History of Science Society

Annual Meeting

3-6 November 2016
Atlanta, Georgia

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NOTE: Any hyperlinks included in this online program should be functional. Please alert the HSS Executive Office at info@hssonline.org if any are not working. If you are a presenter and would like to create a hyperlink from your name in the program, please let us know as soon as possible. We can also add multiple links to your speaker page on the meeting app.
Welcome to Atlanta (The Big Peach) and the 2016 HSS conference! Those who travel by air have probably spent some time in the U.S.'s busiest airport but you could not really claim that you have visited Atlanta. Similarly, those of you who attended the last HSS meeting in Atlanta 20 years ago (yes, in 1996), held in the northern environs of Ravinia, have also not experienced the city. This year’s conference is in the heart of Atlanta, and attendees will be able to experience in full the largest city in the U.S. region called “The South.” With over 5 million people in the metro area, Atlanta’s diversity rivals that of all major U.S. cities. Its LGBTQ population is among the country’s highest in number and the city boasts several Historically Black Colleges and Universities, making it one of the intellectual centers of the U.S.’s African American population. And since we are promoting diversity in the Society, the Big Peach is a good place to pursue that goal.

Our program co-chairs, Brian Ogilvie and Sigrid Schmalzer (University of Massachusetts Amherst) assembled the 2016 program, organizing more than 100 sessions and roundtables. They faced many challenges as they tried to avoid scheduling similar sessions opposite each other (an impossible task when dealing with a limited number of session slots over 4 days), accommodated requests that ranged from preference of day to choice of speaker, and worked to provide a balance that would satisfy hundreds of historians of science whose interests range from antiquity to yesterday. They have the thanks of the HSS. I am also grateful to Karen-Beth Scholthof (Texas A&M University) and Roger Turner (Chemical Heritage Foundation) for, again, judging the poster submissions. We continue to try and cultivate posters in our meeting and hope that displaying them during the Friday night reception, which worked so well last year, will give them full exposure.

Our Local Arrangements chair, John Krige (Georgia Tech), met with me on many occasions as we mapped out the possibilities that are Atlanta. John had been asking for HSS to return to Atlanta since the time that he served as program chair in 2005. And although he wished that we could have met in mid-town Atlanta (which wasn’t possible due to our meeting’s size) I am confident that attendees will leave Atlanta with a much better sense of why this city is one of the country’s most dynamic.

The annual meeting functions because of the efforts of the HSS office staff. Greg Macklem, Society Coordinator, shouldered the bulk of assembling the 1000s of pieces that go into the conference. The months of September, October and November are filled with weeks of constant demands, and little sleep, and he handles these with grace, good humor, and humility – it’s a combination that is not easy to maintain, and we are fortunate to have him with us. Jessica Baron, our Director of Media and Engagement not only fostered relationships with science writers, wrote press releases, and Tweeted and “Facebooked” (the world is being “verbified”) multiple aspects of the conference, giving us a presence in the digital universe that is valuable beyond measure, she also spent many hours working on the Isis companion piece, a part of the Society’s strategic plan that we hope will bring history of science to the world, a critical part of our mission statement. Our Notre Dame students who are on site, Michelle Marvin, Jamee Elder, and Natalie Boone (one of our undergraduates who has made a big difference in the HSS Office), have worked carefully and cheerfully on the program and Kayla Carpentier, another one of our trusty undergrads at ND, helped with details ranging from prizes to registration to photos. We are doubly fortunate that Heather Macklem, MD, once again threw reason and caution to the wind, and decided that driving to Atlanta and helping out with the meeting was a good way to spend a week of her life. And I am also grateful to Greg’s parents, Larry and Judy Macklem, who, by volunteering to watch their grandchildren, enabled Heather and Greg to walk this somewhat bumpy road together. Indeed, I am grateful to all the partners (including my own, the lovely Becky Malone), parents, siblings, significant others, and general others who shoulder an extra load so that we can all meet together.

Meeting in a large city, although agreeable in its variety, offers financial challenges. And although a gallon of coffee in Atlanta will cost us a mere $105 gallon (i.e. $7/cup) compared to the $150 plus price we saw in San
Francisco, we rely heavily on sponsors and supporters to help us control expenses. I would like to recognize two in particular: the University of Notre Dame for its hosting of the Executive Office and the National Science Foundation for its support of travel grants for graduate students, independent scholars, and recent PhDs (SES-1354351). There are many others who helped us, and a full list of supporters can be found on the back cover of the program. I appreciate, beyond words, their contributions.

The HSS Executive Committee, as is their wont, provided understanding, encouragement, and wisdom on all aspects of the meeting—they too, have my profound thanks. I would especially like to thank Adam Apt (our Treasurer) and Marsha Richmond (our Secretary) who will be stepping down at the end of this year. For almost 10 years, Marsha and Adam have attended biannual Executive Committee meetings, answered thousands of emails, handled the finances and minutes of the Society, and were good friends to boot. I will miss them terribly. The sadness at their leaving is leavened by their wonderful replacements: Luis Campos (Secretary) and Gwen Kay (Treasurer) who rolled up their sleeves and began attending to Society business some 9 months before their terms actually begin. The HSS is fortunate beyond measure to have members like Adam, Marsha, Gwen, and Luis.

Finally, I must thank you, the attendees, who make this all worthwhile. Your presence, your contributions, and your involvement create a mix that cannot be replicated. And if you are not a member of the HSS, please join us -- it is our members who make all of this possible.

Jay Malone
HSS Executive Director
5 October 2016

History of Science Society Mission Statement: To foster interest in the history of science, promote discussion of science’s social and cultural relations, and bring this understanding to others worldwide.
I wish to thank our volunteers whose terms will end in 2016. Their time and effort are the reason that the HSS is able to recognize superlative scholarship, to hold an annual meeting, to publish the highest-quality works, to maintain a web presence, to nurture research, and to promote interest in the history of science. I offer my deep-felt thanks to each one.

- Jay Malone, HSS Executive Director

**DINING IN ATLANTA**

This guide was prepared by Richard Harker for the 2016 Meeting of the American Historical Association. Richard works at the Museum of History and Holocaust Education at Kennesaw State University and in his spare time is a doctoral student in history at Georgia State University. This guide appeared as a resource for the 2016 AHA Meeting.

Beyond the commercial confines of Atlanta’s downtown stretches an exciting and inexpensive food and drink scene. Not just old favorites (from burgers at The Vortex to Mary Mac’s Tea Room, The Colonnade, Gladys Knight’s Chicken and Waffles, and the Varsity), but myriad restaurants neglected by The Lonely Planet. Atlanta may not have the most intuitive public transport, but navigating MARTA and the streetcar, or jumping in a car/cab/Uber, will be effort amply rewarded.

A few Downtown options to start: Ebrik Coffee Room (16 Park Pl. SE) is a Georgia State student favorite. The food court at Peachtree Center (231 Peachtree St. NE) offers reliable standbys, while more adventurous eaters will find gastro-nirvana at the Mediterranean Aviva by Kameel or Hsu’s Gourmet Chinese Restaurant (famed for its lunchtime bento boxes). Beneath Peachtree Plaza, the CNN Center has daytime fast food, the world’s longest freestanding escalator, and excellent people watching. The Sun Dial Restaurant, revolving atop the Westin Hotel, has a fun bar and 360-degree city views. Just be prepared to spend a little money if you decide to do more than get a drink.

Within walking distance (or a streetcar ride east) of Downtown rests the historic neighborhood Sweet Auburn, whose Curb Market (209 Edgewood Ave. SE) houses an eclectic array of food stalls: British-style pies, BBQ, burgers, burritos, and great baked goods.

Further along the streetcar route on Edgewood Avenue, Noni’s (357 Edgewood Ave.) serves panini and pasta by day, drinking and dancing by night. A little further on is Sister Louisa’s Church of the Living Room and Ping Pong Emporium (where sins are committed, not atoned; 456 Edgewood Ave. SE). Explore nearby MLK National Historic Park before walking down Edgewood Avenue to find a few of Atlanta’s hidden treasures: Ammazza’s pizza, relaxed vibe, and vegetarian/vegan options (591 Edgewood Ave. SE); Miso Izakaya’s Asian small plates (619 Edgewood Ave. SE); and Thumbs Up Diner’s tried and tested breakfasts (be prepared to wait on weekends; 826 Marietta St.).

Next to the Beltline is the newly opened Krog Street Market—Atlanta’s answer to Seattle’s Pike Place or Philadelphia’s Reading Terminal—with a range of price points under one roof, from fancy cocktails, to falafel at Yalla, cheesesteak at Fred’s Meat & Bread, or Jeni’s Splendid Ice Cream. Need to wind down after the day’s sessions? KSM’s Hop City has 60 beers on tap to help. (99 Krog St. NE)

North on the Beltline, between KSM and the Jimmy Carter Presidential Library, is Inman Park. For comfortable pub fare and weekly trivia, venture off North
Dining in Atlanta

Highland Ave to The Albert (918 Austin Ave. NE). Across from the library, Victory Sandwich Bar (913 Bernina Ave NE) serves trendy small sandwiches and Jack and Coke slushies. Parish Neighborhood Café (240 North Highland Ave. NE) and Folk Art Restaurant (465 North Highland Ave. NE) both serve breakfast/buffet/lunch just a short walk down North Highland. Further down the Beltline is Ponce City Market (675 Ponce de Leon Ave. NE), whose food court is housed in the historic Sears Roebuck Building.

Jump on MARTA from Downtown and head east to historic Oakland Cemetery (King Memorial stop). Consider its Daddy D’z BBQ Joynt (264 Memorial Dr. SE) for satisfying no-fuss barbecue; Augustine’s (327 Memorial Dr. SE) and Octane (437 Memorial Dr. SE) for drinks; Tin Lizzy’s (415 Memorial Dr. SE) for Tex-Mex or Six Feet Under (437 Memorial Dr. SE) for seafood. The neighborhood’s pièce-de-résistance remains Ria’s Bluebird (421 Memorial Dr. SE), an eclectic space with banana pancakes and life-changing breakfast brisket.

Or take MARTA east to Decatur, a pricier neighborhood and technically outside Atlanta, with a lot of appeal nonetheless. Enter the Brick Store Pub (125 E. Court Square) and you’ll think you’ve stepped into Middle Earth. Exposed brick, wooden tables, and old-fashioned oak barrels—along with pub fare and an expansive drinks menu—mean huge wait times on nights and weekends. If you’re into “farm-to-table,” build your own burger (veggie options included) down the street at Farm Burger (410 W. Ponce de Leon Ave.). Next door, Chai Pani (406 W. Ponce de Leon Ave.) cooks up flavorful Indian small plates. Find fancier fare at Colbeh Persian Kitchen & Bar (123 E. Court Square) and Leon’s Full Service (131 E. Ponce de Leon Ave.), or get down with inexpensive Tex-Mex at Raging Burrito (141 Sycamore St.).

Head north up Peachtree Street from Downtown (but pay close attention to your map: Atlanta has over 50 roads named Peachtree) and you’ll soon arrive in Midtown, the playground of trendy upstarts, stuffy office buildings and elevated prices. TAP: A Gastropub (1180 Peachtree St. NE)—on a corner near the High Museum and Piedmont Park—has a lively happy hour. A short walk east down 10th Street will introduce you to the Flying Biscuit (1001 Piedmont Ave. NE), a staple of the Atlanta breakfast scene for its trademark biscuits and chicken sausage (locations are scattered across the city).

Anywhere further may require a car, but don’t let that deter you. Make your way into the Westside neighborhood for Antico Pizza (brick oven pies; 1093 Hemphill Ave. NW) or next door to Gio’s Chicken Amalfitano (roast chicken from Italy’s Amalfi Coast; 1099 Hemphill Ave. NW). Yeah! Burger (1168 Howell Mill Rd. NW) offers organically produced fare for meat eaters and vegetarians. Don’t be surprised by the lines for Taqueria del Sol (1200 Howell Mill Rd. NW), another local chain known for tacos and queso. For lighter midday eats, a bounty of colors adorn the salads, sandwiches, soups, and juices at Souper Jenny (1082 Huff Rd). At Delia’s Chicken Sausage Stand (881 Marietta St. NW), near Georgia Tech, locally sourced chicken sausage is served up with an array of toppings.

A trip north on Buford Highway will uncover a food-lover’s paradise, from Korean to Mexican to Bangladeshi and more. Nam Phuong (4051 Buford Hwy, NE) serves fresh, traditional Vietnamese food and Taqueria el Rey Del Taco (Pineytree Shopping Center, 5288 Buford Hwy. NE) elevates its offerings with handmade corn tortillas. Just across the parking lot is So Kong Dong Tofu House (5280 Buford Hwy, NE), with bowls of spicy soup and banchan (Korean side dishes). Chef Liu (5283 Buford Hwy. NE) is known for pork soup dumplings. Further up Buford Highway, Woo Nam Jeong Stone Bowl House (5953 Buford Hwy. NE) is tucked away in a strip mall. Don’t be put off: the bibimbap is delicious.

Close by Emory University, General Muir (1540 Avenue Pl. B-230) reinvents Jewish deli for the New South while the fried chicken benedict at Home Grown GA, in Reynoldstown (968 Memorial Dr. SE), earned presidential attention (Bill Clinton’s diet notwithstanding). Inexpensive treasures can be found in the Virginia Highlands and Morningside.

Local food guides can help you eat your way around the ATL. Thrillist has produced a Burger Transit Map and one for watering holes (BAR-TA), and the Southern American Studies Association recently produced this comprehensive eating guide (http://southernamericanstudiesassociation.org/2015-conference/atl-dining-guide/). Bon appetit, y’all!

TIPS ON TIPPING

Although we complain about 23% service charges on hotel food and beverages for our conferences, it is important to remember that this amount represents additional pay for the hotel servers, many of whom make minimum wage. The following advice is adapted from Trip Advisor for tipping in the United States.

EATING OUT

When eating in a restaurant in the U.S., it is good to remember that, in general, many of the staff are paid below federal minimum wage, but the amount may vary state by state. Tips are how these workers supplement their income.

A good rule of thumb when calculating a table service restaurant tip is to ignore sales tax, and, for good service, calculate 15% of the entire food, beverage, and wine bill. (This is the amount listed before the sales tax line.)

Add 18-20% if the service was outstanding, especially prompt or friendly, or the server fulfilled many special requests. Note: in most larger restaurants in the USA, the server has to pay back a portion of their tips to the bartender, busser, hostess, and food runners. At higher end restaurants, there may also be a sommelier or wine steward. You should tip the sommelier separately, at your discretion. However, in some restaurants, the server tips the sommelier based on their individual wine sales, so it is advisable to ask your server first. Individual drinks you are served at a restaurant bar should always earn a $1-2 tip each.
Tips on Tipping

For bad or unacceptable service it is customary to tip as low as 10%. If service is bad enough to deserve only 10%, it is a good idea to let the manager know. Also, placing 2 pennies side by side on top of bills neatly placed on the table lets the server know that it is intentionally low because of bad service. If the server in some way offended you so that you do not wish to leave any tip at all, still leave the 2 pennies, so that they understand that you did not just forget to tip.

Counter service/fast food restaurants often have tip jars out, but you are not required to tip. If the service is exemplary or unusual requests are made, then tips are appropriate.

Bartenders: $1-$2 per drink, or 15-20% of the total bill.

