germany.
- Zollman, Kevin J.S. (2004) “Evolution and Signaling Games” University of Konstanz, Konstanz, Germany.
- Zollman, Kevin J.S. (2004) “Introduction to Evolutionary Game Theory” University of Konstanz, Konstanz, Germany.

Conference Presentations

- Zollman, Kevin J.S. (2011) “Systems-Oriented Social Epistemology and a Humean Approach to Testimony” Invited Faculty Speaker, *Pitt/CMU Graduate Student Conference*, Pittsburgh, PA
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2010) “Individual and Group Rationality in Inquiry” *Logic, Reason, and Rationality*, Ghent, Belgium (presented by Zollman)
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2010) “The Inconsistency Thesis: When Individual and Social Epistemology Diverge” *Networks, Signaling, and Social Epistemology Workshop*, London School of Economics, U.K. (presented by Zollman)
- Mayo-Wilson, Conor, Kevin J.S. Zollman, and David Danks (2010) “Individual and Group Rationality in Inquiry” *LOFT 2010*, Toulouse, France (presented by Zollman)
- Zollman, Kevin J.S. (2010) “Social Network Structure and the Achievement of Consensus” *PPE 2010: Dealing with Complexity*, New Orleans, Louisiana
- Zollman, Kevin J.S. (2009) “Tutorial: Game theory and the evolution of signaling” *Formal Epistemology Workshop*, Pittsburgh, Pennsylvania
- Zollman, Kevin J.S. (2009) “Modeling the Directive/Assertion Distinction” *American Philosophical Association – Pacific Division*, Vancouver, British Columbia, Canada
- Zollman, Kevin J.S. (2009) “When is Information Harmful?” *Workshop on Evolution, Game Theory, and the Social Contract*, Irvine, California
- Zollman, Kevin J.S. (2008) “Parameter Estimation and Social Structure: A Study in Social Epistemology” *Philosophy of Science Association Meeting*, Pittsburgh, Pennsylvania
- Zollman, Kevin J.S. (2008) “A Simulation Study of Journal Publishing” *Workshop on Computer Simulations in Social Epistemology*, Leuven, Belgium
- Zollman, Kevin J.S. (2008) “Network Epistemology” *Formal Methods in Philosophy Workshop*, Philadelphia, Pennsylvania.
- Smead, Rory and Kevin J.S. Zollman (2008) “The Reduction of Strategic Plasticity.” *Formal Epistemology Workshop*, Madison, Wisconsin. (presented by Smead)
- Zollman, Kevin J.S. and Rory Smead (2008) “The Reduction of Strategic Plasticity: Evolution, Game Theory, and the Baldwin Effect” *Skyrmsfest: 2008 Laguna Workshop in Honor of Brian Skyrms*, Laguna Beach, California.
- Zollman, Kevin J.S. (2007) “The Epistemic Benefit of Transient Diversity” *Formal Epistemology Workshop*, Pittsburgh, Pennsylvania

- Zollman, Kevin J.S. (2006) “The Communication Structure of Epistemic Communities” Philosophy of Science Association Meeting, Vancouver, British Columbia
- Zollman, Kevin J.S. (2006) “The Communication Structure of Epistemic Communities” North American Computing and Philosophy Conference, Troy, New York
- Zollman, Kevin J.S. (2005) “Game Theoretic Explanations in Complex Environments” North American Computing and Philosophy Conference, Corvallis, Oregon.
- Zollman, Dean, Kirsten Hogg, Solomon Itza-Ortiz, and Kevin Zollman (2002) “An Online Modern Physics Course for In-Service Teachers.” American Association of Physics Teachers Winter Meeting. (Contributed; presented by Dean Zollman)
- Zollman, Kevin and Dean Zollman (1996). “Providing class information of the web: Browsers, Programs, Plugins, and Links.” American Association of Physics Teachers Summer Meeting. (Invited)
- Zollman, Kevin and Dean Zollman (1995). “Using the World Wide Web in teaching and curriculum development,” American Association of Physics Teachers Summer Meeting. (Contributed)
- Zollman, Kevin and Dean Zollman (1994). “Using Toolbook to construct interactive physics lessons.” National Conference on Computers in Physics Teaching. Torun, Poland.
- Zollman, Kevin and Dean Zollman (1994). “SharePhys: distributing physics software over the internet.” American Association of Physics Teachers Summer Meeting. (Contributed)

Teaching Experience

Positions at Carnegie Mellon University (2008-current)

Graduate Courses: Game Theory and Evolution of Signaling; Rational Choice; Game Theory; Philosophy of Biology; Seminar on Social Epistemology; Formal methods

Undergraduate Courses: Rational Choice; Game Theory; Social Dilemmas; Philosophy of Biology

Teaching Associate, University of California, Irvine (Spring 2007)

Course: Philosophy of Law

Teaching Assistant, 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.

Grants

- “Collaborative Research: Dynamic perspectives on costs and conflicts in signaling interactions” 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” (2010) National Science Foundation: Science, Technology, and Society (SES 1026586). Total Award: \$165,392
- “Developing Modules for the 29, 30, 31 Sequence Utilizing the Wiki Framework” (2006) Department of Logic and Philosophy of Science, University of California, Irvine (with Sam Hillier, Waldemar Rohloff, and Carla Valenzuela).
- “Web Based Enrichment and Evaluation in the Social Science Honors Sequence” (2005) Division of Undergraduate Education, University of California, Irvine (with Preston Kyle Stanford, Jeffrey Barrett, and Sam Hillier).

Academic Service

- Program committee for *The Epistemology of Modeling and Simulation Conference*, Pittsburgh, PA, April 1-3, 2011.
- CMU internal review panelist for ACLS/Mellon new faculty fellows program (2010)
- Co-editor (with Brad Armendt) of an issue of *Philosophical Studies*
- Reviewer for *Philosophy of Science*, *British Journal for the Philosophy of Science*, *Synthese*, *The Logic Journal of the IGPL*, *Philosophical Studies*, *Journal of Automated Reasoning*, *Review of Symbolic Logic*, *Episteme*, *Theory and Decision*, *MIT Press*
- Panelist for National Science Foundation (Feb 2009, Jun 2009)
- Editor (2004-current) and administrator (2005-current) of the English language Wikipedia.