Stanford



Brian Skyrms

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Honorary Faculty Emeritus, Philosophy

ADMINISTRATIVE APPOINTMENTS

- Lectureship for Research, UCI, (2001-2002)
- Fellow, Center for Advanced Study in the Behavioral Sciences, (1993-1994)
- Guggenheim Fellow, John Simon Guggenheim Memorial Foundation, (1987-1988)
- Humanities Council Senior Fellow and Old Dominion Fellow, Princeton University, (1987-1987)
- President's Research Fellow in the Humanities, University of California, (1993-1994)
- Assistant Professor, California State University, Northridge, (1964-1965)
- Assistant Professor, University of Delaware, (1965-1966)
- Visiting Assistant Professor, University of Michigan, (1966-1967)
- Assistant Professor, University of Ilinois, Chicago, (1967-1968)
- Associate Professor, University of Ilinois, Chicago, (1968-1970)
- Professor, University of Ilinois, Chicago, (1970-1980)
- Professor, University of California, Irvine, (1980-1997)
- Professor of Economics, University of California, Irvine, (1997- present)
- UCI Distinguished Professor of Philosophy, University of California, Irvine, (1997- present)
- UCI Distinguished Professor of Social Science, University of California, Irvine, (1999- present)
- Logic and Philosophy of Science Professor of Philosophy, Stanford University, (2007- present)

HONORS AND AWARDS

- Carl Gustav Hempel Award, Philosophy of Science Association (Nov. 2016)
- Elected Fellow, National Academy of Sciences of the USA (1999)
- Lakatos Prize, London School of Economics and Political Science (1999)
- Extraordinarius Award, University of California, Irvine (2011)
- Synthese Distinguished Paper Award, Synthese (published by Springer) (2010)
- Paul Silverman Award in Foundations of Ethics, University of California, Irvine (2006)
- Distinguished Alumnus Award for Excellence, University of Pittsburgh (1986)

- UCI Distinguished Lectureship for Research, University of California, Irvine (2001-2002)
- Elected Fellow, American Association for the Advancement of Science (2004)
- Fellow, Center for Advanced Study in Behavioral Sciences (1993-94)
- Guggenheim Fellow, Guggneheim Foundation (1987-88)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, Philosophy of Science Association (2004 - 2006)
- President, American Philosophical Association (Pacific) (2000 - 2001)
- Member, National Academy of Sciences (1999 - present)
- Member, American Academy of Arts and Sciences (1994 - present)
- Member of Governing Board, Western Center of the American Academy of Arts and Sciences (2000 - 2006)
- Director, Interdisciplinary Program in History and Philosophy of Science, University of California, Irvine
- Member, Governing Board, Institute for Mathematical Behavioral Science, University of California, Irvine
- Research Affiliate, Center for the Scientific Study of Ethics, University of California, Irvine
- Research Affiliate, Symbolic Systems, Stanford University
- Member of Governing Board, American Philosophical Association (1987 - 1990)
- Member of Governing Board, American Philosophical Association (1999 - 2002)
- Member of Governing Board, Philosophy of Science Association (1990 - 1991)
- Member of Governing Board, Institute for Mathematical Behavioral Sciences, University of California, Irvine (1998 - present)
- Member of Editorial Board, Proceedings of the National Academy of Sciences
- Member of Editorial Board, Erkenntnis
- Member of Editorial Board, Philosophy and Phenomenological Research
- Member of Editorial Board, American Philosophical Quarterly
- Member of Editorial Board, Nous
- Member of Editorial Board, Journal of Logic Language and Information
- Member of Editorial Board, Theory and Decision
- Member of Editorial Board, Philosophical Studies
- Member of Editorial Board, Risk, Decision and Policy
- Member of Editorial Board, Stanford Encyclopedia of Philosophy
- Member of Editorial Board, Topics in Contemporary Philosophy (Book Series)
- Member of Editorial Board, Theoria

PROGRAM AFFILIATIONS

- Symbolic Systems Program

PROFESSIONAL EDUCATION

- Ph.D., University of Pittsburgh , Philosophy (1964)
- M.A., University of Pittsburgh , Philosophy (1962)
- B.A., Lehigh University , Philosophy (1961)
- B.A., Lehigh University , Economics (1960)