Other optional tipping situations common to travelers include:

- Hotel housekeeping/maid service: $2-3 per night up to $5, more in high-end hotels. Also more if there are more than 3 people in a room or suite.
- Bellman/Porter: $1-2 per bag. More if the bags are very heavy.
- Taxi Driver: 10-15% of fare, based on service.
- Hotel limo driver: For a free ride from the airport, $10 - $20
- Drink Server in a casino or bar: $1-$2 per drink. Some tip $5 for the first drink to make sure the waitress “remembers” them and returns often...
- In-suite dining waiter: Always read the bill: if there is a tip included, it will be on the bill breakdown. Ask the server. The policy of having the gratuity included in the bill is not the norm anymore. A service charge or convenience fee goes to the hotel, not the server. If there is no gratuity added, tip the server 15% - 20%.
- Valet Parking Attendants: $2 - $5 (when picking up car).
- Concierge: Tipping is never expected, but always appreciated. The more difficult the request, the higher the tip. $5.00 and up per request is good.
- Hotel limo driver: For a free ride from the airport, $10 - $20
- Drink Server in a casino or bar: $1-$2 per drink. Some tip $5 for the first drink to make sure the waitress “remembers” them and returns often...

RESPECTFUL BEHAVIOR POLICY

The HSS is dedicated to providing a safe, hospitable, and productive environment for everyone, regardless of ethnicity, religion, disability, physical appearance, national origin, sex, sexual orientation, gender identity, or employment status. Accordingly, the Society deplores all harassment and is sensitive to the harm suffered by persons who experience it. We expect those participating in HSS meetings and events to treat others with respect, and not to engage in behavior that is intimidating, threatening, or harassing. This expectation applies to our speakers, staff, volunteers, and attendees.

Nondiscrimination and Anti-Harassment Standards
HSS prohibits harassment on any grounds, including sex, sexual orientation, gender identity, race, color, religion, national origin, age, marital status, disability, or employment status. Harassment may include such actions as: (1) jokes or verbal “kidding,” or “teasing;” (2) verbal abuse and epithets; (3) degrading comments; (4) the display of offensive objects and pictures; (5) conduct or comments of a lewd or lascivious nature; and (6) other conduct that the individual (or group of individuals) might reasonably find to be intimidating, hostile, offensive, coercive, or threatening. Sexual harassment is not limited to demands for sexual favors. It also may include such actions as: (1) sex-oriented verbal “kidding,” “teasing,” or jokes; (2) repeated offensive sexual flirtations, advances, or propositions; (3) continued or repeated verbal abuse of a sexual nature; (4) graphic or degrading comments about an individual or his or her appearance; (5) the display of sexually suggestive objects or pictures; (6) subtle pressure for sexual activity; and (7) inappropriate physical contact. Sexual harassment does not refer to occasional compliments of a socially acceptable nature or consensual personal and social relationships without a discriminatory employment effect. It refers to behavior that is not welcome and that is personally intimidating, hostile, or offensive.

Academic Conduct and Collegiality
Freedom of expression and vigorous debate are crucial to scholarly exchange. At the same time, HSS strongly values mutual respect and strives to provide an environment for exchange that is free of bias and intimidation. We expect speakers and questioners at our meetings to demonstrate self-control and civility even in the midst of strong disagreement, and not to engage in ad hominem attacks.

Reporting Mechanism
Harassment, in any form, is sanctionable and is therefore subject to due process. Although it is hoped that conflicts between individuals can be worked out in a professional manner, sexual harassment, in particular, may not lend itself to such an accommodation. If an individual believes that she or he has experienced sexual harassment, or any other kind of harassing behavior as outlined above, at the Society’s annual meeting or at any of the HSS’s offices, the individual is requested
Respectful Behavior

to report it immediately to the Executive Director. Alternatively, the individual can report the allegation to the President of the Society. The Director or President will take a statement and, with the individual's consent, then attempt to contact the accused as soon as possible, so as to work toward a mutually acceptable resolution. If resolution is not possible, the matter will be referred to the Executive Committee. If the Committee, after communicating with the parties, is also unable to reach a resolution and determines that reasonable cause exists for seeking sanctions, the Committee will forward the matter to the Council, which, if in its opinion, concurs with the Committee, may ban the individual from future meetings and/or revoke his or her membership in the HSS. (See HSS Bylaws, Article IV, Sec 4.)

Any member proposed for termination for any reason other than non-payment of dues will be given advance written notice, including the reason for the proposed termination, the opportunity to contest the proposed termination in writing or in person before the Council, and a final written notice of the Council's decision. The decision of the Council is final. (Bylaws IV, 4) The following guidelines, as outlined in District of Columbia law §29-404.21, shall be observed. Termination and suspension: (a) A membership in a membership corporation may be terminated or suspended for the reasons and in the manner provided in the articles of incorporation or bylaws. (b) A proceeding challenging a termination or suspension for any reason shall be commenced within one year after the effective date of the termination or suspension. (c) The termination or suspension of a member shall not relieve the member from any obligations incurred or commitments made prior to the termination or suspension. [This reporting process was adopted, in part, from the American Association of University Professor's document, “Due Process in Sexual-Harassment Complaints” https://www.aaup.org/file/due-process-in-sexual-harassment-complaints.pdf.]

Approved by Council, November 2015

[Please note that the HSS is working to expand on this policy so that all attendees feel safe at the annual conferences. If you wish to speak to someone about an incident at the meeting, even if it is just to help you sort out what happened, please feel free to contact the Executive Director, Jay Malone, or the HSS President, Janet Browne.]

Westin Peachtree Plaza Layout

The majority of breakout sessions will take place on the Chastain level (6th floor), Augusta level (7th floor), and Piedmont level (12th floor). A few will be located on the Ansley level (14th floor). The plenary sessions will take place in Peachtree C (8th floor) or the Savannah Ballroom (10th floor). The main lobby of the hotel is on the 5th floor.

Chastain Level (6th Floor)

Augusta Level (7th Floor)
**Book Exhibit Layout**

The book exhibit is located in Augusta A, Augusta H, and the Augusta Foyer on the 7th Floor.

Note: Map not to scale.

**Exhibitor Listing by Table Number**

1. Routledge
2. University of Minnesota Press
3. Scholar's Choice
4. Royal Society Publishing
5. Collective Book Exhibit
6. Yale University Press
7. University of Toronto Press
8. Edwin Mellen Press
9. Penn State University Press
10. Johns Hopkins University Press
11. MIT Press
12. University of Pittsburgh Press
13. Palgrave Macmillan
14. Oxford University Press
15. Cambridge University Press
17. B&L Rootenberg Rare Books
18. Cambridge University Press
19. De Gruyter
20. Brill
21. Springer
22. Fellowship Information Table
23. Princeton University Press
24. Penguin Random House
25. Chemical Heritage Foundation
27. University of Alabama Press
28. University of Pittsburgh Press

**Exhibitor Listing by Name**

B&L Rootenberg Rare Books. 17
Brill. 20
Cambridge University Press. 18
Chemical Heritage Foundation. 25
Collective Book Exhibit. 5
Configurations. 28
De Gruyter. 19
Edwin Mellen Press. 8
Fellowship Information Table. 22
Green Lion Press. 12
Harvard University Press. 13
Johns Hopkins University Press. 10
MIT Press. 11
Oxford University Press. 14
Palgrave Macmillan. 15
Penguin Random House. 24
Penn State University Press. 9
Princeton University Press. 23
Routledge. 1
Royal Society Publishing. 4
Scholar’s Choice. 3
Springer. 21
University of Alabama Press. 27
University of Chicago Press. 26
University of Minnesota Press. 2
University of Pittsburgh Press. 16
University of Toronto Press. 7
Yale University Press. 6
**HSS Caucuses and Interest Groups**

The History of Science Society has several caucuses and interest groups to serve the numerous interests of its members. They are completely volunteer-driven and make significant contributions not only to the annual meetings, but to the Society and the field as a whole. Below are brief descriptions of each of these organizations and any sponsored sessions appearing on this year’s program. **Note that membership in a caucus or interest group is not required to attend a sponsored session or business meeting.** If you’re curious about a particular group, please attend the business meeting and/or contact the current chair(s).

### Graduate and Early Career Caucus

**Co-Chair:** Bridget Collins (University of Wisconsin–Madison)  
bdcollins@wisc.edu  
**Co-Chair:** Courtney Thompson (Mississippi State University)  
cthompson@history.msstate.edu

Emerging from a collective consensus that the creation of a graduate student and early career caucus within HSS would greatly benefit the next generation of scholars, the GECC is working to improve resource offerings for these groups in the coming year, through venues that include, but are not limited to, their website, https://hssgecc.wordpress.com/.

The chairs and officers are graduate students and early career members of HSS, who act as liaisons between the committees of the HSS and the student/early career constituency. The objective of the group is to facilitate communication between caucus members and HSS regarding their concerns, issues, and ideas, as well as potentially having representation on HSS committees in the future.

**2016 Sponsored Sessions and Events:**

- **HSS Graduate and Early Career Caucus Mixer** (Thursday, 9:00 – 11:00 PM)
- **CV Review** (Friday, 9:00 AM – 1:00 PM and Saturday, 9:00 AM – 1:00 PM)
- **Graduate and Early Career Caucus Business Meeting** (Saturday, 12:00 – 1:15 PM)
- **Roundtable: Becoming a Teacher-Scholar: History of Science Pedagogy and the Early Careerist** (Saturday 3:45 – 5:45 PM)

### HSS at Work

**Co-Chair:** Jessica Baron (University of Notre Dame)  
jessica@hssonline.org  
**Co-Chair:** George P. Burdell (Georgia Institute of Technology)  
gpburdell@gatech.edu

HSS at Work is devoted to improving opportunities and support for scholars interested in employment options for historians of science beyond the academy. Inspired by other efforts to support the scholarly community outside its traditional bounds, this caucus aims to serve graduate students, history of science alums, and faculty who are increasingly called upon to prepare their students for a variety of careers outside the traditional tenure-track.

Reminded that “the history of science is everywhere,” we seek to expand understandings of scholarship within and without the academy, and to create new connections within the history of science community.

**2016 Sponsored Sessions:**

- **HSS at Work Business Meeting** (Saturday, 8:15 – 8:45 AM)

### Joint Caucus of Socially Engaged Philosophers and Historians of Science

**HSS Co-Chair:** Rachel A. Ankeny (University of Adelaide)  
rachel.ankeny@adelaide.edu.au  
**PSA Co-Chair:** Janet D. Stemwedel (San Jose State University)  
janet.stemwedel@sjsu.edu

The Joint Caucus of Socially Engaged Philosophers and Historians of Science (JCSEPHS) was founded in 2012 to promote research, educational, and public activities in history and philosophy of science that constructively engage matters of social welfare. The JCSEPHS seeks to bridge scholarly research and public debate on science funding, research ethics, race and gender in science, and other scientific and technological matters involved in public policy debates.

**2016 Sponsored Sessions:**

- **Activities for Social Engagement** (Thursday, 7:30 – 8:30 PM)
- **How Do I ‘Do’ Socially Engaged Philosophy and History of Science? Lessons from Experienced Colleagues** (Saturday, 12:00 – 1:15 PM)

### Women’s Caucus

**Co-Chair:** Kimberly Hamlin (Miami University)  
hamlinka@miamioh.edu  
**Co-Chair:** Megan Raby (University of Texas at Austin)  
meganraby@austin.utexas.edu

The Women’s Caucus of the History of Science focuses on the role and status of women in the profession. The Caucus serves as a forum for those interested in the
history of women, as well as the wider role of gender in science, medicine, and technology. The caucus also helps sponsor and administer the Dependent Care Grants and a breastfeeding/family room at the annual meeting. The co-chairs of the Caucus act as a resource for the History of Science Society on questions pertinent to the role and status of women in the profession and in the Society. We also coordinate a listserve and a Facebook group: https://www.facebook.com/groups/HSSwomenscaucus/. 

2016 Sponsored Sessions:
- HSS Women’s Caucus Breakfast (Friday, 7:30 – 8:45 AM)
- Roundtable: Performing Science (Friday, 1:30 - 3:30 PM)

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**Early Science Forum**

Co-Chair: Jacqueline Feke (University of Waterloo)  
jeke@waterloo.ca

Co-Chair: Courtney Roby (Cornell University)  
croby@cornell.edu

The Early Science Forum represents the interests of scholars of scientific and technological work from antiquity through the seventeenth century. Our broad chronological, geographical, and subdisciplinary sweep is intended to foster communication and cooperation among scholars working on diverse topics who nevertheless face similar institutional and methodological obstacles. These include disciplinary fragmentation and marginalization, as well as the challenges posed by working primarily with materials that require additional language expertise or that prove difficult to access.

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**Earth and Environment Forum**

Chair: Ashanti Shih (Yale University)  
ashanti.shih@yale.edu

The Earth and Environment Forum is a lively group of scholars interested in histories of knowledge about the land, sea, and sky, and in all manner of physical, human, and life sciences as they have been practiced outdoors, in transit, or on a global scale. We share a long tradition of helping to welcome students into the discipline, and we warmly encourage any interested parties to join us for our annual get-together at HSS. At these meetings we make introductions between scholars, renew friendships, and hear updates about ongoing work in the history of the environmental and earth sciences.

2016 Sponsored Sessions:
- Earth and Environment Forum Annual Gathering (Friday, 12:00 – 1:15 PM)

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**Forum for History of Human Science**

Chair: Jill Morawski (Wesleyan University)  
jmorawski@wesleyan.edu

The FHHS was established to promote research, education, and scholarship in the history of human science; to provide a forum for discussion; and to foster interest in the history of human science among scholars, scientists, students, and the public.

The Forum subscribes to a broad definition of human science that encompasses such disciplines as anthropology, economics, geography, history, linguistics, political science, psychiatry, psychology, sociology, and statistics, as well as aspects of the biological and physical sciences, medicine, education, law, and philosophy.

2016 Sponsored Sessions:
- Forum for History of Human Science Business Meeting and Distinguished Lecture (Saturday, 12:00 – 1:15 PM)
- Human Science Fictionalized: A Novel, a Visual Narrative and an Indie Film (Sunday 9:00 – 11:00 AM)

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**Forum for the History of Science in America**

Co-Chair: Sally Gregory Kohlstedt (University of Minnesota)  
sgk@umn.edu

Co-Chair: Gwen Kay (State University of New York at Oswego)  
gwen.kay@oswego.edu

The Forum for the History of Science in America promotes research and education on the history of science in the Americas, encourages an interest in science among American historians, fosters historiographical and methodological excellence among historians, scientists, and others who might contribute to the understanding of science in America, and sponsors an annual prize for the best first book or article.

2016 Sponsored Sessions:
- Forum for the History of Science in America Business Meeting (Friday, 12:00 – 1:15 PM)

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**Forum for the History of Science in Asia**

Chair: Fa-ti Fan (State University of New York at Binghamton)  
ffan@binghamton.edu

FHSAsia is devoted to furthering scholarship in the history of science, medicine, and technology in Asia. It aims to promote research and education in the history of science in Asia, to provide a forum for discussion, and to foster and support in-
Caucuses and Interest Groups

International collaboration among scholars working in all areas related to the study and practice of the sciences in Asia.

2016 Sponsored Sessions:

- Forum for the History of Science in Asia Luncheon (Saturday, 12:00 – 1:15 PM)

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**Forum for the History of the Chemical Sciences**

Chair: Margaret Garber (California State Fullerton)
mgarber@fullerton.edu

The Forum for the History of the Chemical Sciences (FoHCS) was organized in 2011 to facilitate the promotion of the history of the chemical sciences, broadly conceived, within the History of Science Society. Its mission is 1) to organize sessions at annual meetings of the HSS and at other meetings in which the HSS is taking part, and 2) to encourage conversations both with professional historians of alchemy and chemistry in other historical societies and historically-minded chemists in professional chemical societies in the U.S. and abroad.

