



SOCIETY
for the
HISTORY
of
TECHNOLOGY

NEWSLETTER

OF THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

No. 127 n.s. Summer 2014

WELCOME TO DEARBORN!

The official seal of the city of Dearborn proclaims that it is the hometown of Henry Ford, but there was life in Dearborn before Ford.

What is now Dearborn remained a small farming community for decades after the first European settlers arrived in 1786. A major change came in 1833 when the U.S. government moved its arsenal from Detroit to a newly created township named after Henry Dearborn, Thomas Jefferson's Secretary of War.

The arsenal was an eleven-building complex located on the main road between Detroit and Chicago. After the arsenal closed in 1879 the powder magazine, located nearly 1,000 feet east of the main arsenal for safety, was converted into a private residence now known as the McFadden-Ross House. The former powder magazine and commandant's residence survive today as part of the Dearborn Historical Museum, and several armory buildings have been repurposed for commercial use. The community around the arsenal incorporated as the Village of Dearbornville in 1838 and became the City of Dearborn in 1897.

At the same time, about four miles to the east, a smaller community was growing in Springwells Township. Springwells became a Village in 1919 and a City four years later. Henry Ford, who was born in Springwells Township in 1863, began

building a massive new factory on the banks of the Rouge River in the township's south end in 1917. The Rouge Plant, simply called "The Rouge" by locals, became the largest manufacturing complex in the world. In 1925 Springwells renamed itself Fordson, in honor of Henry and his son Edsel. At Henry Ford's urging Dearborn and Fordson merged in 1929 under the name of Dearborn.

Between the two communities was a huge swath of land on which Henry Ford had experimental, and largely unprofitable, farms. After Henry's death in

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SHOT Newsletter Editorial Policies, Advertising Rates, and Submission Deadlines

The SHOT Newsletter is published once a year in July and sent to all individual members of the Society who request it. During the rest of the year, news of the Society is available on its website. Items for inclusion will be published if received by 1 June. Material for the newsletter may be submitted via electronic mail. Non-members and institutions may receive the Newsletter by separate subscription for \$15 per year. The Newsletter is also available online at SHOT's website.

Readers should verify closing dates and other information provided by institutions and sponsors; the Secretary and SHOT are not responsible for changes or typographical errors or omissions. Advertising for books, journals, and other matters related to the interests of the Society and its members is accepted if received by 1 June.

Advertising Rates: Full page (7½" x 9½"):	\$200
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Quarter page (3" x 5"):	\$100

SHOT WEBSITE ANNUAL MEETING PAGE

Our main SHOT website: <http://www.historyoftechnology.org> has a link connecting to the SHOT annual meeting webpage: http://www.historyoftechnology.org/features/annual_meeting/index.html

This page contains links to the program, the conference schedule, registration information, plus details on SIG (Special Interest Group) meetings, receptions, the SHOT members meeting, SHOT tours etc. Details on hotel reservations and local information are also available here. We will be updating the annual meeting page frequently with additional information, so please check back at regular intervals.

Welcome continued...

1947 the Ford Motor Company gradually developed the property, which now includes the Ford World Headquarters (known locally as the “Glass House”), a variety of office parks, and Fairlane Town Center, the shopping mall complex that includes our conference hotel, The Henry. The former Ford farmland continues to divide the city into West and East Dearborn.

East Dearborn is home to the largest Arab-American community in the United States. Attracted initially by jobs at the Rouge, immigrants from Lebanon, Iraq, Yemen, and Palestine have built a vibrant community filled with shops, food markets, and restaurants. The Islamic Center of America is reputed to be the largest mosque in America.

The Rouge Plant at its peak employed 100,000 people and was renowned for bringing iron ore in one end and sending finished cars out the other. But the Rouge is also associated with two tragic events in labor history. In March 1932 some 2,500 “Hunger Marchers” approached the plant gates demanding jobs. Dearborn police responded with tear gas and fire hoses, marchers responded with rocks, shots were fired, and four marchers died. Some five years later minions from Ford’s innocuously named Service Department attacked United Auto Workers Union organizers on a pedestrian overpass leading to the Rouge Plant. Public reaction to press photos of bloodied union leaders Richard Frankenstein and Walter Reuther made the “Battle of the Overpass” a turning point in union organizing history.

In 1929 Henry Ford dedicated The Edison Institute, his indoor-outdoor museum complex, also known as The Henry Ford Museum and Greenfield Village. Now called The Henry Ford, it remains one of the great collections of American technological and cultural artifacts, as well as the area’s major tourist attraction. Adjacent to the Edison Institute was the Ford Airport, which also contained the factory that produced Ford Tri-motor aircraft. In 1947 the airport

was converted to a proving grounds for automobiles.

No history of Dearborn is complete without mention of Orville Hubbard, the city’s nine-term (1942-1978) mayor. He is remembered with affection for providing efficient government with a high level of services (helped by tax revenues from Ford). He is also remembered with embarrassment for his blunt, unapologetic racism dedicated to keeping Dearborn an all-white city.

Dearborn today is emblematic of much of 21st century America — once transformed and made wealthy by new technology and industry, it is in transition again, seeking its footing amid shifting economic and demographic trends.

*Bob Casey and Sage Jedele
Local Arrangements Committee
Dearborn, Michigan*

Weather in Dearborn in November

Temperatures in Dearborn during the conference will be cool, but not cold. According to the almanacs at AccuWeather.com and the Weather Underground, we should be looking at high temperatures in the high 40s-low 50s (approximately 8-13°C), and low temperatures in the low-to-mid 30s (approximately 1-3°C).