Publications

PUBLICATIONS

- **Mill's Conversion: The Herschel Connection** *PHILOSOPHERS IMPRINT*
  Skyrms, B.
  2018; 18 (23): 1–24
- **Co-evolutionary Dynamics of Collective Action with Signaling for a Quorum** *PLOS COMPUTATIONAL BIOLOGY*
  Pacheco, J. M., Vasconcelos, V. V., Santos, F. C., Skyrms, B.
  2015; 11 (2)
- **Some dynamics of signaling games** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Huttegger, S., Skyrms, B., Tarres, P., Wagner, E.
  2014; 111: 10873-10880
- **Grades of Inductive Skepticism** *PHILOSOPHY OF SCIENCE*
  Skyrms, B.
  2014; 81 (3): 303-312
- **Probe and Adjust in Information Transfer Games** *ERKENNTNIS*
  Huttegger, S. M., Skyrms, B., Zollman, K. J.
  2014; 79: 835-853
- **The core theory of subjunctive conditionals** *SYNTHESE*
  Skyrms, B.
  2013; 190 (5): 923-928
- **Inventing New Signals** *DYNAMIC GAMES AND APPLICATIONS*
  Alexander, J. M., Skyrms, B., Zabell, S. L.
  2012; 2 (1): 129-145
- **Aspects of Naturalizing the Social Contract** *Complexity and Institutions: Markets, Norms and Corporations*
  Skyrms, B.
  edited by Aoki, M., Binmore, K., Deakin, S., Gintis, H.
  New York: Palgrave Macmillan.2012: 124–145
- **From Zeno to Arbitrage: Essays on Quantity, Coherence and Induction**
  Skyrms, B.
  Oxford University Press.2012
- **Co-evolution of pre-play signaling and cooperation** *JOURNAL OF THEORETICAL BIOLOGY*
  Santos, F. C., Pacheco, J. M., Skyrms, B.
  2011; 274 (1): 30-35
- **Evolutionary Dynamics of Collective Action** *Conference on Mathematics of Darwin's Legacy*
  Pacheco, J. M., Santos, F. C., Souza, M. O., Skyrms, B.
  BIRKHAUSER VERLAG AG.2011: 119–138
- **Resiliency, Propensity and Causal Necessity** *Philosophy of Probability: Contemporary Readings*
  Skyrms, B.
  edited by Eagle, A.
  Routledge.2011
- **Evolutionary considerations in the framing of social norms** *POLITICS PHILOSOPHY & ECONOMICS*
  Skyrms, B., Zollman, K. J.
  2010; 9 (3): 265-273
- **The flow of information in signaling games** *Laguna Workshop 2008 held in Honor of Brian Skyrms*

Skyrms, B.
SPRINGER.2010: 155–65

- **Pragmatics, Logic and Information Processing** *Language, Games and Evolution*
  Skyrms, B.
  edited by Benz, A.
  Berlin: Springer Verlag.2010: 177–187
- **Evolutionary dynamics of Lewis signaling games: signaling systems vs. partial pooling** *SYNTHESE*
  Huttegger, S. M., Skyrms, B., Smead, R., Zollman, K. J.
  2010; 172 (1): 177-191
- **Learning to Network** *Probability in Science*
  Skyrms, B.
  edited by Fetzer, J.
  Berlin: Springer.2010: 277–286
- **Signals: Evolution, Learning and Information**
  Skyrms, B.
  Oxford University Press.2010
- **Evolution of signalling systems with multiple senders and receivers** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Skyrms, B.
  2009; 364 (1518): 771-779
- **Learning to signal: Analysis of a micro-level reinforcement model** *STOCHASTIC PROCESSES AND THEIR APPLICATIONS*
  Argiento, R., Pemantle, R., Skyrms, B., Volkov, S.
  2009; 119 (2): 373-390
- **Evolutionary dynamics of collective action in N-person stag hunt dilemmas** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Pacheco, J. M., Santos, F. C., Souza, M. O., Skyrms, B.
  2009; 276 (1655): 315-321
- **Common Knowledge, the Cooperative Principle and Adaptive Dynamics** *Why We Cooperate*
  Skyrms, B.
  Cambridge, Mass., MIT Press.2009
- **Evolution and the Social Contract** *The Tanner Lectures on Human Values 28. Salt Lake City*
  Skyrms, B.
  University of Utah Press.2009: 47–63
- **Evolution of Signaling Systems with Multiple Senders and Receivers** *Philosophical Transactions of the Royal Society B.*
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- **Diachronic Coherence and Radical Probabilism** *Conference on Degrees of Belief*
  Skyrms, B.
  SPRINGER.2009: 253–261
- **Diachronic Coherence and Radical Probabilism** *Bruno de Finetti, Radical Probabilist*
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  edited by Galavotti, M. C.
  London: College Publications.2009: 85–96
- **Groups and Networks: Their Role in the Evolution of Cooperation** *In Games, Groups and the Global Good*
  Skyrms, B.
  edited by Levin, S.
  Berlin: Springer.2009: 105–114

