
SATURDAY NOVEMBER 21

9:00 AM – 11:45 AM

Note: Coffee break 10:00 – 10:15 AM

Session Sa1: Before the Law: Points of Origin in Encounters Between Law & Science

Chair and Commentator: Mario Biagioli (University of California, Davis)

Organizer: Mary Mitchell (University of Pennsylvania)

- “Knowing the Body in Law and Science,” Kara Swanson (Northeastern University)
- “Making Cap and Trade in California,” Karen Hoffman (University of Puerto Rico)
- “The Math in the Machine: Spectrometry at Mobil Oil and the History of Software Patenting, 1961-1972,” Gerardo Con Diaz (Yale University)
- “Whose Bodies Count?: Performing the Legality of Nuclear Testing at the Argonne National Laboratory,” Mary Mitchell (University of Pennsylvania)

Session Sa2: From the Example of the Exploratorium towards a History of Interactivity

Chair and Commentator: Karen Rader (Virginia Commonwealth University)

Organizer: Arne Schirmacher (Humboldt-Universität zu Berlin)

- “The Origins of the Exploratorium and the Development of its Interactive Exhibits Paradigm,” Rob Semper (The Exploratorium, San Francisco)
- “Objects in Transit: On the Mobility of Interactives between Science Museums and Science Centers in Europe and Northern America,” Arne Schirmacher (Humboldt-Universität zu Berlin)
- “Interactivity and Science Fairs in Contemporary America,” Sarah Scripps (University of Wisconsin – Stevens Point)
- “The Next Level of Play: Scientific Research and the Gamification of Techne,” Jean-François Gauvin (Collection of Historical Scientific Instruments, Harvard University)

Session Sa3: Historical and Theoretical Approaches to Comparison in the History of Ancient Science

Chair and Commentator: Mark Csikszentmihályi (University of California Berkeley)

Organizer: Karine Chemla (ERC Project SAW & SPHERE UMR7219; CNRS & University of Paris – Diderot)

- “Translating Chinese Concepts into European Models,” Michael Nylan (University of California, Berkeley)

- “Comparative Views of Human Taxonomies,” Lisa Raphals (University of California, Riverside)
- “Comparisons in early historiographies of mathematics in ancient China,” Karine Chemla (ERC Project SAW & SPHERE UMR7219; CNRS & U Paris “Diderot”)
- “History of mathematics between universalism and historicism: A historiographical approach to the crisis of the humanistic sciences in the twentieth century,” Ivahn Smadja (ERC Project SAW & SPHERE UMR7219; University of Paris – Diderot)

Session Sa4: New Perspectives on the Ether in Early Twentieth-Century Physics and Art

Chair: Massimiliano Badino (Massachusetts Institute of Technology)

Organizer: Scott Walter (University of Lorraine)

- “The many faces of the ether in early twentieth-century physics,” Jaume Navarro (University of the Basque Country)
- “Italian Futurism and the Ether: Umberto Boccioni’s Elasticity and Unique Forms of Continuity in Space,” Linda Dalrymple Henderson (University of Texas at Austin)
- “Lorentz’s ether, Poincaré’s amorphous continuum, and Einstein’s rejected-redefined ‘ether’-spacetime: Einstein’s revolutionary physical universe in a revolutionizing mathematical world,” Connemara Doran (Harvard University)
- “Poincaré on clocks and radio waves in the ether,” Scott Walter (University of Lorraine)
- “Mach’s ether, Einstein’s ether, and the debate between relativists and their critics,” Richard Staley (Cambridge University)

Session Sa5: Panaceas, Preparations, Poison, and Proof: Universal Remedies in Early Modern Europe

Chair: Margaret Garber (California State University, Fullerton)

Organizer: Joel Klein (Columbia University)

- “The Universals and Particulars of Poison in the Sixteenth Century,” Fred Gibbs (University of New Mexico)
- “Poison Antidotes, Panaceas, and Proof in Sixteenth-Century Europe,” Alisha Rankin (Tufts University)
- “The Subtleties of Enterprise: Curiosities, Preparations, and Performances in the Printed Luxuries of Leonhard Thurneysser,” Bruce Moran (University of Nevada, Reno)
- “Rivers Run Potable Gold: Skepticism, Credulity, and the Legacy of Experimental Failure,” Joel Klein (Columbia University)
- “Robert Boyle’s Medical Recipes: Efficacy, Trials, and Experimentation,” Michelle DiMeo (Chemical Heritage Foundation)

Session Sa6: The Quest for Universality: National and transnational perspectives on nineteenth-century cell and reproduction research

Chair and Commentator: Ohad Parnes (Max Planck Institute for History of Science)