2016 Sponsored Sessions:

- Theory and Practice in Sixteenth and Seventeenth Century Chymistry and Medicine (Thursday, 3:45 – 5:45 PM)
- Forum for the History of the Chemical Sciences Business Meeting (Saturday, 12:00 – 1:15 PM)
- Roundtable: Chemistry, Physics, and the Space in Between (Saturday, 3:45 – 5:45 PM) (co-sponsored)

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**Forum for the History of the Mathematical Sciences**

Chair: Karen Parshall (University of Virginia)
khp3k@virginia.edu

The Forum for the History of the Mathematical Sciences serves as a focal point for historians of the mathematical sciences within the History of Science Society (HSS). It became an officially recognized HSS interest group in 2008 in an effort both to encourage the participation of historians of the mathematical sciences in the HSS and to raise awareness of the subdiscipline in the history of science community, as opposed to the mathematics community where it has long been firmly institutionalized. FoHoMS has one face-to-face business and brainstorming meeting each year at the HSS and regular e-mail exchanges throughout the rest of the year.

2016 Sponsored Sessions:

- Forum for the History of the Mathematical Sciences Luncheon (Friday, 12:00 – 1:15 PM)
- Case Closed? The Promises and Limits of Case Methods in the History of the Mathematical Sciences (Friday, 3:45 – 5:45 PM)

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**Physical Sciences Forum**

Chair: Amy Fisher (University of Puget Sound)
afisher@pugetsound.edu

The HSS Physical Science Forum is a voluntary association of individuals interested in furthering scholarship in the history of the physical sciences as broadly understood, including but not limited to: physics; earth, space, and atmospheric science; astronomy; and materials science. It will help forge a more coherent community for those with a core specialty in these sub-fields with a particular emphasis on developing the connections linking these sub-fields and exploring their resonance with wider scholarship. The ultimate goals are: to foster generative dialogue and interaction within such a community for the sake of refining historiography and deepening historical insights; to maximize scholarly contributions to the history of science; and to integrate historians of physical science more closely with the history of science community.

2016 Sponsored Sessions:

- Physical Sciences Forum Business Meeting and Distinguished Lecture (Friday, 12:00 – 1:15 PM)
- Performance and/as Pedagogy in the Physical Sciences (Friday, 3:45 – 5:45 PM)
- Roundtable: Chemistry, Physics, and the Space in Between (Saturday, 3:45 – 5:45 PM) (co-sponsored)
History of Science Society
Meeting Program
November 3 – 6, 2016
Atlanta, Georgia

Please be sure to read the printed errata for any updates to this program. Further updates and information during the meeting will be announced on the Twitter feed (@hssonline), using the hashtag #hss16, and posted at the registration desk. The online version of the program, available at the HSS Meeting website, and the meeting app will be kept up-to-date.

This program is also available as a pdf on the HSS website. The pdf includes all of the information available here, and it reflects any changes and updates made since this program went to press. The pdf also includes hyperlinks to session and paper abstracts. Attendees can also download a meeting app to their mobile devices using the Guidebook app. The meeting app provides additional functionality unavailable in the printed program and pdf, including information on the programs of the Philosophy of Science Association and the Society for Literature, Science, and the Arts.

A note on the use of social media: This year the HSS will again take full advantage of all that social media (blogging, Twitter, Facebook, etc.) has to offer. That means you may see audience members on their mobile devices during talks. We want to encourage this kind of digital engagement among our members, so please keep in mind that if you see someone on their mobile device, they may simply be sending out messages about the conference to a wider audience. For those using social media during conference events, please be aware of your surroundings and keep it positive!

Registration Desk: The registration desk will be on the 6th floor, one floor above the main lobby level. It will be in The Overlook on Thursday and Friday and in the Chastain Foyer on Saturday and Sunday. The registration desk will be open extra hours on Thursday evening for those who registered online to pick up their registration materials.

Thursday, 10:00 AM – 5:30 PM
   The Overlook (6th Floor)
Thursday 6:00 PM – 8:00 PM*
   Augusta Foyer (7th Floor)
   * Pre-registrants only

Friday 8:00 AM – 5:00 PM
   The Overlook (6th Floor)
Saturday 8:00 AM – 5:00 PM
   Chastain Foyer (6th Floor)
Sunday 8:00 AM – 11:00 AM
   Chastain Foyer (6th Floor)

Book Exhibit: The book exhibit will open on Thursday evening for the opening reception and will be available during the day on Friday and Saturday, and on Sunday morning.

Augusta Foyer, Augusta A, Augusta H (7th Floor)

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Family/Nursing Mother’s Room: Savannah D, on the 9th floor, has been designated as a family and nursing mother’s room. There will be a section of the room screened off for more privacy.

Savannah D (9th Floor)

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Childcare Room: Childcare services for children between the ages of 6 months and 12 years are provided by Accent on Children’s Arrangements. Please see the HSS website for details on charges to parents for the service.

Chastain 1 (6th Floor)

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Quiet Room: The Quiet Room will be set with tables for study, quiet conversation, and similar activities.

Savannah E (9th Floor)

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Hospitality Room

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Thursday, November 3

9:00 AM – 10:30 AM

Conceptions of Geometry from Klein through Hilbert to Weyl
Piedmont 1 (12th Floor)

This session is part of the Philosophy of Science Association program and is sponsored by the International Philosophy of Mathematics Association.

Chair: Colin McLarty (Case Western Reserve University)

- “Weyl, Identity, Indiscernibility,” Otávio Bueno (University of Miami)
- “Hilbert’s Geometry and Mathematical Truth,” Eileen Nutting (University of Kansas)
- “Klein’s Erlangen Program and Physical Geometry in the Early Twentieth Century,” Sahotra Sarkar (University of Texas at Austin)

Taking the History and Philosophy of Science to School
Piedmont 6 (12th Floor)

This session is part of the Philosophy of Science Association program and is sponsored by the International History, Philosophy and Science Teaching Group.

Chair: Harvey Siegel (University of Miami)

- “History and Philosophy of Science and Science Education: A Symbiotic Relationship,” Zoubeida R. Dagher (University of Delaware)
- “The Value of History and Philosophy of Science for Science Teacher Education,” Michael Clough (Iowa State University)
- “Newton, Diagrammatic Reasoning, and Inquiry,” Pierre Boulos (University of Windsor)

9:00 AM – 12:30 PM

Oral History and the History of Science: A Workshop in Honor of Cliff Kuhn
Chastain D (6th Floor)

Workshop Leader: David Caruso (Chemical Heritage Foundation)

Oral history provides invaluable access to the knowledge, experiences, and motivations of actors in their own words, revealing, for example, the hidden side of scientific research—misconceptions, redirections, inspirations—that may be invisible in the published record, providing a rich source for a network analysis of the relationships among members of specific social groups, and/or serving as the core work for studying cohorts. This workshop will introduce individuals to the practice, performance, and preservation of oral history and research interviews. Participants will learn the theoretical principles and practices of this interviewing methodology including: subject selection; ethics, human subject research, and the law; interview preparation; editing historical documents; equipment usage; and archiving oral history research in a digital age.

10:45 AM – 12:15 PM

Philosophy of Science and the Context of Science Pedagogy: Historical and Systematic Lessons from the USA in the Past Hundred Years
Piedmont 5 (12th Floor)

This session is part of the Philosophy of Science Association program and is sponsored by the International History, Philosophy and Science Teaching Group.

Chair: Alan Richardson (University of British Columbia)

- “Theorizing Science and Pedagogy in the Pre-Professional Era,” Andrew Jewett (Harvard University)
- “Connecting Inquiry and Values in Science Education: An Approach Based on John Dewey’s Perspective,” Eun Ah Lee (University of Texas at Austin) and Matthew J. Brown (University of Texas at Dallas)
- “Demarcation, Law, and the Schools: The Science/Non-Science Boundary since the Dover Trial,” Adam Shapiro (Independent Scholar)

11:45 AM – 1:15 PM

Digging, Driving, Decoding, Describing: Media Historical Technologies
Peachtree 1 (8th Floor)

This session is part of the Society for Literature, Science, and the Arts program.

Chair: Patrick LeMieux (University of California, Davis)

- “Making Media Middens,” Finn Brunton (New York University)
- “On Footwork, or: How to Get People Talking in a Town that Wants to Forget,” Laine Nooney (Georgia Institute of Technology)
- “How to Lose: Forensic Reconstructions of How to Win ‘Super Mario Bros’,” Patrick LeMieux (University of California, Davis)
Historicizing the Health Humanities: Contemporary Legacies of Literature and Medicine in Context

*Ansley 5 (14th Floor)*

This session is part of the Society for Literature, Science, and the Arts program.
Chair: Monique Dufour (Virginia Tech)

- “Colonial Histories, Contemporary Health Humanities: The Calcutta Chromosome as Case Study,” Jessica Howell (Texas A&M University)
- “Modernist Equipment for Living: Kenneth Burke and the Contemporary Medical Humanities,” Jesse Miller (State University of New York at Buffalo)
- “Generating Medical Professional Ethos: British Female Physicians’ Acts of Creative Self-Fashioning from Victorian Novels to #likealadydoc,” Kristin E. Kondrlik (West Chester University)
- “‘What Is Reading Doing to Johnny?’ Forging Connections between Literacy and Health in the U.S., 1940-Present,” Monique Dufour (Virginia Tech)

1:00 PM – 5:00 PM

HSS Council Meeting

*Augusta C (7th Floor)*

1:30 PM – 3:30 PM

Between the Natural and Human Sciences: Historical Lessons from the Study of [Our] Brains and Behaviors

*Augusta B (7th Floor)*

Chair and Organizer: Tara Abraham (University of Guelph)

- “Neurohistology and the ‘Radical’ Surgical Treatment of Epilepsy in the 1920s and 30s,” Delia Gavrus (University of Winnipeg)
- "Radical to Some Yet to Others, Ho-Hum: Adolf Meyer's Biological Theory of Mind, 1895-1925," Susan Lamb (University of Ottawa)
- “The Sciences of Brain and Mind in American Medical Education: The Case of Harvard's Medical School, 1900-1945,” Tara Abraham (University of Guelph)
- “Epigenetics as Trending Science,” Michael Pettit (York University)

Evolutionary Progress

*Chastain H (6th Floor)*

Organizers: Myrna Perez Sheldon (Ohio University) and Chris Haufe (Case Western Reserve University)
Chair: Robert J. Richards (University of Chicago)

- “Evolutionary Progress and Social Reform in American Pragmatism,” Trevor Pearce (University of North Carolina at Charlotte)
- “Ascent or Descent? Post-WWII Attempts to Reconcile Progress and Aggression in Human Evolution,” Erika Milam (Princeton University)
Thursday, November 3, 1:30 - 3:30 PM

- “Adaptation, Progress and Racism in Evolutionary History,” Myrna Perez Sheldon (Ohio University)
- “The Directionality of Science,” Chris Haufe (Case Western Reserve University)

Global Circulations in the History of Science and Technology

Piedmont 5 (12th Floor)

Chair: Tamara Caulkins (Oregon State University)

- “Crafting Modernity from Alchemy to Industry: Eighteenth-Century Chinese Porcelain Production,” Kaijun Chen (Brown University)

History of Philosophy of Science

Piedmont 3 (12th Floor)

The session is part of the Philosophy of Science Association Program.

Chair: Craig Fox (California University of Pennsylvania)

- “Responding to Ptolemy Versus Copernicus: Equivalence and Inequivalence in the Development of Scientific Methodology,” Katherine Brading (University of Notre Dame)
- “Newton: From Certainty to Probability,” Kirsten Walsh (University of Calgary)
- “Duhemian Good Sense and Agent Reliabilism,” Sindhuja Bhakthavatsalam (California State University, Northridge)

Morality and Medicine in the Scientific Age

Augusta E (7th Floor)

Organizer: Jessica Martucci (University of Pennsylvania and Chemical Heritage Foundation)

Chair: Lara Freidenfelds (Independent Scholar)

- “Beyond Abortion: Catholic Physicians and the Discovery of Ectopic Pregnancy,” Jessica Martucci (University of Pennsylvania and Chemical Heritage Foundation)

Science and Policy: Innovation, Regulation, Education

Chastain G (6th Floor)

Chair: Melissa Charenko (University of Wisconsin–Madison)

- “The Phoenix Project: The Education of Nuclear Engineers and the Civilization of the Atom,” David Munns (John Jay College, City University of New York)
- “Bypassing Turbulence: Soviet Acoustic Science and the Technopolitics of the Jet Age,” Chris Zakroff (Georgia Institute of Technology)
- “When Regulatory Principles Travel: The Cartagena Protocol on Biosafety and the Establishment of the Biosafety Regime in Korea,” Taemin Woo (Korea Advanced Institute of Science and Technology)

The Significance of Experiment in the History of Science

Chastain I (6th Floor)

Chair: Peter Distelzweig (University of St. Thomas)
Thursday, November 3, 1:30 - 3:30 PM

- “One Should Never Rehearse in Boots: Goethe’s Experiments in Theater,” Ashley Clark (University of Chicago)
- “Vivisection and Cross-Species Inference in Nineteenth-Century Physiology,” Zina Ward (University of Pittsburgh)
- “Managing Failure: Peter Brian Medawar’s Study of Immunological Tolerance and the Age of Biomedicine,” Hyung Wook Park (Nanyang Technological University)
- “How Studying ‘Experimental Evolution’ Changes Our Understanding of the History of Evolutionary Studies,” Kele Cable (University of Minnesota)

Technology, Epistemology, and the Social Sciences in Twentieth-Century France

Piedmont 8 (12th Floor)
Organizer: Alexander Arnold (New York University)
Chair: Larry McGrath (Wesleyan University)
- “Pharmacology and Phenomenology: Jean-Paul Sartre’s Mescaline Experiments,” Antoine Lentacker (University of California, Riverside)
- “Technocracy, Contingency, Complexity: New Sciences, Humans, and Human Sciences in France: 1968-2016,” Jacob Krell (Cornell University)
- Commentator: Larry McGrath (Wesleyan University)

2:00 PM – 4:00 PM

NSF Speed Dating: Science, Technology and Society PLUS Cultivating Cultures for Ethical STEM

The Overlook (6th Floor)
Two NSF Program Officers, Fred Kronz and Wenda Bauchspies from SBE/SES, will be available to meet with potential PIs in 15 minute increments. The goal is to provide potential PIs the chance to pitch their research idea, to ask informational questions and to receive feedback on their projects for either the Science, Technology, and Society Program or Cultivating Cultures of Ethical STEM.

Sign-up sheets for scheduling appointments will be located in the registration area, near the NSF poster and table in The Overlook on the 6th floor. Meetings will take place in the same location.