- **Chaos and the Explanatory Significance of Equilibrium: Strange Attractors in Evolutionary Game Dynamics** *The Dynamics of Norms*
  Skyrms, B.
  edited by Bicchieri, C.
  Cambridge University Press: New York.2009: 199–222
- **A Dynamic Model of Social Network Formation** *Adaptive Networks*
  Pemantle, R., Skyrms, B.
  edited by Gross, T., Sayama, H.
  Springer Verlag.2009: 231–251
- **Presidential Address: Signals** *PHILOSOPHY OF SCIENCE*
  Skyrms, B.
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- **The Social Contract Naturalized** *Justice, Political Liberalism and Utilitarianism:Themes from Harsanyi and Rawls*
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  edited by Fleurbaey, M., Salle, M., Weymark, J.
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- **Evolution of Inference** *The Stag Hunt and the Evolution of Social Structure in Reasoning: Studies in Human Inference and its Foundations*
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  edited by Alder, J., Rips, L.
  Cambridge: Cambridge University Press.2008
- **La Caza del Ciervo y la Evolución de la Estructura Social**
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  Melusina.2007
- **Diachronic coherence and radical probabilism** *19th Biennial Meeting of the Philosophy-of-Science-Association*
  Skyrms, B.
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- **Evolutionary Dynamics of Collective Action in N-person Stag-Hunt Dilemmas** *Proceedings of the Royal Society B*
  Santos, F., Souza, M., Skyrms, B.
  edited by Pachero, J.
  2006: 315–21
- **Discovering "weight, or the value of knowledge"** *Conference on Cambridge and Vienna held in honor of Frank P Ramsey*
  Skyrms, B.
  SPRINGER.2006: 55–65
- **Dynamics of conformist bias** *MONIST*
  Skyrms, B.
  2005; 88 (2): 260-269
- **Signals, Evolution and the Explanatory Power of Transient Information** *Evolution, Rationality and Cognition: A Cognitive Science for the twenty-first century*
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  edited by Zalhao, A.
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- **Network formation by reinforcement learning: the long and medium run** *MATHEMATICAL SOCIAL SCIENCES*
  Pemantle, R., Skyrms, B.
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- **Time to absorption in discounted reinforcement models** *STOCHASTIC PROCESSES AND THEIR APPLICATIONS*
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- **Discovering 'Weight, or the Value of Knowledge'** *Cambridge and Vienna: Frank P. Ramsey and the Vienna Circle*
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  Berlin: Springer.2004: 55–65
- **The Stag Hunt and the Evolution of Social Structure**
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  Cambridge University Press: Cambridge, Mass.2004
- **Learning to take turns** *ERKENNTNIS*
  Vanderschraaf, P., Skyrms, B.
  2003; 59 (3): 311-348
- **Signals, evolution and the explanatory power of transient information** *PHILOSOPHY OF SCIENCE*
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  2002; 69 (3): 407-428
- **Altruism, inclusive fitness, and "the logic of decision"** *17th Biennial Meeting of the Philosophy-of-Science-Association*
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- **Stability and explanatory significance of some simple evolutionary models** *PHILOSOPHY OF SCIENCE*
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- **Evolution of Inference** *Dynamics in Human and Primate Societies: Agent-Based Modeling of Social and Spatial Processes,*
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- **Truth Dynamics** *Circularity, Definition and Truth*
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- **Game theory, rationality and evolution of the social contract** *JOURNAL OF CONSCIOUSNESS STUDIES*
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- **A Dynamic Model of Social Network Formation** *Proceedings of the National Academy of Sciences of the U.S.A.*
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- **Adaptive dynamic models and the social contract - Response to commentary discussion** *JOURNAL OF CONSCIOUSNESS STUDIES*

