

Continuity, Improvement, & Innovation in Experimental Methodology
IU Bloomington, October 30-31
Social Science Research Commons, Woodburn Hall 200

Program

Day I

10:15 Welcome

Session 1 (Chair: Kärin Nickelsen)

10:30-11:30

Hanne Andersen (Copenhagen)
The Changing Roles of Method

11:30-12:30

Sarah Reynolds (Indianapolis)
Learning to Think, Motivated to Do: Method in the Origins of Laboratory Coursework

Lunch break

Session 2 (Chair: Jordi Cat)

2:00-3:00

Becca Jackson (Bloomington)
On the Virtues of Inconsistent Metrics: Why Evaluations of Reliability (Not Just Validity) Need a Gold Standard

3:00-4:00

Andrea Woody (Seattle)
Unification as Methodology: Optimization Problems through the Lens of Control Theory

Break

Session 3 (Chair: Jutta Schickore)

4:30-5:30

Uljana Feest (Hannover)
Operational Analysis and the Investigative Process in Twentieth-Century Experimental Psychology

5:30-6:30

Jackie Sullivan (London, ON)
Assessing the Dynamics of Novel Tool Development: The Rodent Operant Touchscreen Chamber as a Case Study

Day 2

Session 4 (Chair: Sandy Gliboff)

9:00-10:00

Evan Ragland (South Bend)

How Should We Think Historically about the Rise of Early Modern Experimentation?

10:00-11:00

Jared Neumann (Bloomington)

The Interconnected Progress of Language, Mind, and Science

Break

11:30-12:30

Dana Tulodziecki (Lafayette)

Evaluating Past Methodologies

Lunch break

Session 5 (Chair: Hanne Andersen)

2:00-3:00

Raphael Scholl (Cambridge / Munich)

Unwarranted Assumptions: Claude Bernard and the Growth of the *vera causa* Standard

3:00-4:00

Evan Arnet (Bloomington)

Methodological Dictums in the History of Science: Lloyd Morgan's Canon

Break

4:30-5:30

Kärin Nickelsen (Munich)

Methodological Innovation and Scientific Change: How Manometry Reconfigured Twentieth-Century Photosynthesis Research