3:30 PM – 3:45 PM

Coffee Break
Chastain Foyer (6th Floor), Augusta Foyer (7th Floor), Piedmont (12th Floor)

3:45 PM – 5:45 PM

Collecting, Colonialism, and Material Culture in the 18th and 19th Centuries

Piedmont 7 (12th Floor)
Chair: Kathleen Sheppard (Missouri University of Science and Technology)
- “Enlightened Goals and Jesuit Scientific Knowledge: The Malaspina Expedition in Rio de la Plata Viceroyalty (1789),” Marcelo Figueroa (Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina)
- “Working in British Colonial Botanic Gardens: India and the Caribbean, 1780s to the 1840s,” J’Nese Williams (Vanderbilt University)
- “Strange Beauty: Bryological Collecting and Preservation in the Victorian Tropics,” Elaine Ayers (Princeton University)

Early Modern Natural History & Natural Philosophy/Medicine, Madness, and Religion

Augusta E (7th Floor)
* This session is composed of two distinct mini-sessions that resulted from the withdrawals of other participants. The HSS thanks the participants for agreeing to merge the sessions.
Chair: Jennifer Rogers (Georgia State University)
- “Painted Rocks: Ruins of an Ancient Earth from the Middle Ages to Leonardo’s ‘Deluges,” Ivano Dal Prete (Yale University)
- “Mind, Body, and Soul: Reshaping Psychiatric Practice in Late Nineteenth-Century Catholic Spain,” Helen Quinones Greeson (Georgia State University)
Thursday, November 3, 3:45 - 5:45 PM

The Fake and the False: Science, Law, and Trickery

Piedmont 8 (12th Floor)
Organizer: Mitra Sharafi (University of Wisconsin–Madison)
Chair: Mary Dudziak (Emory University)

- “Counterfeiting Madness: The Problem of Imposture in Nineteenth-Century Insanity Trials,” Susanna Blumenthal (University of Minnesota)
- “Detecting Dissimulation: Poisoning and the Chemical Examiners in Colonial India,” Mitra Sharafi (University of Wisconsin–Madison)
- Commentator: Mary Dudziak (Emory University)

The Gendered Body: Medicine and Biology in the 19th and Early 20th Centuries

Chastain F (6th Floor)
Organizer: Kate Grauvogel (Indiana University Bloomington)
Chair: Kimberly Hamlin (Miami University)

- “The Drug of Women’s Education: Dr. E.H. Clarke’s Materia Medica as Context for his Sex in Education (1873),” Andrew Fiss (Michigan Technological University)
- “Sex in the Classroom: The Role of Male and Female Bodies in Benjamin Rush’s Pedagogy,” Sarah Naramore (University of Notre Dame)
- “Interpreting Intersexuality in Interwar German Biology,” Sander Gliboff (Indiana University Bloomington)
- “The Importance of the Female Body in Early Endocrinology, 1822-1891,” Kate Grauvogel (Indiana University Bloomington)

Human Ecology as an Interdisciplinary Approach to Social and Environmental Crisis

Piedmont 5 (12th Floor)
Organizer: Adrianna Link (Amherst College)
Chair: Laura J. Martin (Harvard University)

- “Historical Ecology: An Antidote to Neo-Malthusianism, Pessimism, and Centralized Planning,” Emilie Raymer (Johns Hopkins University)
- “Postwar Human Ecology: The Problem of ‘Communities’ and the Decline of Succession in American Sociology,” Christine Manganaro (Maryland Institute College of Art)
Thursday, November 3, 3:45 - 5:45 PM

- “Industrial Psychology and the Problem of Workplace Conflict in Interwar Britain, 1921-1937,” Danielle Picard (Vanderbilt University)
- “Experimenting in Public: Ellen Richards and ‘Right Living’ through Science, 1880-1900,” Serenity Sutherland (University of Rochester)
- “Farm to Front: Max Winckel and Nutritional Science during the First World War,” Carolyn Taratko (Vanderbilt University)

Theory and Practice in Sixteenth and Seventeenth Century Chymistry and Medicine

Chastain G (6th Floor)

This session is sponsored by the HSS Forum for the History of the Chemical Sciences.

Organizer and Chair: Evan Ragland (University of Notre Dame)

- “The Office of the Stomach: Digestion, Transmutation and Vital Anatomy,” Elisabeth Moreau (Université Libre de Bruxelles, Radboud University Nijmegen)
- “Chymistry Made Sensible,” Joel Klein (Columbia University)
- “Experimental, Chymical, Clinical Medicine at Seventeenth-Century Leiden,” Evan Ragland (University of Notre Dame)
- “Situating Robert Boyle’s Medical Recipes in a History of Experimentation,” Michelle DiMeo (Chemical Heritage Foundation)

Zoopoetics Unbound: The Creative Agency of Animals, Plants, and Machines around 1900

Ansley 1 (14th Floor)

This session is part of the Society for Literature, Science, and the Arts program.

Chair: Agnes Malinowska (University of Chicago)

- “Everything Unspeaks: Narrating Animals and Animal Narrative in Ulysses,” Nell Pach (University of Chicago)
- “Phytopoetics: Creative Plant Agency in Literary and Cultural Modernism,” Joela Jacobs (University of Arizona)
- “A Leviathan with Tentacles of Steel: Nature-Machine Agents and ‘Bad’ Naturalist Style in The Octopus,” Agnes Malinowska (University of Chicago)
- “Non-anthropocentric Poetics: The Creative Signature of Mycobacteria,” Nevena Ivanova (Waseda University)

Thursday, November 3, 6:00 - 7:30 PM

6:00 PM – 7:30 PM

HSS Plenary Session

Technology and Science as Political Ontology

Peachtree C (8th Floor)

Organizer: Hippolyte Goux (University of California, Los Angeles)

Chair: Tiago Saraiva (Drexel University)

- “The Corn/Hog Ratio and American Democracy from World War I to the New Deal,” Tiago Saraiva (Drexel University)
- “What Forms of Life Are in the Living Wage?” Dana Simmons (University of California, Riverside)
- “How French Engineers Reduced the Market to Numbers,” Hippolyte Goux (University of California, Los Angeles)
- Commentator: John Tresch (University of Pennsylvania)

7:30 PM – 8:30 PM

Opening Reception, Book Exhibit Opens

Augusta Ballroom, Augusta Foyer (7th Floor)

Join your colleagues from the History of Science Society, the Philosophy of Science Association, and the Society for Literature, Science, and the Arts for the opening of the book exhibit. Light hors d’oeuvres and a cash bar.

The opening reception is sponsored by the University of Chicago Press.

Activities for Social Engagement

Augusta D (7th Floor)

This session is sponsored by the Joint Caucus of Socially Engaged Philosophers and Historians of Science.

Organizers: Rachel Ankeny (University of Adelaide) and Janet Stemwedel (San José State University)

Taking place adjacent to the opening reception, this is an opportunity to learn how some of your colleagues in the HSS and PSA are expanding the impact of their work.

Participants will share a variety of socially engaged projects, highlighting lessons learned from their experiences, challenges that remain, promising strategies, and best practices, at least some of which will be captured in collectable “trading cards.”
Thursday, November 3, 9:00 - 11:00 PM

HSS Graduate and Early Career Caucus Mixer
*Coke Zero Room at STAT* (300 Marietta St NW)

Join your fellow young and young-at-heart scholars after the opening reception at the Coke Zero Room at STAT for tasty food, refreshing libations, and brilliant conversation.

The Mixer is sponsored by the HSS Graduate and Early Career Caucus.

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**Friday, November 4**

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**7:30 AM – 8:45 AM**

HSS Women’s Caucus Breakfast
*Augusta C & D (7th Floor)*

The breakfast is sponsored by the Linda Hall Library.

Additional support has been given in celebration of the life of Janice Neri.

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**8:30 AM – 10:00 AM**

Biopolitics in History, 1500-1800
*Ansley 4 (14th Floor)*

This session is part of the Society for Literature, Science, and the Arts program.

Chair: Robert Markley (University of Illinois at Urbana-Champaign)

- “Quantified Bodies,” Al Coppola (John Jay College, City University of New York)
- “Security, Territory, Infestation: Governmentality and Insect Populations,” Lucinda Cole (University of Illinois at Urbana-Champaign)
- “Wollstonecraft and the Bio-Aesthetics of Post-Revolution,” Richard Barney (State University of New York at Albany)

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**9:00 AM – 11:45 AM**

Environment, Race, Empire: The Field Sciences in the American South
*Augusta B (7th Floor)*

Organizer: Owen Hyman (Mississippi State University)

Chair: Mark Barrow (Virginia Tech)

- “Atmospheric Disturbances: Medical Meteorology and American Expansion in the Southeastern Borderlands,” Elaine LaFay (University of Pennsylvania)
- “American Imperialism and the Rise of Tropical Medicine in New Orleans,” Urmi Engineer (Murray State University)
- “‘A Plantation Experiment’: Planter Knowledge and ‘The Race Problem’, 1900-1920,” Jason Hauser (Mississippi State University)
- “Material Culture and the Reconstruction of Black Labor in Southern Forestry,” Owen Hyman (Mississippi State University)
- Commentator: Mark Barrow (Virginia Tech)

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Harm Reduction and Public Health
*Piedmont 6 (12th Floor)*

Organizer: Kelly Szott (Earlham College) and Maysan Haydar (Ohio State University)

Chair: Maysan Haydar (Ohio State University)

- “Guerilla Public Health: Needle Exchange and the Interface between Research and Activism,” Caroline Jean Acker (Carnegie Mellon University)
- “Trade Offs between Harm Reduction and Pleasure,” Maysan Haydar (Ohio State University)
- “Harm Reduction as a ‘Global’ Model? Historical and Ethnographic Insights from Argentina,” Shana Harris (University of Central Florida)
- Commentator: Nicole C. Nelson (University of Wisconsin–Madison)

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Histories of Postwar Futures: Forecasts, Simulations and Scenarios
*Chastain F (6th Floor)*

Organizer: Bretton Fosbrook (York University)

Chair: Jason Oakes (University of California, Davis)

- “Scenario Planning in Business, Biology, and Futures Research,” Jason Oakes (University of California, Davis)

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**Coffee Break 10:00 - 10:15 AM**

*Chastain Foyer (6th Floor), Augusta Foyer (7th Floor), Piedmont (12th Floor)*
- "Experts in Conflict: Human Judgment vs. Automated Forecasting in U.S. Foreign Policy," Joy Rohde (University of Michigan)
- "Engineering Intuition: From Counterintuitive to Human-Centered Computer Forecasting," Kevin Baker (Northwestern University)
- Commentator: Joanna Radin (Yale University)

Knowing Science’s Business: Exploring Intersections of Industrial and Academic Science

Chastain H (6th Floor)
Organizer: Samantha Muka (University of Pennsylvania)
Chair: James Fleming (Colby College)
- "Becoming Kai-Lingual: Submerged Livestock and Remote Sensing in Coastal Japan," Kjell Ericson (Yale University)
- "From Angel Food Cake To Zygro: Making Scientific Knowledge in the Food-Industrial Complex," Nadia Berenstein (University of Pennsylvania)
- "Strange (Sea) Bedfellows: Science and Industry in the SERPENT Project," Samantha Muka (University of Pennsylvania)
- Commentator: James Fleming (Colby College)

The Language of Science and the Science of Language: Exchanges, Transformations, Negotiations 1790-1950

Piedmont 5 (12th Floor)
Organizer: Jan Surman (Herder Institute for Historical Research on East Central Europe)
Chair: Kevin Chang (Academia Sinica)
- "Sanskrit Names on Paper: Knowing Plants in East India Company Bengal, c. 1790," Minakshi Menon (Max Planck Institute for the History of Science)
- "Pronounced Variation: Chemical English in America," Evan Hepler-Smith (Harvard University)
- "Linguists Writing Chemistry: Debates about Chemical Terminology and the Beginning of Interdisciplinarity around 1900," Jan Surman (Herder Institute for Historical Research on East Central Europe)
- "The Scientific Foundations of Interlingua and Its Use in Medical Communication," Judith Kaplan (Max Planck Institute for the History of Science)
- Commentator: Kevin Chang (Academia Sinica)

Measuring and Evaluating the Subjective

Chastain G (6th Floor)
Organizers: Ardeta Gjikola (Harvard University) and Tal Arbel (Harvard University and Tel Aviv University)
Chair: Janet Browne (Harvard University)
- "The Respiratory Reflex," Oriana Walker (University of Bristol)
- "What the (Jewish) Soldier Thinks: American Morale Surveys, the 1948 Palestine War, and the Cultural Politics of Science-in-Translation," Tal Arbel (Harvard University and Tel Aviv University)
- "Weighty Matters: How to Know How Much Food You Need," Steven Shapin (Harvard University)

No Exercise in Futility: The Pursuit of Scientific Research by African Americans, 1870-1960

Augusta E (7th Floor)
Organizer: Ronald Mickens (Clark Atlanta University)
Chair: Charmayne Patterson (Clark Atlanta University)
- "African American Technical Societies – To Preserve and Protect Their Species," Hattie Carwell (Independent Scholar)
- "Elmer S. Imes and Willie Hobbs Moore: Quantum Physics and Infrared Spectroscopy," Ronald Mickens (Clark Atlanta University)
- "Black Inventiveness in a Global Context," Rayvon Fouché (Purdue University)
- "Black Mathematicians and the Paths to Excellence," Erica N. Walker (Teachers College, Columbia University)
- Commentator: Shari Watkins (University of Delaware)

Technologies of International Health

Piedmont 7 (12th Floor)
Organizer: Heidi Morefield (Johns Hopkins University)
Chair: David Jones (Harvard University)
Friday, November 4, 9:00 - 11:45 AM

- “Making an 'Evidence-Based' Technology in Africa: Science, Technology and Global Health Governance,” Kirsten Moore-Sheeley (Johns Hopkins University)
- “Eastern Europe and Communism in Global Polio Eradication,” Dora Vargha (University of Exeter)
- “Appropriate for Whom? Interpreting Appropriate Technology in International Health,” Heidi Morefield (Johns Hopkins University)
- Commentator: David Jones (Harvard University)

Tests and Testing: The Case of Hearing

Chattain I (6th Floor)

Organizer: Alexandra Hui (Mississippi State University)
Chair: Lino Camprubi (Max Planck Institute for the History of Science)

- “Testing Future Ears: Psychotechnics and Language Planning in Interwar Germany,” Viktoria Tkaczyk (Max Planck Institute for the History of Science)
- “What Does the Fish Say? Measuring the Ocean in Oil and Gas Offshore Operations,” Elena Parmiggiani (Norwegian University of Science and Technology)
- Commentator: Lino Camprubi (Max Planck Institute for the History of Science)

Underground Knowledge: Miners’ Bodies and the New History of Verticality

Piedmont 8 (12th Floor)

Organizer: Laura Stark (Vanderbilt University)
Chair: Hillary Taylor (Vanderbilt University)

- “Embodying the Nation: The Elision of Miners from Narratives of China’s Economic Rise,” Shellen Wu (University of Tennessee)
- “Underground Enlightenment: How German Mining Shaped ‘Humboldtian Science,’” Patrick Anthony (Vanderbilt University)
- “‘For the Protection of Their Manpower’: Embodying Modernity at the Miners’ Memorial Hospital Association, 1956-1964,” Maya Sandler (Yale University)
- “Exceptional Bodies and Normal Science: Coal Miners as ‘Normal Controls’ in NIH Psychotropic Drugs Studies circa 1960,” Laura Stark (Vanderbilt University)
- Commentator: Michael Reidy (Montana State University)

CV Review

Chattain Foyer (6th Floor)

HSS Executive Office Staff Meeting

Group Office (7th Floor)

Committee on Meetings and Programs Meeting

Location TBA

Earth and Environment Forum Annual Gathering

Augusta B (7th Floor)

See p. 20 for more information on the Earth and Environment Forum.

Forum for the History of Science in America Business Meeting

Chattain G (6th Floor)

See p. 21 for more information on the Forum for the History of Science in America.

Forum for the History of the Mathematical Sciences Luncheon

Pitty Pat’s Porch Restaurant (25 Andrew Young International Blvd. NW)

See p. 22 for more information on the Forum for the History of the Mathematical Sciences.
Physical Sciences Forum Business Meeting and Lecture
Chastain I (6th Floor)

- “Technological Collaboration and Non-Proliferation,” John Krige (Georgia Institute of Technology)

See p. 23 for more information on the Physical Sciences Forum.

