

# Control in Historical and Systematic Perspectives

March 2<sup>nd</sup> – March 5<sup>th</sup>

<https://rigor.hpsc.indiana.edu/>

Last updated February 22<sup>nd</sup>, 2022

PLEASE NOTE: Earlier versions may have incorrectly listed times as UTC-04,  
correct is UTC-05

# Wednesday, March 2<sup>nd</sup>

All times in Eastern Time (UTC-05)

8:30–9:00 Welcome and Opening Announcements

**9:00–9:40 Jennifer Rampling**

*Signs and Tokens: Alchemical Imagery and Experimental Evidence in Fifteenth-Century England*

**9:40–10:20 Catherine Jackson**

*Where's the Rigor in Nineteenth-Century Chemical Theory?*

10:20–11:00 Break

**11:00–11:40 Tawrin Baker**

*Making Anatomy Rigorous and Controlling Visual Experiences: Christoph Scheiner's Oculus, hoc est, fundamentum opticum (1619)*

**11:40–12:20 Christoph Hoffman**

*Are Fish Color Blind? Karl von Hess, Karl von Frisch, and the Proper Way to Study Color Vision in Animals*

# Thursday, March 3<sup>rd</sup>

All times in Eastern Time (UTC-05)

**8:30–9:10 Cesare Pastorino**

*Francis Bacon's Controlled Experiments on Seed Steeping and Germination: Their Context, Circulation, and Methodological Significance*

**9:10–9:50 Caterina Schürch**

*One Myrtle Proves Nothing: Rigorously Comparative Experiments and the Attempt to Improve Vegetation (1746–1856)*

9:50–10:30 Break

**10:30–11:10 Theodore Arabatzis & Vasiliki Christopoulou**

*From the Determination of the Ohm to the Discovery of Argon: Lord Rayleigh's Strategies of Experimental Control*

**11:10–11:50 Dan Liu**

*Learning Light Controls: Theory, Application, and Correction and the Zeiss Vacation Courses for Scientific Microscopy, 1907-1924*

11:50–1:00 Break

**1:00–1:40 Evan Arnet**

*Controlling Away the Phenomenon: Maze Research and the Nature of Learning*

# Friday, March 4<sup>th</sup>

All times in Eastern Time (UTC-05)

9:00–9:10 Brief Introduction

**9:10–9:50 Friedrich Steinle**

*Controlling Induction: Practices and Reflections in 19<sup>th</sup> Century Experimental Research*

**9:50–10:30 Klodian Coko**

*Inductive and Deductive Reasoning in Discovering the Cause of Brownian Movement*

10:30–11:00 Break

**11:00–11:40 Claudia Cristalli**

*A “Careful Examination of all Kinds of Phenomena”: Rigor in Psychical Research at the End of the Nineteenth Century*

**11:40–12:20 Julia Kursell**

*Experimentation with Control Groups in Carl Stumpf’s Study of Auditory Judgment*

# Saturday, March 5<sup>th</sup>

All times in Eastern Time (UTC-05)

**8:30–9:10 Hjalmar Fors**

*The New Chemical Understanding of Medicinal Plants in the late Eighteenth Century and the Problem of Physiological Effect*

**9:10–9:50 Christopher Halm**

*Striving for Experimental Control in the Agrarian «Field-Lab».: The History of Agricultural Chemistry Around 1800*

9:50–10:20 Break

**10:20–11:00 Kärin Nickelsen**

*Explaining Forms and Functions: Methodological Predicaments in Late Nineteenth-Century Botany*

11:00–12:00 Concluding Remarks