

Program

Friday, October 28, 9:00 a.m.-12:00 p.m.

Perception and Psychology

PSA Contributed Papers

Chair and

Commentator-at-Large: Peter Machamer, University of Pittsburgh

Papers:

A Defense of a Non-Computational, Interactive Model of Visual Observation.

Bonnie Tamarkin Paller, California State University–Northridge

Neo-Skinnerian Psychology: A Non-radical Behaviorism.

Terry L. Smith, University of the District of Columbia

The Pragmatics of Observation.

Richard Creath, Arizona State University

Marr's Theory of Vision and the Argument from Success.

Peter Morton, University of Western Ontario

Realism

PSA Contributed Papers

Chair and

Commentator-at-Large Bas van Fraassen, Princeton University

Papers:

Five Theses on Instrumental Realism.

Davis Baird, University of South Carolina

Constructive Empiricism and Anti-Realism.

Sam Mitchell, University of California–San Diego

Scientific Anti-Realism and the Epistemic Community.

William Seager, University of Toronto

Testing for Convergent Realism.

Jerrold L. Aronson, State University of New York–Binghamton

Formal Learning Theory

PSA Symposium

- Chair: William Demopoulos, University of Western Ontario
- Speakers: Scott Weinstein, University of Pennsylvania
Kevin Kelly, Carnegie-Mellon University
Edward Stabler, University of Western Ontario

Descartes

PSA Symposium

- Chair: Peter Dear, Cornell University
- Speakers: Daniel Garber, University of Chicago
Emily Grosholz, Pennsylvania State University
Gary Hatfield, University of Pennsylvania

Friday, October 28, 9:00 a.m.-12:30 p.m.

Substantival Spacetime and the Hole Argument

PSA Symposium

- Chair: Paul Teller, University of Illinois–Chicago
- Speakers: John Norton, University of Pittsburgh
Jeremy Butterfield, Cambridge University
Tim Maudlin, Rutgers University
John Stachel, Boston University

Friday, October 28, 2:00-5:00 p.m.

Physics

PSA Contributed Papers

- Chair and
Commentator-at-Large: Nicholas Maxwell, University College–London
- Papers: *Lorentz's Local Time and the Theorem of Corresponding States.*
Robert Rynasiewicz, Johns Hopkins University
- Is Our Universe a Mere Fluke? The Cosmological Argument and Spinning the Universes.*
J. van Brakel, University of Utrecht
- Minimal Disturbance in Quantum Logic.*
Sergio Martinez, DePauw University
- Simplicity and Observability: When are Particles Elementary?*
Kostas Gavroglu, Harvard University

History of Science

PSA Contributed Papers

- Chair and
Commentator-at-Large: Ronald Laymon, Ohio State University
- Papers: *Reconstruction of the Optical Revolution: Lakatos vs. Laudan.*
Xiang Chen, Zhongshan University, People's Republic of China
- Schlick's Critique of Positivism.*
Joia Lewis, Indiana University
- The Explanatory Coherence of Continental Drift.*
Paul Thagard and Gregory Nowak, Princeton University
- Was There a Crisis Before the Copernican Revolution? A Reappraisal of Gingerich's Criticisms of Kuhn.*
Robert Griffiths, Virginia Polytechnic Institute

Methodological Implications of the History of Modern Physics

PSA Symposium

- Chair: Wade Savage, University of Minnesota
- Speakers: Clark Glymour, Carnegie-Mellon University
Dudley Shapere, Wake Forest University
C.A. Hooker, University of Newcastle, Australia

The Semantic View of Theories in Biology

PSA Symposium

- Chair: Fred Suppe, University of Maryland–Baltimore
- Speakers: Barbara Horan, University of Maryland
Lisa Lloyd, University of California–Berkeley
Paul Thompson, University of Toronto

Friday, October 28, 2:00-5:30 p.m.

Foundations of Decision and Game Theory

PSA Symposium

- Chair: Richard Jeffrey, Princeton University
- Speakers: Brian Skyrms, University of California–Irvine
Cristina Bicchieri, University of Notre Dame
William Harper, University of Western Ontario
Philip Reny, University of Western Ontario

Saturday, October 29, 9:00-12:00 a.m.

Formal Sciences

PSA Contributed Papers

Chair and

Commentator-at-Large: Nuel Belnap, University of Pittsburgh

Papers:

On the Logic of Interrogative Inquiry.
Jaakko Hintikka and Stephen Harris, Florida State University

Non-formal Properties of Real Mathematical Proofs.
Jean Paul Van Bendegem, Vrije Universiteit Brussels

*Scientific Reasoning or Damage Control: Alternative
Proposals for Reasoning with Inconsistent Representations
of the World.*
Joel M. Smith, Indiana University

Understanding Regression.
James Woodward, California Institute of Technology

Biology

PSA Contributed Papers

Chair and

Commentator-at-Large: Paul Tang, California State University–Long Beach

Papers:

*Philosophy Versus Science: The Species Debate and the
Practice of Taxonomy.*
Alan Gross, Purdue University Calumet

Individuality and Macroevolutionary Theory.
Marc Ereshefsky, University of Wisconsin

Natural Selection, Hypercycles, and the Origin of Life.
Sahotra Sarkar, University of Chicago

Fitness and Explanation.
Gregory Cooper, University of Minnesota

Confirmation

PSA Symposium

Chair:

Robert Torretti, University of Puerto Rico

Speakers:

Donald Gillies, Kings College–London
Colin Howson, London School of Economics
Thomas Nickles, University of Nevada–Reno

Carcinogenic Risk Assessment

PSA Symposium

- Chair: Ronald Giere, University of Minnesota
- Speakers: Carl Cranor, University of California–Riverside
Deborah Mayo, Virginia Polytechnic Institute
Kristin Shrader-Frechette, South Florida University

Saturday, October 29, 10:00-12:00 a.m.

The Anthropic Principle

PSA Invited Lecture

- Chair: George Gale, University of Missouri
- Speaker: Frank Tipler, Tulane University
- Comment: Larry Sklar, University of Michigan

Saturday, October 29, 1:30-4:30 p.m.

Interpreting Scientific Inference

PSA Contributed Papers

- Chair and
Commentator-at-Large: Michael Friedman, University of Illinois–Chicago
- Papers: *Prediction, Accommodation, and the Logic of Discovery.*
Patrick Maher, University of Michigan
- Reduction and Realism.*
Margaret Morrison, Stanford University
- Arguing for the Natural Ontological Attitude.*
Joseph Rouse, Wesleyan University
- The Role of Skill in Experimentation: Reading Ludwik
Fleck's Study of the Wasserman Reaction as an Example
Ian Hacking's Experimental Realism.*
David Stump, California State University–Long Beach

Epistemology and the Dynamics of Science

PSA Contributed Papers

Chair and

Commentator-at-Large: Philip Quinn, University of Notre Dame

Papers:

On the Intertheoretic Competition Hypothesis.
A. David Kline, Iowa State University

Reasoning From Imagery and Analogy in Scientific Concept Formation.

Nancy Nersessian, Princeton University

Explaining the Success of Science.

Rose-Mary Sargent, University of New Mexico

One Epistemological Interfield Relation.

Joyce Kinoshita, College of the Holy Cross

Realism

PSA Symposium

Chair:

Ernan McMullin, University of Notre Dame

Speakers:

Roger Jones, University of Tennessee
William Newton-Smith, Balliol College Oxford
Nancy Cartwright, Stanford University

The Status of Laws in the Social Sciences

PSA Symposium

Chair:

Steve Fuller, Virginia Polytechnic Institute

Speakers:

Harold Kincaid, University of Alabama
Daniel Hausman, Carnegie-Mellon University
Niel DeMarci, Duke University

Saturday, October 29., 2:00-4:00 p.m.

Superstring Theory

PSA Invited Lecture

Chair:

Alan Franklin, University of Colorado

Speaker:

Robert Weingard, Rutgers University

Comment:

Cyrus Taylor, Rutgers University

Saturday, October 29, 5:00-6:00 p.m.

PSA President's Lecture

Introduction: John Earman, University of Pittsburgh
Speaker: Arthur Fine, Northwestern University

Sunday, October 30, 9:00-12:00 a.m.

Causation

PSA Contributed Papers

Chair and
Commentator-at-Large: John Dupre, Stanford University

Papers: *General Causation.*
John W. Carroll, New York University

Jarrett's Locality Condition and Causal Paradox.
Allen Stairs, University of Maryland

Impartiality and Causal Decision Theory.
Brad Armendt, Ohio State University

*Causal Explanation in Laboratory Ecology: The Case of
Competitive Indeterminacy.*
James R. Griesemer, University of California–Davis

Confirmation and Scientific Laws

PSA Contributed Papers

Chair and
Commentator-at-Large: Noretta Koertge, University of Indiana

Papers: *The Confirmation of Common Component Causes.*
Malcolm R. Forster, University of Wisconsin

Confirming Inexact Generalizations.
Ernest Adams, University of California–Berkeley

Regarding the Raven Paradox.
Robert Levy, Wittenberg University

Which Universal?
Philip Peterson, Syracuse University

Measurement in Relativistic Quantum Mechanics

PSA Symposium

- Chair: David Malament, University of Chicago
- Speakers: Gordon Flemming, Pennsylvania State University
David Albert, Columbia University
Jeffrey Bub, University of Maryland

Set Theory

PSA Symposium

- Chair: Charles Parsons, Columbia University
- Speakers: Geoffrey Hellman, University of Minnesota
William Tait, University of Chicago
John Burgess, Princeton University

Sunday, October 30, 10:00-12:00 p.m.

Experiment

PSA Invited Lecture

- Chair: Andrew Pickering, University of Illinois
- Speaker: Ian Hacking, University of Toronto
- Comment: Peter Galison, Stanford University