Roundtable: Funding Opportunities in the History of Science
Chastain F (6th Floor)
Organizer: Tania Munz (Linda Hall Library)
Chair: Carin Berkowitz (Chemical Heritage Foundation)

- “Funding at the Linda Hall Library,” Tania Munz (Linda Hall Library)
- “International Funding Opportunities at NSF,” Wenda Bauschpies (National Science Foundation)
- “Funding Opportunities for Historians of Science at NSF,” Fred Kronz (National Science Foundation)
- “Research Funding Through the Consortium for History of Science, Technology, and Medicine,” Babak Ashrafi (The Consortium for History of Science, Technology, and Medicine)
- “Funding Opportunities at ACLS,” Matthew Goldfeder (American Council of Learned Societies)
- “Dissertation, Postdoctoral, and Research Fellowships at CHF,” Carin Berkowitz (The Chemical Heritage Foundation)

Roundtable: The Relevance of History of Science to Diversity and Global Learning
Augusta E (7th Floor)
Organizer: David Spanagel (Worcester Polytechnic Institute)
Chair: Richard Beyler (Portland State University)

- “Global Learning for All,” David Spanagel (Worcester Polytechnic Institute)
- “Tensions Between Place-Specificity and the Global Perspective,” Jacob Hamblin (Oregon State University)
- “Ocean Literacy as a Component of Global Literacy,” Helen Rozwadowski (University of Connecticut–Avery Point)
- Commentator: Richard Beyler (Portland State University)

Digital Humanities and the Philosophy of Science
Chastain C (6th Floor)
This session is part of the Philosophy of Science Association program.
Chair: Monika Piotrowska (State University of New York at Albany)

- “evoText and the Philosophy of Science,” Charles Pence (Louisiana State University) and Grant Ramsey (KU Leuven)
- “Darwin’s Semantic Voyage,” Jaime Murdoch, Colin Allen, and Simon DeDeo (Indiana University Bloomington)
- “Research, Outreach, and Education Systems: The HPS Repository, Embryo Project, and MBL History Project,” Kate MacCord, Jane Maienschein, and Steve Elliott (Arizona State University)
- “Detecting and Explaining Innovations in Science with Big-Data Computational Methods and Modeling,” Manfred Laubichler (Arizona State University and Santa Fe Institute)

Fixing Objects across Intellectual and Institutional Boundaries
Chastain H (6th Floor)
Chair: Caitlin Wylie (University of Virginia)

- “The Many Nicotines of the 1950s: Fixity and Variability of a Molecule,” Stephan Risi (Stanford University)
- “From Legislature to Laboratory: Cancer Viruses as ‘Administrative Objects,’” Robin Wolfe Scheffler (Massachusetts Institute of Technology)
- “From Market-Basket Analysis to Individual Profiling: The Development of Association Rules and Privacy through the Analysis of Algorithms as Historical Texts, 1989-1998,” Boaz Miller (Bar Ilan University), Stav Kaufman (Tel Aviv University), and Ehud Lamm (Tel Aviv University)
- “Paper Fossils, Plaster Fossils, Digital Fossils: Specimen Representation Techniques from the 18th to 21st Centuries,” Caitlin Wylie (University of Virginia)

Humoralism in the Pre-Modern Mediterranean: Anatomy, Physiology and Therapeutics
Chastain G (6th Floor)
Organizer and Chair: Nahyan Fancy (DePauw University)

- “Phlegm, Pneuma, and Semen: The Fluid Economy of the Brain in Late Antiquity,” Jessica Wright (University of Southern California)
• “Blood is Pure Nutriment; The Remaining Humors are Like Helpful Spices: Ibn al-Nafīs and the Post-Avicennan Transformation of Humoral Theory in Western Eurasia,” Nahyan Fancy (DePauw University)
• “Reading Celsus in Early Modern Italy: Benivieni’s Humors, Surgeries, and Unhidden Causes,” Marquis Berrey (University of Iowa)
• Commentator: Susan Mattern (University of Georgia)

Mathematics in Early Modern Europe
Chastain F (6th Floor)
Chair: Darin Hayton (Haverford College)
• “The Role of Proclus in Shaping Renaissance Mathematics,” Brent Purkaple (University of Oklahoma)
• “The Beginning of Diagrammatic Criticism: How Luca Pacioli Revised Diagrams in the 16th Century,” Eunsoo Lee (Stanford University)
• “Game Change: Mathematical Recreations in Post-Revolutionary France,” Melissa Lo (The Huntington Library)

Nation and Empire in the History of Science
Piedmont 6 (12th Floor)
Chair: Diane B. Paul (University of Massachusetts Boston)
• “The Development of Chemistry through Medicinal Plants in the National Medical Institute (1888-1915),” Liliana Schifter and Patricia Aceves Pastrana (Universidad Autónoma Metropolitana Xochimilco, Mexico)
• “Philippine Journal of Science and the Production of Scientific Knowledge during the Philippine Commonwealth, 1935-1941,” Jonathan Victor Baldoza (University of California, Berkeley)
• “The New ‘Historical Dictionary of Switzerland’: An Important Source for the History of Sciences to be Discovered,” Erwin Neuenschwander (University of Zurich)

Representation and Translation 1: Translation from Science to Mathematics
Ansley 3 (14th Floor)
This session is part of the Society for Science, Literature, and the Arts program.
Chair: Jay Labinger (California Institute of Technology)
• “Self Translations: Interactions of Mind and World,” Luis Arata (Quinnipiac University)
• “Empiricism in Translation: Discovering New Worlds with Fontenelle, Behn, and Glanvill,” Nicole Keller Day (Northeastern University)
• “Translating Molecules,” Jay Labinger (California Institute of Technology)
• “Reading Milton and Newton in the Radical Reformation: Mathematics and/as Metaphor,” Rachel Trubowitz (University of New Hampshire)

Roundtable: The Library and the Discipline in the Twenty-First Century
Augusta E (7th Floor)
This session is sponsored by the HSS Committee on Technology and Communication.
Organizer: Stephen Weldon (University of Oklahoma)
Chair: Benjamin Gross (Linda Hall Library)
• “The Librarian/Archivist for Medical History in Universities: A Resource for History of Science as well as History of Medicine,” Toby Appel (Yale University)
• “Unlocking Sources for Historians of Science: Digitization, Information Retrieval and Copyright Clearance,” Esther Chen (Max Planck Institute for the History of Science)
• “Transitioning Libraries from Repositories to Information Brokers: Implications for History of Science Referencing,” Daniel Goldstein (University of California, Davis)
• “Prioritizing Print in the Digital Age,” Benjamin Gross (Linda Hall Library)
• “The Role of Special Collections in 21st-Century Research Libraries,” Kerry Magruder (University of Oklahoma)
• “Bibliographical Data Sources for History of Science in Baltic Countries,” Birute Railiene (Wroblewski Library of the Lithuanian Academy of Sciences)
• “Summary: Building Pathways for Researchers in an Age of Information,” Stephen Weldon (University of Oklahoma)

Roundtable: Nuclear Memory
Chastain I (6th Floor)
Organizer: Douglas O’Reagan (Massachusetts Institute of Technology)
Chair: Jacob Hamblin (Oregon State University)
• “Remembering Nuclear Testing and Responding to Climate Change in the Marshall Islands,” Mary X. Mitchell (Cornell University)
Friday, November 4, 1:30 - 3:30 PM

• “Remembering Fallout,” Linda Richards (Oregon State University)
• “Commemoration and Clean-up: Public History and Local Memory around Hanford,” Douglas O’Reagan (Massachusetts Institute of Technology)
• “Who Remembers Global Fallout? The Challenge of Scale to Remembering the Dawn of the Nuclear Anthropocene,” Toshihiro Higuchi (Georgetown University)
• Commentator: Jacob Hamblin (Oregon State University)

Roundtable: Where Science and Medicine Meet
Piedmont 5 (12th Floor)
Organizer and Chair: Henry Cowles (Yale University)
• “Hunger,” Gabriela Soto Laveaga (Harvard University)
• “Nausea,” Michael Rossi (University of Chicago)
• “Habit,” Henry Cowles (Yale University)
• “State Violence,” Marco Ramos (Yale University)
• “Premature Death,” Wangui Muigai (Princeton University)

Science and the Political Imaginary in Twentieth-Century Europe and the U.S.
Piedmont 7 (12th Floor)
Chair: Jeffrey Johnson (Villanova University)
• “The Princess at the Conference: Science, Pacifism and Habsburg Society in Bertha von Suttner’s Der Menschheit Hochgedanken (1911),” Geert Somsen (Columbia University, Maastricht University, Max Planck Institute for the History of Science)
• “One Nation Under Quantification: Measuring Nazi-ness in Post-1945 Germany,” Crystal Lee (Massachusetts Institute of Technology)
• “If They Cannot Take it Straight, They Will Get it in Fiction: Communicating Fictional Truths during the Early Cold War,” Anna Dvorak (Oregon State University)
• “Politics, Deep Time, and the Future,” Matthias Dörries (University of Strasbourg)

Friday, November 4, 2:00 PM – 5:00 PM

NSF Speed Dating: Science, Technology and Society PLUS Cultivating Cultures for Ethical STEM
The Overlook (6th Floor)
Two NSF Program Officers, Fred Kronz and Wenda Bauchspies from SBE/SES, will be available to meet with potential PIs in 15 minutes increments. The goal is to provide potential PIs the chance to pitch their research idea, to ask informational questions, and to receive feedback on their projects for either the Science, Technology, and Society Program or Cultivating Cultures of Ethical STEM.
Sign-up sheets for scheduling appointments will be located in the registration area, near the NSF poster and table in The Overlook on the 6th floor. Meetings will take place in the same location.

3:30 PM – 3:45 PM

Coffee Break

Chastain Foyer (6th Floor), Augusta Foyer (7th Floor), Piedmont (12th Floor)
This coffee break is sponsored by David Kaiser, Germeshausen Chair funds, Massachusetts Institute of Technology.

3:45 PM – 5:15 PM

Lush Bodies of Romanticism 3: Demarcating Abundance

Ansley 4 (14th Floor)
This session is part of the Society for Literature, Science and the Arts program.

Chair: Stefani Engelstein (Duke University)

• “Blake’s ‘Vegetation’ and the Natural History of Fossil Plants,” Noah Heringman (University of Missouri)
• “The Laboratory of Nature: Schelling’s First Outline of a System of the Philosophy of Nature (1799),” Tilottama Rajan (University of Western Ontario)
• “Generative Knowledge: Outer Bounds,” Stefani Engelstein (Duke University)

Roundtable: Aesthetics, Methods, and Materialities in – and beyond – Eighteenth-Century Science

Peachtree 1 (8th Floor)
This session is part of the Society for Literature, Science and the Arts program.

Moderator: Laura Miller (University of West Georgia)
Participants:
• Jason Pearl (Florida International University)
• Laura Miller (University of West Georgia)
• Aaron Santesso (Georgia Institute of Technology)
• David Rosen (Trinity College)
• Rajani Sudan (Southern Methodist University)

3:45 PM – 5:45 PM

Abacuses, Newspapers, and First Dates: Scientific and Scientistic Applications of Computing in the Twentieth Century

Piedmont 5 (12th Floor)

Organizer: Marie Hicks (Illinois Institute of Technology)
Chair: Audra Wolfe (Independent Scholar)

• “Garbage in, Garbage out? Default Representations of Computers in Popular Media,” James Sumner (University of Manchester)
• “Abacus Computing in the Age of Electronics: Sekiko Yoshida and the Early U.S. Space Program,” Eileen Clancy (The Graduate Center of the City University of New York)
• Commentator: Peter Collopy (University of Southern California)

Case Closed? The Promises and Limits of Case Methods in the History of the Mathematical Sciences

Chastain F (6th Floor)
This session is sponsored by the Forum for the History of the Mathematical Sciences.

Organizer: Theodora Dryer (University of California, San Diego)
Chair: Michael J. Barany (Dartmouth College)

• “Limiting Cases: Toward and Against a Case Methodology for the History of Mathematics,” Michael J. Barany (Dartmouth College)
• “Mathematical Planning During WWII: The Case of Confidence Bombing,” Theodora Dryer (University of California, San Diego)

Confessionalized Medicine?: Religious Identity and Medical Knowledge in the Medieval and Early Modern World

Piedmont 7 (12th Floor)
Organizers: Hannah Marcus (Harvard University) and Tricia Ross (Duke University)
Chair: Edna Bonhomme (Princeton University)

- “Prophetic Medicine: Piety, Medicine and Patienthood in the Medieval Islamicate Context,” Ahmed Ragab (Harvard University)
- “‘Anthropologia’: Anatomy, Medicine, and Theology in in Early Modern Lutheranism,” Tricia Ross (Duke University)
- “Prohibited Medicine: Catholic Censorship and Confessional Identity in Counter-Reformation Europe,” Hannah Marcus (Harvard University)
- “Was There Such a Thing as ‘Jewish Medicine’ in Early Modern Europe?” Andrew Berns (University of South Carolina)

New Approaches to the Study of Early Modern Material Texts

**Piedmont 8 (12th Floor)**

Organizer: Daniel Margócsy (University of Cambridge)

Chair: Kelly J. Whitmer (Sewanee: The University of the South)

- “Forging the Moon: Or, How to Spot a Fake Galileo,” Nick Wilding (Georgia State University)
- “Problems of Beauty and Utility in British Anatomical Publication, 1700-1750,” Alexander Wragge-Morley (University of Cambridge)
- “Relocating the Early Qing in the Global History of Science: The Manchu Translation of the 1603 World Map by Li Yingshi and Matteo Ricci,” Flo-rin-Stefan Morar (Harvard University)

Performance and/as Pedagogy in the Physical Sciences

**Chastain I (6th Floor)**

This session is sponsored by the Physical Sciences Forum.

Organizer: Aimee Slaughter (Los Alamos Historical Society and Museum)

Chair: Babak Ashrafi (Consortium for History of Science, Technology and Medicine)

- “Performing the Manhattan Project in Los Alamos,” Aimee Slaughter (Los Alamos Historical Society and Museum)
- “The Atomic Salon: Post-World War II Public Lectures by Atomic Scientists,” Bonnie Gidzak (University of Minnesota)
- “Illustrating the Spacearium: Planetarium Art at the U.S. National Air and Space Museum,” Matthew Shindell (Smithsonian National Air and Space Museum) and Lois Rosson (University of California, Berkeley)

- “Building the Table: The Use of Three-Dimensional and Interactive Periodic Tables in Chemical Education,” Ann E. Robinson (University of Massachusetts Amherst)

The Quest for Universal Language

**Chastain G (6th Floor)**

Organizer: Whitney Laemmli (Columbia University)

Chair: Jenna Tonn (Harvard University)

- “The Road to Gloro: Constructed Languages and Positivism from Esperanto to Interlingua,” Michael D. Gordin (Princeton University)
- “When Words Fail: A Universal Language of the Body in a World at War,” Whitney Laemmli (Columbia University)
- “The QED Manifesto: In Pursuit of a Universal Language for Mathematics,” Stephanie Dick (Harvard University)

Roundtable: History of Science in a World of Readers: Reflections from the MPIWG Chinese Translation Project

**Augusta B (7th Floor)**

Organizer and Chair: Angela Creager (Princeton University)

- “Frames of References in the History of Science: China and the Rest,” Dagmar Schäfer (Max Planck Institute for the History of Science)
- “Rereading and Rethinking the History of Science,” Lorraine Daston (Max Planck Institute for the History of Science)
- “Translating Histories of Science,” Florence Hsia (University of Wisconsin–Madison)
- “The Potential Impact and Future Possibilities of the MPIWG Reader Project in the Chinese-Speaking World,” Kevin Chang (Academia Sinica, Taiwan)
- “U.S. Cultural Diplomacy, Translation, and Latin America, in Perspective,” Edna Suárez Diaz (Universidad Nacional Autónoma de México)

Roundtable: Science and Cosmopolitanism in Asia

**Augusta E (7th Floor)**

Organizer: Somaditya Banerjee (University of Idaho)

Chair: Lewis Pyenson (Western Michigan University)
Participants:

- Hiromi Mizuno (University of Minnesota)
- Lijing Jiang (Yale University)
- Hyung Wook Park (Nanyang Technological University)
- Christine Yi Lai Luk (University of Hong Kong)
- Commentator: Lewis Pyenson (Western Michigan University)

Roundtable: The Making of a Historian of Women in Science: Marilyn Bailey Ogilvie at 80

Chastain H (6th Floor)
Organizer: Pnina G. Abir-Am (WSRC, Brandeis University)
Chair: Margaret W. Rossiter (Cornell University)

- “Women Historians of Science during and prior to the 1970s,” Sally G. Kohlstedt (University of Minnesota)
- “Marilyn Bailey Ogilvie as Curator, Teacher, and Mentor at University of Oklahoma's History of Science Department and Library,” Kerry V. Magruder (University of Oklahoma)
- Commentator: Marilyn B. Ogilvie (University of Oklahoma)

Science and the State in China, Mexico, and the U.S.