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- **Bargaining with neighbors: Is justice contagious?** *JOURNAL OF PHILOSOPHY*
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- **Precis of 'Evolution of the Social Contract'** *PHILOSOPHY AND PHENOMENOLOGICAL RESEARCH*
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- **General Facts** *Metascience*
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- **Salience and symmetry-breaking in the evolution of convention** *LAW AND PHILOSOPHY*
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- **Evolution of an Anomaly** *Protosociology*
  Skyrms, B.
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- **Mutual Aid** *Modeling Rationality and Morality, and Evolution*
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- **Game Theory** *Handbook of Defeasible Reasoning and Uncertainty Management: Volume 1 - Quantified Representation of Uncertainty and Imprecision*
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  edited by Gilles, D., Smets, P.
  Dordrecht, Kluwer.1998: 391–439
- **The Dynamics of Norms**
  edited by Bicchieri, C., Jeffrey, R., Skyrms, B.
  Cambridge University Press: New York.1997
- **The structure of radical probabilism** *Conference on Probability, Dynamics and Causality*
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- **Inductive Logic and Bayesian Statistics** *Statistics, Probability and Game Theory: Papers in Honor of David Blackwell*
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- **Evolution of the Social Contract**
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- **Carnapian Inductive Logic for Markov Chains** *The Legacy of the Vienna Circle: Modern Reappraisals*
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- **Adams Conditionals** *Probability and Conditionals*
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  edited by Skyrms, B., Eells, E. E.
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- **Logical Atomism and Combinatorial Possibility** *The Philosopher's Annual*
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- **Introduction to the Nobel Symposium on Game Theory** *Games and Economic Behavior*
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  Skyrms, B.
  edited by Audi, R.
  Cambridge University Press: Cambridge.1995: 368, 369, 468
- **Induction, Mathematical** *The Cambridge Dictionary of Philosophy*
  Skyrms, B.
  edited by Audi, R.
  Cambridge University Press: Cambridge.1995: 365, 369, 468
- **Induction** *The Cambridge Dictionary of Philosophy*
  Skyrms, B.
  edited by Audi, R.
  Cambridge University Press: Cambridge.1995: 368, 369, 468
- **Resiliency and Laws in the Web of Belief** *Laws of Nature Essays on the Philosophical, Scientific and Historical Dimensions*
  Skyrms, B., Lambert, K.
  edited by Weinert, F.
  de Gruyter: Berlin, New York.1995
- **Convergence in Radical Probabilism** *PSA 1994*
  Skyrms, B.
  edited by Hull, D., Forbes, M., Burian, R., Lansing, M. E.
  Michigan: Philosophy of Science Association.1995: 349–353
- **STRICT COHERENCE, SIGMA COHERENCE AND THE METAPHYSICS OF QUANTITY** *PHILOSOPHICAL STUDIES*
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- **DARWIN MEETS THE LOGIC OF DECISION - CORRELATION IN EVOLUTIONARY GAME-THEORY** *PHILOSOPHY OF SCIENCE*
  Skyrms, B.
  1994; 61 (4): 503-528
- **SEX AND JUSTICE** *JOURNAL OF PHILOSOPHY*
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- **Bayesian Projectibility** *Grue: Essays on the New Riddle of Induction*
  Skyrms, B.
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  Chicago: Open Court.1994: 241–262
- **Sex and Justice** *The Philosopher's Annual*
  Skyrms, B.
  edited by Grim, P.

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- **A MISTAKE IN DYNAMIC COHERENCE ARGUMENTS - DISCUSSION** *PHILOSOPHY OF SCIENCE*
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- **Analogy by Similarity in HyperCarnapian Inductive Logic** *Philosophical Problems of the Internal and External Worlds: Essays On the Philosophy of Adolf Grunbaum*
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- **Logical Atomism and Combinatorial Possibility** *The Journal of Philosophy*
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- **Deliberational Correlated Equilibria** *Philosophical Topics*
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- **Chaos in Game Dynamics** *Journal of Logic,Language and Information*
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- **Coherence, Probability and Induction** *Rationality in Epistemology*
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  Ridgeview: Atascadero, California.1992: 215–226
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- **Carnapian Inductive Logic for Markov Chains** *Erkenntnis*
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- **Quantification, Modality and Semantic Ascent** *Causality, Method and Modality*
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- **Stability and Chance** *Existence and Explanation*
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- **Ratifiability and the Logic of Decision** *Philosophy of the Human Sciences*
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- **Introduction to `Three Theorems of Metaphysics'** *Synthese*
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- **A Primer on Determinism** *Foundations of Physics*
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- **PROBABILITY AND CAUSATION** *JOURNAL OF ECONOMETRICS*
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- **UPDATING, SUPPOSING, AND MAXENT** *THEORY AND DECISION*
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- **DYNAMIC COHERENCE AND PROBABILITY KINEMATICS** *PHILOSOPHY OF SCIENCE*
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- **Dynamic Coherence** *Advances in the Statistical Sciences: Vol.II Foundations of Statistical Inference*
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- **EPR and the Metaphysics of Causation** *Symposium on the Foundations of Modern Physics:50 Years of the EPR Gadanken Experiment*
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- **MAXIMUM-ENTROPY INFERENCE AS A SPECIAL CASE OF CONDITIONALIZATION** *SYNTHESE*
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- **Pragmatics and the Principle of Empiricism** *The Heritage of Logical Positivism*

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