

Wednesday April 6

7:00pm-9:00pm: Registration/Social hour

Baroak Cookhouse & Taproom at the Loews Hotel

Note: All sessions will be held in the Point Lookout Room at the Loews Hotel

Thursday April 7

9:00am-10:50am: Session One: Astronomy and Observational Science

- 9:00-9:30 "Instruments of Authority: Illustrations of Technology in Early Modern Astronomy," Emma Perkins (University of Cambridge)
- 9:30-10:00 "Trust in Glass: The History of the Negotiations about the Object Glass of the Airy Transit Circle," Daniel Belteki (University of Kent)
- 10:00-10:30 "Kew Observatory and the Origins of the National Physical Laboratory," Lee T. Macdonald (University of Leeds)
- 10:30-10:50 Comments: Marc Rothenberg (National Science Foundation)

10:50am-11:15am: Break

11:15am-12:30pm: Session Two: Newtonianism in the Early Modern Period

- 11:15-11:45 "The Resistance to Newtonian Optics in the Eighteenth Century: What did the Opponents Say?" Breno Arsioli Moura (Federal University of ABC)
- 11:45-12:15 "Fluxions and *Calculus Differentialis*: Newton, Leibniz, & the Italian Physical Sciences," Daniele Macuglia (University of Chicago)
- 12:15-12:30 Comments: Greg Good (American Institute of Physics)

12:30pm-1:45pm: Lunch

1:35pm-1:55pm: H-PhysicalSciences Presentation

2:00pm-3:50pm: Session Three: Geology, Geophysics, and Mineralogy

- 2:00-2:30 "The Circulation of Knowledge in Mining Education between Germany and the United States (1850-1900)," Nele-Hendrikje Lehmann (Technical University Freiberg)
- 2:30-3:00 "Reductionism and Reform in Nineteenth Century Classificatory Mineralogy," Aleta Quinn (Smithsonian Institution)
- 3:00-3:30 "Extreme Environments and the Shaping of Scientific Knowledge: The Royal Society Expedition to Halley Bay," Daniella McCahey (University of California, Irvine)
- 3:30-3:50 Comments: Andrew Butrica (Independent Scholar)

3:50pm-4:15pm: Break

4:15pm-5:30pm: Session Four: The Scientific and Public Identity of Radium

- 4:15-4:45 "Invisible Rays, Invisible Patients: The Promise and Danger of Radium during the American Radium Craze," Aimee Slaughter (Los Alamos Historical Society and Museum)

- 4:45-5:15 “Changing Ideas about Determining if a Substance is a New Element,” Ann E. Robinson (University of Massachusetts, Amherst)
- 5:15-5:30 Comments: Audra Wolfe (Independent Scholar)

Friday April 8

9:00am-10:50am: Session Five: Sociological Studies of Quantum and Nuclear Physics

- 9:00-9:30 “The Bourdieusian Lens to Read the Glauber-Wolf Controversy,” Indianara Silva (Universidade Estadual de Feira de Santana)
- 9:30-10:00 “A Comparative Social Morphology of Scientific Judgement in Theoretical Physics,” Thomas Krendl Gilbert (University of California, Berkeley)
- 10:00-10:30 “Lise Meitner and the Nuclear Fission: Gender, Trajectory, and the Noble Prize,” Isabelle Priscila Carneiro de Lima (Federal University of Bahia)
- 10:30-10:50 Comments: Alexei Kojevnikov (University of British Columbia)

10:50am-11:15am: Break

11:15am-12:30pm: Session Six: Physical Science and Armament in Europe Post-WWII

- 11:15-11:45 “Pascual Jordan, the Göttingen Eighteen, and the 1957 West German Elections,” Ryan Dahn (University of Chicago)
- 11:45-12:15 “From the Grievousness of War: A Brief Exploration of the International Causations and Individual Relationships Affecting the Lives and Work of C.S. Harden and D.A. Blyth in the Development of Automatic Detectors for Chemical Warfare Agents,” Abigail E. Eiceman (University of Leicester)
- 12:15-12:30 Comments: Allan Needell (Smithsonian Institution)

12:30pm-2:00pm: Lunch

2:00pm-3:50pm: Session Seven: Politics and Public Science during the Cold War

- 2:00-2:30 “Public Discoveries and Secret Science: The Discovery of the Van Allen Radiation Belts and Atmospheric Nuclear Testing,” Stephen Neal (University of Wisconsin, Madison)
- 2:30-3:00 “A Nobel for Detente? Lasers and Science Diplomacy in the Cold War,” Climério Paulo da Silva Neto (Federal University of Western Bahia)
- 3:00-3:30 “Fictions and Fallout: Cold War Science, Technology, and Policy through Popular Culture,” DJ Kinney (Florida State University)
- 3:30-3:50 Comments: Angelina Callahan (U.S. Naval Research Laboratory)

3:50pm-4:15pm: Break

4:15pm-5:30pm: Oral History Workshop

6:00pm-7:30pm: Plenary Lecture given by Kathryn Olesko (Georgetown University)

7:45pm-9:00pm: Banquet Dinner

Ram’s Head Tavern

Saturday April 9

9:00am-10:50am: Session Eight: Disciplinarily and Professionalization in the 19th and 20th Centuries

- 9:00-9:30 “Absolute Measurement and the Rise of the Physics Discipline in Britain 1863–1881,” Daniel Jon Mitchell (University of Cambridge)
- 9:30-10:00 “Visible Colleges: Physical Sciences in France from 1944 to 1968 through the Parisian Doctoral Committees,” Pierre Verschueren (Université Paris 1 Panthéon-Sorbonne)
- 10:00-10:30 “Education, Professionalization, and the Creation of the ‘Cookbook’ Laboratory,” Joanna Behrman (Johns Hopkins University)
- 10:30-10:50 Comments: William Thomas (History Associates)

10:50am-11:15am: Break

11:15am-12:30pm: Session Nine: Quantum Mechanics and the Philosophy of Nature

- 11:15-11:45 “The Americanization of the S-Matrix Program from Werner Heisenberg to Geoffrey Chew: The Rise and Fall of the Bootstrap Worldview (1960's-1970's),” Gustavo Rodrigues Rocha (Universidade Estadual de Feira de Santana)
- 11:45-12:15 “The Quest for the Unholy Grail: How the debate about the concept of life challenged the concept of second law of thermodynamic,” Frederik Moreira dos Santos (Universidade Federal da Bahia/Universidade Estadual de Feira de Santana)
- 12:15-12:30 Comments: Joseph Martin (Michigan State University)

12:30pm-2:00pm: Lunch

2:00pm-3:50pm: Session Ten: Physics and the Global Periphery

- 2:00-2:30 “Late Bloomers: Postcolonial History of Fundamental Research in Modern Physics in Malaysia and Singapore,” Clarissa Ai Ling Lee (National University of Malaysia)
- 2:30-3:00 “Scientific Practice from Peripheral Countries: The Brazil-Japan Collaboration to Study Particle Physics via Cosmic Rays,” Heráclio Tavares (Técnicas e Epistemologia of Universidade Federal do Rio de Janeiro)
- 3:00-3:30 “African Brazilians in the Physical Sciences: Unveiling our History,” Katemari Rosa (Federal University of Campina Grande)
- 3:30-3:50 Comments: Ron Doel (Florida State University)

3:50pm-4:15pm: Break

4:15pm-5:30pm: Career Panel

- Audra Wolfe (Independent Scholar)
- Kathryn Olesko (Georgetown University)
- Wayne Davis (Georgetown University)
- William Thomas (History Associates)