Piedmont 6 (12th Floor)
Chair: Megan Raby (University of Texas at Austin)

- “Fighting Opium Addiction in Nineteenth Century China and Curing the Country,” Yang Li (University of California, Riverside)
- “A Living History of Past Offenses: Scientific Studies of Juvenile Crime in Postrevolutionary Mexico City,” Shari Orisich (Coastal Carolina University)
- “Dietary Mobilization: China’s Total War and the Techno-Politics of Food,” Seung-joon Lee (National University of Singapore)

6:00 PM – 7:15 PM

HSS Distinguished Lecture
Savannah Ballroom (10th Floor)

Evelynn Hammonds, Harvard University


Introduction by Janet Browne (Harvard University)

In 1939, the great African American intellectual and scholar W. E. B. DuBois published an essay in the American Scholar entitled “The Negro Scientist.” DuBois wrote this essay in response to the statements made by a prominent white American scientist who had publicly noted how few African Americans had made their mark in science. The scientist had stated that "Negroes had made their mark in music, literature and on the stage, in painting and in some departments of public life, but not often in the exact sciences.” DuBois’s answer to this question addresses some of the most vexed historical and contemporary issues concerning the persistent under-representation of native-born U.S. African Americans, Native Americans and Latino Americans in the U.S. scientific and technical workforce from the early 20th century to the present. This talk explores a number of questions with respect to the history of African Americans in U.S. science: why has the inclusion of African Americans into scientific and engineering communities in the U.S. been so difficult? What is it about the way scientists are educated in the U.S. that has led to the systematic under-representation and under-utilization of African Americans in scientific and technical fields? How is the under-representation of African Americans connected to the success of American science and technology? To say it differently: have some exclusions – like those of gender and race – been productive for the U.S. scientific and technical workforce? Why has the study...
of “race” itself received so little attention in the history of science? And lastly, as Nancy Stepan and Sander Gilman asked over twenty years ago, why is it we know so little about the lived experiences of scientists of color and their responses to the claims made about them in the name of science.

**7:30 PM – 8:30 PM**

**Joint Reception and Poster Session**

*Peachtree Ballroom (8th Floor)*

Join your colleagues from HSS, PSA, and SLSA for light hors d’oeuvres, cash bar, and enjoy dozens of poster presentations from all three organizations.

The HSS poster session is sponsored by the School of History and Sociology at the Georgia Institute of Technology.

**HSS Poster Presentations**

- “Meteorological Pluralism: Mapping Techniques of Weather Forecasting in Interwar Europe (1919-1939),” Angelo Matteo Caglioti (University of California, Berkeley)
- “From Compass and Straightedge to Infinity: How a New Geometry Laid the Groundwork for the Scientific Revolution,” Adam Fix (University of Minnesota)
- “Intervention and Instinct: the Nineteenth Century Origins of Polarity in Obstetrics and Midwifery,” Jessica Hauger (University of Alabama)
- “Mapping Developmental Disabilities: Models for Localizing Causes and Management,” Andrew J. Hogan (Creighton University)
- “Mapping the Fringes, Re-centering Europe: Alchemical Exchange before Rudolf II,” Agnieszka Rec (Chemical Heritage Foundation)
- “A Voyage to the Islands,” Claire Sabel (Columbia University) and Ina Van debroek (New York Botanical Garden)
- “Enlightened Fish Books: Knowing the World Underwater in Eighteenth Century Europe,” Didi van Trijp (Leiden University)
- “A V oye to the Islands,” Claire Sabel (Columbia University) and Ina V an debroek (New York Botanical Garden)
- “OSIRIS Editorial Board Meeting,” Claire Sabel (Columbia University) and Ina V an debroek (New York Botanical Garden)
- “OSIRIS Editorial Board Meeting,” Claire Sabel (Columbia University) and Ina V an debroek (New York Botanical Garden)

**NSF Speed Dating: Science, Technology and Society PLUS Cultivating Cultures for Ethical STEM**

*8th Floor Terrace*

Two NSF Program Officers, Fred Kronz and Wenda Bauchspies from SBE/SES, will be available to meet with potential PIs in 15 minute increments. The goal is to provide potential PIs the chance to pitch their research idea, to ask informational questions and to receive feedback on their projects for either the Science, Technology, and Society Program or Cultivating Cultures of Ethical STEM.

Sign-up sheets for scheduling appointments will be located in the registration area, near the NSF poster and table in the Chastain Foyer on the 6th Floor.

**8:00 PM – 10:00 PM**

**Film Screening: Containment**

*Savannah Ballroom (10th Floor)*

Directed by Peter Galison and Robb Moss (Harvard University)

Can we contain some of the deadliest, most long-lasting substances ever produced? Left over from the Cold War are a hundred million gallons of radioactive sludge, covering vast radioactive lands. Governments around the world, desperate to protect future generations, have begun imagining society 10,000 years from now in order to create monuments that will speak across the time. Part observational essay filmed in weapons plants, Fukushima and deep underground—and part graphic novel—*Containment* weaves between an uneasy present and an imaginative, troubled far future, exploring the idea that over millennia, nothing stays put.

**SATURDAY, NOVEMBER 5**

**7:30 AM – 8:45 AM**

**Committee on Advocacy Meeting**

*The Café (5th Floor)*

**Committee on Education and Engagement Meeting**

*The Café (5th Floor)*

**Committee on Technology and Communication Meeting**

*The Café (5th Floor)*

**Osiris Editorial Board Meeting**

*The Café (5th Floor)*
8:15 AM – 8:45 AM

HSS at Work Business Meeting
Augusta E (7th Floor)
Refreshments will be served.
Please see p. 18 for more information on HSS at Work.

8:30 AM – 10:00 AM

Crafting Science and the Science of Craft in the Long Eighteenth Century
Ansley 8 (14th Floor)
This session is part of the Society for Literature, Science, and the Arts program.
Chair: Crystal B. Lake (Wright State University)
• “Tacit Knowledge in the Eighteenth Century,” Sean Silver (University of Michigan)
• “The Art and Science of Eighteenth-Century Paper Crafts,” Crystal B. Lake (Wright State University)
• “So Ready at My Hand: Craft and Comfort in Robinson Crusoe,” Sarah Tindal Kareem (University of California, Los Angeles)
• “The Inherent Objectness of Destruction within Creation,” Courtney Ryan (Georgia Southern University)

Natural Knowledge, Environment, and Survival in the 18th and 19th Century Circum-Caribbean World
Ansley 7 (14th Floor)
This session is part of the Society for Literature, Science, and the Arts program.
Chair: Susan Scott Parrish (University of Michigan)
• “Experimenting with Nature: Food, Drink, and Pests in the British West Indies,” Katherine Johnston (Loyola University Maryland)
• “Sovereignty and Botany in the American Tropics,” Elaine LaFay (University of Pennsylvania)
• “Botanic Knowledge and Civil War,” Lauren LaFauci (Linköping University)

9:00 AM – 11:45 AM

Coffee Break 10:00 - 10:15 AM
Chastain Foyer (6th Floor), Augusta Foyer (7th Floor), Piedmont (12th Floor)

Binaries, Scales, and Other Modes of Classification in the Social and Life Sciences
Piedmont 8 (12th Floor)
Organizer: Tabea Cornel (University of Pennsylvania)
Chair: Howard Kushner (Emory University)
• “Traversing the Boundary: Monstrosity, Race, and Organic Change, 1800-1850,” Sara Ray (University of Pennsylvania)
• “Half-Sighted: A History of Neglect Syndrome at the Crossroads of Neurology and Phenomenology,” Scott Phelps (Wesleyan University)
• “The New Race Typing: Serological Genetics at the Mid-Century,” Michell Chresfield (University of Pittsburgh)
• “Left, Right, Mixed, or Scaled? Genetic Theories of Handedness and Dexterity Questionnaires in Britain, 1950s–1980s,” Tabea Cornel (University of Pennsylvania)
• Commentator: Howard Kushner (Emory University)

Confucian Literati as Producers and Purveyors of Natural and Technological Knowledge: An Exploration into the Cultural Ecology of Early Modern East Asia
Chastain F (6th Floor)
Organizer: Qiong Zhang (Wake Forest University)
Chair: Martina Siebert (State Library Berlin)
• “From Luxe Huitong to Qihua Qianliu: Xue Fengzuo’s System of Integrat-
ing Humanity with Heaven by Numbers,” Zhu Haohao (Friedrich-Alexander-Universität Erlangen-Nürnberg)

- “Even Things Are Like This (物犹如此, Wú You Ru Cí): A Record of A Highly Anthropomorphic Animal Culture in Qing China,” Qianjin Wang (University of Chinese Academy of Sciences)

- “A Scholar among the People?: Xie Zhaozhe, a Late Ming Ethnographer and Curator of Bowu Knowledge,” Qiong Zhang (Wake Forest University)

- “Traveler’s Authority and the Rhetoric of Non-persuasion: Pak Chega’s Use of His Travel to China in Late Eighteenth-Century Korea,” Jongtae Lim (Seoul National University)

- Commentator: Martina Siebert (State Library Berlin)

**Data in Time: The Epistemology of Historical Data**

**Piedmont 2 (12th Floor)**

This session is part of the Philosophy of Science Association Program.

Chair: James McAllister (University of Leiden)

- “Times-Scales of Data Use: On the Life Cycles, Ontology and Understanding of Biological Data,” Sabina Leonelli (University of Exeter)

- “Legacy Data, Radiocarbon Dating and Robustness Reasoning,” Alison Wylie (University of Washington, Durham University)

- “Visualization, Narrative, and Historical Data: Paleontology in the 19th Century,” David Sepkoski (Max Planck Institute for the History of Science)

- “Preserving and Re-using Case Reports: On Data Standardization in Medicine,” Rachel Ankeny (University of Adelaide)

- Commentator: James McAllister (University of Leiden)

**Galileo and Philosophy of Science**

**Piedmont 3 (12th Floor)**

This session is part of the Philosophy of Science Association program.

Chair: Joseph Pitt (Virginia Tech)

- “Galileo’s Models of Intelligibility,” Peter Machamer (University of Pittsburgh)

- “Galilean Idealization and the Inertial Principle,” Maarten Van Dyck (Ghent University)

- “Galileo on the Power and Limits of Thought Experiments,” Carla Rita Palmerino (Radboud University, Nijmegen)

- “Models of Intelligibility in Galileo’s Mechanical Science,” David Marshall Miller (Iowa State University)

- Commentator: Rebecca Slayton (Cornell University)

- “Euler’s Galilean Philosophy of Science,” Brian Hepburn (Wichita State University)

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**Imagining Difference and Desire in Global Sexual Science, 1880-1950**

**Piedmont 7 (12th Floor)**

Organizer: April Trask (Amherst College)

Chair: Vernon Rosario (University of California, Los Angeles)

- “Sex and the Philology of Difference,” Durba Mitra (Fordham University)

- “The King’s Queer Body: Gregorio Marañón’s Exhumation of Enrique IV, a Fifteenth-Century Castilian Monarch, 1930-1950,” Kurt MacMillan (California State Polytechnic University, Pomona)

- “Evidence of Difference: The Erotics of the Racial Other in German Sexual Science, 1880-1933,” April Trask (Amherst College)

- Commentator: Scott Spector (University of Michigan)

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**Materiality and Visualization in the Long History of Computation**

**Chastain H (6th Floor)**

Organizers: Gerardo Con Diaz (University of California, Davis) and Joy Rankin (Michigan State University)

Chair: Rebecca Slayton (Cornell University)

- “Artisanal Mathematics,” Paola Bertucci (Yale University)

- “American Patent Law and the Materiality of Computation,” Gerardo Con Diaz (University of California, Davis)

- “Thinking with Flow Charts: Pedagogy and the Practice of Computing,” Joy Rankin (Michigan State University)

- “Visualizing Data and Augmenting Cognition from John Tukey to ggplot2,” Matthew Jones (Columbia University)

- Commentator: Rebecca Slayton (Cornell University)

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**On Becoming “Scientific” Objects: Descriptions, Retrospectively Applied**

**Augusta B (7th Floor)**

Organizer: Jonathan Grunert (Virginia Tech)

Chair: Tina Gianquitto (Colorado School of Mines)

- “Patronage, Naturalia, and Tangible Legacy: Mercantile and Courty Ways of Representing Nature in William Harvey’s Bequest to the Royal College of Physicians,” Michael Neuss (Duke University)
• “Preserving Plants and Information: Changing Criteria,” Maura Flannery (St. John’s University)
• Commentator: Tina Gianquitto (Colorado School of Mines)

Postcolonial Scientific Communities, Networks, and Nations
Piedmont 5 (12th Floor)
Organizers: Eli Nelson and Elise Burton (Harvard University)
Chair: Elise Burton (Harvard University)
• “Physics from the Soviets: African Independence, the Cold War, and Nuclear Power in Ghana,” Abena Osseo-Asare (University of Texas at Austin)
• “Bordering Imagination: Mapping Meridians as Nerves in 20th Century China,” Lan Li (Massachusetts Institute of Technology)
• “Living Monuments: Imagining Ancient Gene Pools in the Middle East,” Elise Burton (Harvard University)
• Commentator: Rachel Berger (Concordia University)

Private Science: Non-State Actors in Advancing Natural History and Archaeology
Piedmont 6 (12th Floor)
Organizer and Chair: Darryl Brock (Borough of Manhattan Community College, City University of New York)
• “Beebe in Haiti in 1927: The Modern Natural History Expedition,” Katherine Anderson (York University)
• “Private New York Science: Colonial Expeditions and Puerto Rican Archaeology,” Darryl Brock (Borough of Manhattan Community College, City University of New York)
• “Private Archaeology: Mexico’s Casas Grandes and Charles Di Peso,” David McIntosh (University of California, Santa Barbara)
• “Swimming Under the Archetype: Private Actors in Undersea Science,” Helen Rozwadowski (University of Connecticut – Avery Point)
• “21st-Century Wildlife Filmmaking as Natural History Expedition,” Eleanor Louson (York University)
Health,” Rachel Rothschild (New York University)

- “Project Sunshine: Hegemonic Globalism of Cold War America and the Unsettling Identity of Radioactive Fallout,” Toshihiro Higuchi (Georgetown University)
- Commentator: Angela Creager (Princeton University)

CV Review
Chastain Foyer (6th Floor)

9:00 AM – 1:00 PM

Creative Mediations: History, Science, and Their Publics
Ansley 7 (14th Floor)

This session is part of the Society for Literature, Science, and the Arts program.
Chair: Pamela Gossin (University of Texas at Dallas)
- “Under Construction: Unexpected History of Science in a Digital Humanities Archive,” Pamela Gossin (University of Texas at Dallas)
- “Lady Science: Women and Gender Studies on the Open Web,” Leila A. McNeill (Independent Scholar) and Anna Reser (University of Oklahoma)
- “The Korl Woman as a Locus of Public Complicities,” Xtine Burrough (University of Texas at Dallas)
- “The CSI Effect: Are Jurors Starstruck by Forensic Science?” Anna Swartz (Michigan Technological University)

Vibrant Machinery: Troubling Mechanism and Motion in the Eighteenth Century
Ansley 3 (14th Floor)

This session is part of the Society for Literature, Science, and the Arts program.
Chair: Kevin MacDonnell (Rice University)

- “What is Mechanism and Why Does it Matter?” Sarah Ellenzweig (Rice University)
- “Narrative Form and Parallel Motion,” Kevin MacDonnell (Rice University)
- “Novel Machines in Eighteenth-Century Britain,” Joseph Drury (Villanova University)
- “Mechanism and Alchemy?” Helen Thompson (Northwestern University)

12:00 PM – 1:15 PM

Roundtable: Historians, Philosophers, and the AAAS Science and Technology Policy Fellowship
Chastain G (6th Floor)

Organizer: Melinda Gormley (University of California, Irvine)
Chair: Janet Browne (Harvard University)
- “History, Policy, and Ethics at the Environmental Protection Agency,” Melinda Gormley (University of California, Irvine)
- “When History Meets the ‘Endless Frontier’: A Historian’s Journey Inside NSF,” Elise Lipkowitz (National Science Foundation)
- “EPA and Chemical Safety for Sustainability,” Daniel Hicks (American Association for the Advancement of Science)
- Commentator: Melinda Gormley (University of California, Irvine)
Graduate and Early Career Caucus Meeting  
Chastain F (6th Floor)

See p. 18 for more information on the Graduate and Early Career Caucus.

