

Integrated HPS3, IU Bloomington, Sep 23-26, 2010
Conference Program

Thursday, Sept. 23.

Location: Indiana Memorial Union, Georgian Room

Session 1. Chair: Noretta Koertge

2:15-2:30

Nico Bertoloni Meli Welcome

2:30-3:15

Hasok Chang Pluralism as a New Framework for Integrated HPS

3:15-3:30

Coffee break

3:30-5:00

Samuel Schindler Philosophy meets history in the discovery of weak neutral currents

Ari Gross Pictures and Pedagogy: the role of diagrams in Feynman's early lectures, 1949-50

Thursday, Sept. 23.

Location: Fine Arts Building FA 015

Plenary lecture. Chair: Nico Bertoloni Meli

6:00-7:00

Michael Friedman A Post-Kuhnian Approach to the History and Philosophy of Science

7:00-9:00

Reception (also for the 50th anniversary of HPSC)

Friday, Sept 24.

Location: Goodbody Hall 107

8:00- 8:50

Breakfast for registered participants

Location: IMU Georgian Room

Session 2. Chair: Katherine Brading

9:00-10:30

Aaron Cobb Experiment in John Herschel's Philosophy of Science

Curtis Forbes Philosophy of Science and its Influence on Scientific Practice: empiricism and realism in 19th century electrodynamics

10:30-11:00

Coffee break

11:00-12:30

Lydia Patton Hilbert's Method of Analogy: Signs and Axiomatics in Physics and Mathematics

Michael Stoeltzner "Schwankungen" in Electroscopes and Microscopes. Vienna Indeterminism and its Evidences

12:30-2:00

Lunch break

Session 3. Chair: Ed Grant

2:00-3:30

Roger Ariew Theory of Comets, 1618-1627

Bryan Roberts & John Norton Galileo's Refutation of the Speed-Distance Law of Fall Rehabilitated

3:30-4:00

Coffee break

4:00-5:30

Mary Domski Newton's Empiricism in Cartesian Context: Revisiting the Argument for Space in De Gravitatione

Andrew Janiak Newton between history and philosophy: the case of space

Saturday, Sept 25.

Location: Goodbody Hall 107

8:00- 8:50

Breakfast for registered participants

Location: Fine Arts Building FA 102

Session 4. Chair: Bill Newman

9:00-10:30

Gary Hatfield On the Reception of Descartes' Machine Psychology

Justin Smith Leibniz's Anti-Vitalism

10:30-11:00

Coffee break

Session 5. Chair: Amit Hagar

11:00-12:30

Kent Staley Dirac's "fine-tuning problem": A constructive use of anachronism?

Thomas Pasby Realism, Structuralism and Instrumentalism in Dirac's Prediction of the Positron

12:30-2:45

Lunch (&HPS committee meeting)

2:45-3:15 **In Memoriam**

Lisa Lloyd Memorial Address

Jane Maienschein Memorial Address

Bill Newman Memorial Address

Session 6 Chair Sandy Gliboff

3:15-6:00 (with 30 minutes coffee break)

Jane Maienschein Understanding Embryos: Changing Assumptions

Manfred Laubichler Developmental Evolution as a Mechanistic Science: Conceptual and Philosophical Reflections on an Alternative and Complementary Narrative of the History of Evolutionary Biology

Michael Dietrich Richard Goldschmidt's Revival: Evo-Devo, Then and Now

7:00-9:00 **Location: Indiana Memorial Union, Federal Room**

Banquet

Sunday, Sept 26.

Location: Goodbody Hall 107

8:00- 8:50

Breakfast for registered participants

Location: Fine Arts Building FA 102

Session 7. Chair: Grant Ramsay

9:00-10:30

Tudor Baetu The referential convergence of gene concepts based on classical and molecular analyses

Melinda Fagan Philosophy of stem cell biology: an integrated approach

10:30-10:45

Coffee break

10:45-11:30

William Goodwin Resolving a Controversy: The Non-Classical Ion Debate