How Do I ‘Do’ Socially Engaged Philosophy and History of Science? Lessons from Experienced Colleagues  
Augusta E (7th Floor)

This session is sponsored by the Joint Caucus of Socially Engaged Philosophers and Historians of Science and supported by The Center for Science and Society at Columbia University.

The Joint Caucus on Socially Engaged Philosophy and History of Science (JCSEPHS) invites you to a ‘mentoring’ event, which aims to allow anyone interested in learning more about various aspects of socially engaged philosophy and history of science to meet with those with experience to discuss social engagement in the context of PHS. The format will allow rotation between mentors over the course of the event, with various themes elected as key discussion points (but flexibility as to letting the discussion flow!). Themes include: translating your research to engage with lawmakers/politicians and affect policymaking; how to publish scholarly articles that can contribute to social engagement in PHS; non-academic career pathways utilizing socially-engaged history/philosophy of science; alternative ways of publishing and conveying ideas regarding social engagement activities (e.g., social media); and how to get grant, philanthropic, or other funding to support social engagement activities.

The session will begin with a short business meeting for the caucus (10 minutes) followed by the mentoring session. Please bring your lunch. All are welcome to attend!

Please see p. 19 for more information on the Joint Caucus of Socially Engaged Philosophers and Historians of Science.

12:00 PM – 2:00 PM

Finance Committee Meeting  
Chastain B (6th Floor)

12:00 PM – 3:00 PM

Committee on Publications Meeting  
Chastain A (6th Floor)

1:30 PM – 3:30 PM

Histories of Plant Exploration and Exchange in the Twentieth and Twenty-first Centuries  
Piedmont 6 (12th Floor)
Organizer: Helen Anne Curry (University of Cambridge)  
Chair: Courntey Fullilove (Wesleyan University)

- “Indigenous Innovation Through Crisis: Growing Rice in Kerala, India,” Xan Chacko (University of California, Davis)
- “From the World Germplasm Project to the Global Seed Vault: Agricultural Modernization and Genetic Conservation at the Rockefeller Foundation,” Helen Anne Curry (University of Cambridge)
- “Hybrid Narratives?: Archives and Seed Experimentation in Twentieth Century Mexico,” Gabriela Soto Laveaga (Harvard University)
- Commentator: Courntey Fullilove (Wesleyan University)

Hybrid Science: Racial Science across Borders and Disciplines in the Nineteenth Century  
Augusta B (7th Floor)
Organizer: Christopher Willoughby (Tulane University)  
Chair: Suman Seth (Cornell University)

- “Educating the Senses: Race and the Science of Anatomy in the Mid-Nineteenth-Century United States,” Christopher Willoughby (Tulane University)
- “‘The Terrors of the Climate’: Medicine, Politics, and Race in Early Nineteenth-Century Sierra Leone,” Sean Morey Smith (Rice University)
- “Racial Science as the Re-occupation of Christian Supersessionism,” Terence Keel (University of California, Santa Barbara)
- “Mad with Freedom: The Political Economy of Blackness, Insanity and Civil Rights in the 19th Century,” Élodie Grossi (University of California, Los Angeles, Université Paris Diderot)

Images in Professional and Popular Science  
Piedmont 8 (12th Floor)
Chair: Pamela Henson (Smithsonian Institution)

- “Visualizing the Eye in Sixteenth-Century Anatomy, Mathematics, and Natural Philosophy,” Tawrin Baker (Huntington Library)
Saturday, November 5, 1:30 - 3:30 PM

Reading Science in the Atlantic World, 1500-1800

Piedmont 7 (12th Floor)

Organizer: Laura Miller (University of West Georgia)
Chair: Abigail Dowling (Mercer University)

- “At the Corner of Enlightenment and Mysticism: Francis Daniel Pastorius’s Medicine Book and Agricultural Primer,” Patrick Erben (University of West Georgia)
- “Reading as Doing: Anatomy Textbooks as How-To Manuals,” Anita Guerri-ni (Oregon State University)
- “Reading Science in New York, 1789–1805,” Laura Miller (University of West Georgia)

Roundtable: An American Mathematical Community at War (1941-1945)

Augusta E (7th Floor)

Organizer and Chair: Brittany Shields (University of Pennsylvania)

- “The American Mathematical Society and the Mathematical Association of America: Mobilizing Mathematicians for World War II,” Karen Parshall (University of Virginia)
- “Healthy Numbers in War and Peace,” Christopher Phillips (Carnegie Mellon University)
- “‘To Build Up’: Emil Artin and Class Field Theory Come to America,” Della Dumbaugh (University of Richmond)
- “Defense Training: Mathematics during the Second World War,” Brittany Shields (University of Pennsylvania)
- Commentator: Emily Redman (University of Massachusetts Amherst)

Roundtable: Performing Science

Chastain H (6th Floor)

This session is sponsored by the HSS Women’s Caucus.

Saturday, November 5, 1:30 - 3:30 PM

Organizer: Marsha Richmond (Wayne State University)
Chair: Karen Rader (Virginia Commonwealth University)

- “Evolving out of Oppression?: Science, Feminism, and Utopian Fiction,” Tina Gianquinto (Colorado School of Mines)
- “Imagining Mutant Futures,” Jim Endersby (University of Sussex)
- “Performing ‘Trig’: The Stakes of Embodies Mathematics in Student Plays,” Andrew Fiss (Michigan Technological University)
- “Performing Women in Genetics,” Marsha Richmond (Wayne State University)

Roundtable: Science Studies and LGBTQ+ Activism Inside and Outside the Academy

Chastain I (6th Floor)

Organizer: Donald Opitz (DePaul University)
Chair: Luis Campos (University of New Mexico)

- “Essential(ist) Tensions between Science, LGBTQ Studies, and LGBTQ Activism,” Donald Opitz (DePaul University)
- “When the Historical is Personal: Queer Families and the Law,” Susan Rens- ing (University of Wisconsin–Oshkosh)
- “HSS and LGBT(Q) Issues: From New Orleans to Atlanta,” Garland Allen (Washington University in St. Louis)
- “Queering Scientific Journalism: Some Reflections on How to Bring Queer/ Cuir History into a Larger Audience,” Fabrizzio McManus (Universidad Nacional Autónoma de México)
- Commentator: Luis Campos (University of New Mexico)

Roundtable: Transnational History and International Security: New Trajectories and Opportunities

Chastain F (6th Floor)

Organizer: Jayita Sarkar (Massachusetts Institute of Technology)
Chair: John Krige (Georgia Institute of Technology)

- “German Émigré Scientists and Engineers and Aeronautics in India,” Jahnavi Phalkey (King’s College London)
- “Scientists in Charge: The Political History of the IAEA’s Scientific Advisory Committee, 1958-1988,” Elisabeth Roehrlich (University of Vienna)

This session is sponsored by the HSS Women’s Caucus.
Saturday, November 5, 1:30 - 3:30 PM

- “It’s the Plutonium, Stupid! The French Role in India’s Nuclear Program,” Jayita Sarkar (Massachusetts Institute of Technology)
- “Site and Scale: Global Science and India’s Rocket Program,” Asif Siddiqi (Fordham University)
- “Nuclear Ships of States: Strategic Weapons and Redefinitions of Authority,” Alex Wellerstein (Stevens Institute of Technology)

Science, Occultism and the Arts 3: Scientific Occultism in Art and Culture in Early 20th-Century Russia and Germany
Ansley 5 (14th Floor)

This session is part of the Society for Literature, Science, and the Arts program.
Chair: Linda Dalrymple Henderson (University of Texas at Austin)
- “Alchemy of Word and Image: Transforming Alchemical Narrative in the Russian Avant-garde,” Nina Gourianova (Northwestern University)
- “Die Uebersinnliche Welt and the Occult Contexts of Edvard Munch and Wassily Kandinsky,” Linda Dalrymple Henderson (University of Texas at Austin)
- “Re-enchanting the Farm: Biodynamics in Interwar Germany,” Corinna Treitel (Washington University in St. Louis)

Technology, Technoscience, and Society in the 19th and 20th Centuries
Chastain G (6th Floor)

Chair: Roger Launius (Smithsonian Institution)
- “Forensic Identification in the 1947 Texas City Disaster Morgue,” Vicki Daniel (University of Wisconsin–Madison)
- “When Science Became a Machine: The Space Shuttle as Laboratory and Launch Pad,” Matthew Hersch (Harvard University)

Twentieth-Century Social Sciences
Piedmont 5 (12th Floor)

Chair: Elizabeth Lunbeck (Harvard University)
- “The Marsupial in the Asylum: Towards a Neuropathology of Instincts (1956-1967),” Kathryn Schoefert (King’s College London)

3:30 PM – 3:45 PM

Coffee Break
Chastain Foyer (6th Floor), Augusta Foyer (7th Floor), Piedmont (12th Floor)

This coffee break is sponsored by the University of Chicago Press.

3:45 PM – 5:15 PM

Natural Kinds: The Case of Species
Piedmont 3 (12th Floor)

This session is part of the Philosophy of Science Association program.
Chair: Phillip Honenberger (Dartmouth College)
- “Eliminative Pluralism: The Case of Species,” Matthew Barker (Concordia University)
- “Scientific Realism and Historical Essences: The Case of Species,” Marion Godman (Helsinki University)
- “Aristotelian Species Pluralism,” Justin Bzovy (Western University)

3:45 PM – 5:45 PM

Mathematics and the Shapes of Modernity
Augusta E (7th Floor)

Organizer: Amir Alexander (University of California, Los Angeles)
Chair: Raz Chen-Morris (Hebrew University of Jerusalem)
- “Utopian Optics and the Contingency of Human Affairs in Early Modern Europe,” Raz Chen-Morris (Hebrew University of Jerusalem)
- “The Contingency of Mathematical Laws: Robert Hooke and his ‘Principles of Congruity and Incongruity,’” Ofer Gal and Cindy Hodoba Eric (University of Sydney)
Saturday, November 5, 3:45 - 5:45 PM

Methods and Models in Modern Science
Piedmont 8 (12th Floor)
Chair: Nancy Hall (University of Delaware)

- “Between Inner and Outer Worlds. The Processual Order of Living Systems in the Agent Models of Cuvier, Hufeland and Cabanis,” Tobias Cheung (Humboldt University, Berlin)
- “WWI and the Impact Hypothesis for Lunar Crater Formation,” Margaret Rosenberg (Independent Scholar)
- “Georges Lemaître and Observations in Relativistic Cosmological Model Building,” Siska De Baerdemaeker (University of Pittsburgh)

Race, Ethnicity, and Indigeneity in Anthropology, 1870-Present
Piedmont 5 (12th Floor)
Chair: Debbie Weinstein (Brown University)

- “Gentlemen and Savages in the Travel Writing of Lucio V. Mansilla and Ramón Lista,” Ashley Kerr (University of Idaho)
- “Reinventing American Physical Anthropology in the 1940s-50s,” Ageliki Lefkaditou (University of Oslo, Norwegian Museum of Science and Technology)

Roundtable: Becoming a Teacher-Scholar: History of Science Pedagogy and the Early Careerist
Augusta B (7th Floor)
This session is sponsored by the Graduate and Early Career Caucus.
Organizer and Chair: Courtney Thompson (Mississippi State University)

- “The First Year on the Tenure Track,” Robin Wolfe Scheffler (Massachusetts Institute of Technology)

Roundtable: Chemistry, Physics, and the Space in Between
Chastain G (6th Floor)
This session is co-sponsored by the Forum for the History of the Chemical Sciences and the Physical Sciences Forum.
Organizers: Amy Fisher (University of Puget Sound) and Yoshiyuki Kikuchi, (Tokyo University of Foreign Studies)
Chair: Mi Gyung Kim (North Carolina State University)
Participants:
- Lawrence M. Principe (Johns Hopkins University)
- Andrea Woody (University of Washington)
- Mark Waddell (Michigan State University)
- Michael D. Gordin (Princeton University)
- Amy Fisher (University of Puget Sound)
- Buhm Soon Park (Korea Advanced Institute of Science and Technology)

Roundtable: Environmental History & History of Science: Tensions and Overlaps
Chastain I (6th Floor)
Organizer and Chair: Lukas Rieppel (Brown University)

- “Assembling Prehistory,” Lukas Rieppel (Brown University)
- “Technical Lands,” Peter Galison (Harvard University)
- “Bringing Scientists Down to Earth,” Ashanti Shih (Yale University)
- “The Materialization of Ecosystems,” Laura J. Martin (Harvard University)
- “Sciences of History as Sciences with History,” Alistair Sponsel (Vanderbilt University)
Roundtable: Expectations and Useful Knowledge in Eighteenth-Century Knowledge Economies  

Piedmont 6 (12th Floor)  
Organizer: Kelly J. Whitmer (Sewanee: The University of the South)  
Chair: Daniel Margócsy (University of Cambridge)  
- “What Did It Mean to Be a Baconian? The Fate of Desiderata in the Eighteenth Century,” Vera Keller (University of Oregon)  
- “Useful Knowledge and Educational Reform: Creating a Culture of Improvement in the Early Eighteenth Century,” Kelly J. Whitmer (Sewanee: The University of the South)  
- “Improvement and the Economic Enlightenment: Placing Agriculture in the Knowledge Landscape of the Eighteenth Century,” Denise Phillips (University of Tennessee)  
- “Selling Visions: Kantianism and Cameralism Realised through Encyclopediae in Germany and Beyond,” Robert Bud (The Science Museum, London)  
- Commentator: Larry Stewart (University of Saskatchewan)

Science and Empire, Russian Style  

Chastain F (6th Floor)  
Organizer and Chair: Clare Griffin (Max Planck Institute for the History of Science)  
- “Dangerous Drugs? Public Health in Early Imperial Moscow,” Clare Griffin (Max Planck Institute for the History of Science)  
- “Is the Bashkir Trustworthy or a Trickster? Ethnic Diversity and Natural Knowledge in the Eighteenth-Century Urals,” Anna Graber (Harvard University)  
- Commentator: Harold Cook (Brown University)

Vernacular Knowledge and Learned Tradition in Early Modern England: Movement, Practice, Reception  

Piedmont 7 (12th Floor)  
Organizer: Katherine Walker (University of North Carolina at Chapel Hill)  
Chair: Melissa Reynolds (Rutgers, The State University of New Jersey)  
- “Threads of Time and Strands of Silk: Popular Magic, Astrological Expertise, and Women’s Textile Work in Early Modern England,” Melissa Reynolds (Rutgers, The State University of New Jersey)  
- “Experiential and Pre-Experimental Shakespeare,” Katherine Walker (University of North Carolina at Chapel Hill)  

Where in the History of Science is Environmental Impact Assessment?  

Chastain H (6th Floor)  
Organizer: Andrew Stuhl (Bucknell University)  
Chair: Joel Hagen (Radford University)  
- “Ecosystem Restoration and the EIA Process: A Case Study in Olympic National Park,” Kelsey Matson (Montana State University)  
- “Federal Scientists’ Role in Defining the Environment: From Pollution Control to Environmental Assessment,” Jongmin Lee (University of Virginia)  
- “‘Off and Running at Argonne’: Environmental Research and the Environmental Statement Project at Argonne National Laboratory in the 1970s,” Judy Johns Schloegel (Independent Scholar)  
- “Environmental Assessment, Environmental Control: Inuit, Federal Governments, and the Epistemic Spaces of Arctic Offshore Oil Development,” Andrew Stuhl (Bucknell University)

HSS Prize Ceremony  

Peachtree C (8th Floor)  

Tyndall Correspondence Project/University of Pittsburgh Press Hosted Reception  

Augusta D (7th Floor)  
Hosted reception to launch publication of volumes 1 and 2 of The Correspondence of John Tyndall, a series that will issue the collected letters of the Victorian physicist in 19 volumes. Enter to win a copy of volume 1 or 2 at the University of Pittsburgh Press exhibit during the conference; winners will be announced at the reception.
Saturday, November 5, 8:00 - 9:30 PM

**8:00 PM – 9:30 PM**

“We are Made by History”: Snapshots of Science from Liberia and the United States

Elizabeth Paris Public Engagement Event for the History of Science Society

Commons Room, First Congregational Church
105 Courtland St. NE

See p. 82 for a fuller description.

These presentations will examine the histories and legacies of science and medicine in both perpetuating and confronting racism. Historians of science Gregg Mitman and Evelynn Hammonds will explore how a historical and scientific understanding of Liberia and the United States can help us answer some of the pressing questions we face today and tomorrow.

- **A Liberian Journey: Notes from the Field on the History of Science and Engagement**, Gregg Mitman (University of Wisconsin–Madison)
- **The Race Workshop at MIT and Harvard (circa 1997-2007)**, Evelynn Hammonds (Harvard University)

Note that Daylight Savings Time ends at 2:00 AM on Sunday, November 6. Be sure to adjust your clocks accordingly.

**SUNDAY, NOVEMBER 6**

**7:45 AM – 8:45 AM**

HSS Business Meeting

Chastain C (6th Floor)

**9:00 AM – 11:00 AM**

Creativity and Control in the Cold War Psychological Sciences

Augusta B (7th Floor)

Organizer and Chair: Matthew Hoffarth (University of Pennsylvania)

- “Strategic Controversies: Brainwashing and American Behavioral Science in the Early Cold War,” Marcia Holmes (Birkbeck, University of London)

Darwin: Organisms, Principles, Texts, Archives

Chastain D (6th Floor)

Chair: Khadija Fouad (Appalachian State University)

- “A Reappraisal of Darwin’s Engagement with the Work of William Sharp Macleay,” Aaron Novick (University of Pittsburgh)
- “‘See Mr. Darwin’s Journal, in the Colonial Library’: An Education in Coral Geology for Mid-Victorian Era Readers,” Anne Ricculli (Drew University)
- “Cunning, Killer Orchids,” Jim Endersby (University of Sussex)

Disciplinary Formation in the 20th and 21st Centuries

Chastain F (12th Floor)

Chair: David Robinson (Truman State University)

- “On the Emergence of Fluctuations,” Michael Stoeltzner (University of South Carolina)
- “Biophysics in the Third Reich: The Curious Case of the Journal Physis,” Ryan Dahn (University of Chicago)
- “Epigenetics: Bridging Together Development, Inheritance and Evolution, from Waddington to Today,” Francesca Merlin (IHPST (Université Paris 1 & CNRS))
- “Can Life be Engineered? Structuring Synthetic Biology as a Discipline (2004-Today),” Cécilia Bognon (Université Paris 1 (IHPST))

Human Science Fictionalized: A Novel, a Visual Narrative and an Indie Film

Augusta G (7th Floor)

This session is sponsored by the HSS Forum for History of Human Science.

Organizer: Ben Harris (University of New Hampshire)

Chair: John Carson (University of Michigan)

Sunday, November 6, 9:00 - 11:00 AM

- “Traumatized Knowledge: Psychoanalysis and Authoritarian Control in Cold War Argentina,” Marco Ramos (Yale University)
• “A Novelist’s Perspective,” Andromeda Romano-Lax (Independent Scholar)
• “An Artist’s Perspective,” Matteo Farinella (Independent Scholar, Columbia University)
• “Putting Stanley Milgram on Film,” Gina Perry (University of Melbourne)
• Commentator: Nadine Weidman (Harvard University)

Lost and Found in 19th- and 20th-Century Science
Chastain E (6th Floor)
Chair: Monique Laney (Auburn University)
• “Botanical Palimpsests: Erasures of Women in Botany. The Case Study of Mme. Dugage,” Sarah Benharrech (University of Maryland)
• “His Name Does Not Appear: The Invisible Technician at Sea,” Penelope Hardy (Johns Hopkins University)
• “A Scientific Research Program at the U.S.-Mexico Borderland Region: The Search for the Recipe of Maya Blue,” Deepanwita Dasgupta (University of Texas at El Paso)
• “Ask the Phantoms: Science Speaks for the ‘Silent’ Objects of Pre-Columbian North America,” Alicia Puglionesi (Consortium for the History of Science, Technology, and Medicine)

Roundtable: Knowledge Practices in Bureaucracies, 1600 to the Present
Chastain G (6th Floor)
Organizer and Chair: Sebastian Felten (Max Planck Institute for the History of Science)
• “To Collect and Process, or How to Deal with Regime Change in 17th-Century China,” Devin Fitzgerald (Harvard University)
• “Foreign Measurements: Statistical Units in German New Guinea (c. 1900),” Anna Echterhölter (Humboldt Universität Berlin)
• “From Local Data to Global Patterns: The Rise of Cameralistic ‘Statics’ in the Early 19th Century,” Marco Tamborini (Museum für Naturkunde Berlin)
• “Logistics Underground: Knowledge Practices in Early Modern Mines,” Sebastian Felten (Max Planck Institute for the History of Science)
• Commentator: Theodore Porter (University of California, Los Angeles)

Roundtable: Science Archives and Science Historians in the 21st Century
Chastain H (6th Floor)
Organizer and Chair: Douglas O’Reagan (Massachusetts Institute of Technology)
• “Challenges for New Archives: The Hanford History Project,” Douglas O’Reagan (Massachusetts Institute of Technology)
• “Reconfiguring the Scientific Record,” Bethany Anderson (University of Illinois at Urbana-Champaign)
• “Scientific Contemporary Collecting: Approaches, Challenges and Solutions,” Jenny Shaw (Wellcome Library)
• “Imagining the Science Archives of the Future: A More Active Role for Historians?” Soraya de Chadarevian (University of California, Los Angeles)
• “Librarian/Historian Balance,” Jonathan Grunert (Colorado State University–Pueblo, Virginia Tech)
• “The Niels Bohr Archive – a Status Report,” Rob Sunderland (Niels Bohr Archive)
• “Scientific Archives: Challenges and Opportunities,” Patrick H. Shea (Chemical Heritage Foundation)

The Science of the Stars from the Middle Ages to the 17th Century
Chastain I (6th Floor)
Chair: Bridget Collins (University of Wisconsin–Madison)
• The Medieval Heliocentrism of Mercury and Venus: A New Interpretation of William of Conches’ Argument for Planetary Order,” James Brannon (University of Wisconsin–Madison)
• “Astrology Serving Judaism: Moses Ashkenazi Cohen’s Urim ve-Tummim,” Robert Morrison (Bowdoin College)
• “Reading the Cosmos, Teaching Science: Fathallah al-Shirwani’s Commentary on Tusi’s Tadhkira as an Astronomy Textbook,” Scott Trigg (University of Notre Dame)
• “Black Spots, Flames, and Swords: Reading Galileo’s Theory of Comets as a Political Document,” Nicholas Jacobson (University of Wisconsin–Madison)

Transnationalism & Transformation of Science in Modern East Asia
Chastain J (6th Floor)
Organizer: Christine Yi Lai Luk (University of Hong Kong)
Chair: Sigrid Schmalzer (University of Massachusetts Amherst)
Sunday, November 6, 9:00 - 11:00 AM

- “The Marine Biological Station at Amoy University: Transnationalism and Locality of Biology in Republican China, 1929-1946,” Christine Yi Lai Luk (University of Hong Kong)
- “The Fieldscapes of Experimental Biology in Republican China: Fruit Flies, the Lady-Bird Beetles and the Placeness of the Laboratory,” Lijing Jiang (Yale University)
- Commentator: Zuoyue Wang (California State Polytechnic University, Pomona)

9:00 AM – 2:00 PM

**HSS THATCamp**

**Chastain 2 (6th Floor)**

THATCamp is for anyone either doing or considering a project involving digital technology. People of all experience levels are welcome -- newbies as well as experienced coders. The goal is to interact, try out new applications, ask questions, give advice, and learn.

This is an “unconference,” which means that the participants own the conference: the schedule is organized by those who show up on the morning of the event. It is highly flexible and designed to meet the needs of the participants. We’ll have lightning talks, as well as full sessions for discussing, playing with, or learning new technologies.

Please visit the HSS meeting website to register for THATCamp. We are limiting participation to about 50 people. Some food and refreshments will be provided, including a light lunch.

10:15 AM – 11:45 AM

**The Moral Dimensions of Health**

**Ansley 4 (14th Floor)**

This session is part of the Society for Literature, Science, and the Arts program.

Chair: Stephanie Shirilan (Syracuse University)

- “Strange Herbs and Spirits: Natural History and Indigenous Knowledge on the Early Modern Stage,” Stephanie Shirilan (Syracuse University)
- “‘The Two-Fisted Fightin’ Poet Doc’: Poetry and Public Health in Sinclair Lewis’s *Arrowsmith*,” Stephanie Larson (Emory University)
- “Unnatural Selections: Synthetic Life and the Ethics of Artificial Evolution,” Jeff Pruchnic (Wayne State University)
- “Chemical Creation Stories: Rethinking Toxicity and Climate Change in Indigenous Science Fiction,” Stina Attebery (University of California, Riverside)
We are Made by History: Snapshots of Science from Liberia and the United States

The 2016 Elizabeth Paris Public Engagement Event

These presentations will examine the histories and legacies of science and medicine in both perpetuating and confronting racism. Historians of science Gregg Mitman and Evelynn Hammonds will explore how a historical and scientific understanding of Liberia and the United States can help us answer some of the pressing questions we face today and tomorrow.

A Liberian Journey: Notes from the Field on the History of Science and Engagement

Gregg Mitman (University of Wisconsin–Madison)

How might the earliest known surviving motion picture record of Liberia be put into the service of a country seeking to rewrite a more inclusive history of its past as it struggles for footing after a brutal fourteen-year civil war? I will share our experiences working on a documentary film and public history website that has sought to put the film and photographic record of a 1926 Harvard scientific expedition to Liberia into circulation once again, highlighting the possibility of generating a history of science and its meaning from the widest possible demographic base, by and for a people whose ancestors were much more than laboring bodies, reservoirs of biological specimens, or objects of a scientific gaze. For further information, see http://liberianhistory.org; http://thelandbeneathourfeet.com

Gregg Mitman, PhD, the Vilas Research and William Coleman Professor of History of Science, Medical History, and Environmental Studies at the University of Wisconsin–Madison, is an award-winning author, filmmaker, and teacher, whose interests span the history of science, medicine, and the environment in the United States and the world, and reflect a commitment to environmental and social justice.

The Race Workshop at MIT and Harvard (circa 1997-2007)

Evelynn Hammonds (Harvard University)

For over a decade a group of graduate students, professors, and independent scholars from Brown, Cornell, Harvard, MIT, and Wellesley met monthly during the academic year to discuss work on ‘race’ in the social studies of science, the histories of science, medicine, and technology and the then nascent field of the anthropology of science. We formed this workshop to create a community of scholars conversant with the literature in these fields but also with work in critical race theory and Ethnic and African American Studies. Our central question was: How do we explain the absence of studies of race in our fields of study? We explored different aspects of this question over the years we held the workshop. In the end we succeeded in creating a group of scholars who now use ‘race’ as a central category of analysis in the research and teaching in the history of science and related fields. My presentation will focus on the role of the workshop model in producing new scholarship in an understudied and perhaps controversial but certainly significant area in the history of science.

Evelynn Hammonds, PhD, Barbara Gutmann Rosenkrantz Professor of the History of Science, Professor of African and African American Studies at Harvard University, is an alumna of Spelman and Georgia Tech. Her research focuses on scientific, medical, and socio-political concepts of race in the United States.

The Elizabeth Paris Endowment for Socially Engaged History and Philosophy of Science was established in 2013 in celebration of the life and values of Elizabeth Paris, a passionate and generous scholar who was committed to integrating the intellectual side of the history and philosophy of science with their social, institutional, and policy aspects. The aim of the Endowment is to use the history and philosophy of science to enrich society. Ethical and religious values, cultural and political assumptions, and institutional history—all these shape decisions about science today. The presentation of science inside and outside the classroom reflects more than scientific content; it reveals the cultural values of the presenters. The same is true for the funding of scientific research. Historians and philosophers of science are ideally positioned to help people understand the breadth of considerations that go into the development of science, and to use an understanding of the past to shape our future. For more information, please visit http://hsonline.org/about-elizabeth-paris/.
2016 HSS Business Meeting

Agenda
Sunday, November 6, 2016
7:45 – 8:45 AM
Chastain C (6th Floor)

All HSS members are welcome. Refreshments will be served.

Materials for the HSS Business Meeting, including the 2015 Business Meeting minutes, committee reports, and Articles of Incorporation are available online at www.hssonline.org. Go the Business Meeting section on the 2016 Meeting page.

President’s Welcome
Janet Browne

Approval of Minutes

Executive Director’s Report
Jay Malone

Editor’s Report
H. Floris Cohen

Treasurer’s Report
Adam Apt

Committee Reports
Synopsis by Jay Malone

New Business
Approval of Articles of Incorporation

Joint Caucus of Socially Engaged Philosophers and Historians of Science

Philosophy of Science Association and History of Science Society

How Do I ‘Do’ Social Engagement? Learning from Mentors
Saturday 5 November, 12:00 – 1:15 pm
Augusta E (7th floor)

Basic format
Mentors will each be sitting at a table (with a letter as assigned below for ease of identification). We hope that ‘mentees’ will rotate from table to table, receiving advice about how to engage in various types of activities related to social engagement using philosophy/history of science. Conversations should be relatively informal and mentees should feel free to ask questions in order to receive advice that will be useful to them. Please bring your lunch!

Tables
A. Rachel A. Ankeny (Humanities, University of Adelaide) - engaging stakeholders to help with the development of the research project/question(s)

B. Heather Douglas (Philosophy, University of Waterloo) – participating in expert assessment of ‘wicked problems’

C. Dan Hicks (American Association for the Advancement of Science) – how faculty can help graduate students find and pursue non-academic careers involving social engagement

D. Sabina Leonelli (Sociology, Philosophy, & Anthropology/Egenis, University of Exeter) - translating your research to engage with lawmakers/politicians and affect policymaking

E. Lexi Lord (National Museum of American History, Smithsonian) – finding non-academic jobs that enable you to engage with the public and successfully applying for them

F. Patrick McCray (History, University of Santa Barbara) – making your work accessible for different audiences: blogs and beyond

G. Carla Nappi (History, University of British Columbia) – alternative ways of socially engaging: how to use podcasts and fiction

H. Michael Robinson (History, University of Hartford) – writing for broader audiences and collaborating cross-disciplinarily

I. Sean Valles (Philosophy, Michigan State University) - how to pursue projects that socially engage with minority or marginalized populations’ interests (including when one is a member of such populations)
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