Transportation to Dearborn

Dearborn is served by the Detroit Metropolitan Wayne County Airport (DTW), which is 13 miles by road from the conference hotel. DTW serves as a hub for Delta and Spirit, and it is also served by most of the major domestic and international airlines (please visit <http://www.metroairport.com/Airlines.aspx> for a full listing). Daily nonstop flights are available to and from most U.S. cities as well as many hubs abroad.

The easiest way to get from the airport to the conference hotel (and vice-versa) is by taxi, which

costs \$35 to \$40 each way with tip. Alternatively, you might find it convenient to rent a car instead, and all of the major rental companies have locations at the airport.

Transportation within Dearborn

Dearborn is an autocentric, suburban community. This means that it will be difficult to safely walk among the conference venues. Consequently, we have arranged for round-trip shuttle service for the following events (details on each event and its shuttle service appear later in this newsletter):

- (1) the opening plenary and reception at The Henry Ford on Thursday, 6 November
- (2) the Rouge factory tours on Thursday, 6 November
- (3) the Ruins and Rebirth tour on Thursday, 6 November
- (4) sessions on Friday, 7 November (which will be held at the University of Michigan Dearborn's Fairlane Center campus)
- (5) the evening event at the Eagle Tavern in Greenfield Village on Friday, 7 November
- (6) the Diego Riviera tour at the Detroit Institute of Arts on Sunday, 9 November
- (7) the Walkerville tour in Windsor, Ontario, on Sunday, 9 November

Should you wish to go to downtown Dearborn for lunch, or if you decide to go to the museum and/or Greenfield Village at The Henry Ford at any time, your best bet will be to hire a cab. Or, if you want to enjoy the full experience of life in Southeast Michigan, you might want to rent a car for the duration of the conference. After all, this is Henry Ford's hometown!

PRESIDENT'S MESSAGE

I am hopeful that all of SHOT's members are enjoying healthy and productive summers. I can tell you that the officers and Executive Council, as well as members of various committees, are working hard on the activities that come to fruition at the annual meeting. This year Dearborn is our destination, and the curators and staff at The Henry Ford are providing significant support for local arrangements. David Lucsko, who is doing a wonderful job as the new secretary, provides information about the logistical details elsewhere in this newsletter. But there are few other points I might make about the upcoming meeting.

First, I wish to commend the local arrangements group, which is developing events that show the strengths of the Henry Ford and the automobile heritage of Southeast Michigan. Included will be a tour of the Detroit Institute of Arts' famous murals on Detroit industry by Diego Rivera and another tour of Ford's River Rouge plant. Second, Lars Heide, Kevin Borg, and Dan Holbrook have performed exceptional service in developing the program. Acting upon feedback and suggestions provided last year at Portland, the committee has expanded the number of sessions and entertained additional formats. Continuing the pattern launched last year there will be several special sessions, including three Presidential Roundtables designed to discuss future directions and intellectual currents that can expand the reach and vitality of our scholarship. Panelists for all of the Presidential Roundtables will, as they did last year, send their papers to the SHOT Secretary about two weeks in advance so that he can post them to the SHOT Talk website, and we encourage postings and comments both before the meeting and continuing throughout. We hope that this approach is as successful this year

as last year—especially since the SHOT webpage is now in place to more easily facilitate these interactive and social media. I urge your attention to these sessions. The first, organized by Martin Collins, will explore technology and literature, a topic at once venerable and novel. Two other roundtables will focus on SHOT's international connections. One, assembled by the Internationalization Committee, showcases a discussion by various International Scholars on “doing” the history of technology in many places around the globe. The second focuses specifically on Asia, in line with SHOT's annual meeting to be held in Singapore in 2016. This session explores a concept animating science and technology studies scholars in Asia: Asia as Method.

The program committee is interested in continuing in other ways the experiments suggested by various SHOT members last year, such as threaded sessions and calls for open sessions. The committee also revived the work-in-progress session this year, and will consider other non-traditional approaches to sessions in the future. In addition, the Executive Council also removed as counter-productive the rule preventing individuals from presenting at annual meetings in consecutive years. Finally, the program committee and the secretary's office are working to utilize social media to connect ever-wider audiences. Taken together, these changes reflect a desire to ensure the annual meeting remains a dynamic event responsive to a variety of changing possibilities. I deeply appreciate these efforts, led by Lars Heide, this year's program committee chair. I believe the 2014 program is a sound reflection of their efforts.

Beyond discussing ways to ensure the continued vitality of SHOT's annual meeting, the Executive Council and officers have pursued other steps to address concerns that emerged during the past 18 months of conversations about SHOT and its directions. The energy of a new secretary and a new website present opportunities we are determined to utilize. You can now find on the members-only page, for example, the minutes of recent Executive

Council sessions. The minutes used to appear in *T&C*, but are no longer printed there. We hope their presence on the website allows members to follow the topics and subjects attracting the attention of SHOT's leadership. In addition, a new button has been built on the main page that allows individuals who wish to volunteer for service on committees or other activities. Also, various committees have explored questions of membership and of SHOT and social media. The minutes show the nature of much of this conversation, as well as the fact that SHOT has a dedicated and active Executive Council.

In my remaining space, let me report on two issues to which the officers have devoted significant time over the past 18 months. First, we have been working toward a new contract with the American Historical Association, our partner in the production of the SHOT booklets. The AHA considers the booklet series a model of activities with AHA affiliates. If that is so, the efforts of Bob Post (former editor of *T&C*) and Pamela Long (independent scholar of early modern technology) are responsible. They have been the heart and soul of this project for almost 15 years, during which time 10 booklets about the history of technology and other domains of history have been published. Asif Siddiqi is joining them as a series editor. Among the outcomes of the updated relationship with the AHA will be a clear pathway for SHOT members to purchase these booklets at a discount.

A second issue relates to SHOT's participation in the HSTM database, a marvelous resource for bibliographic information on the history of technology, science, and medicine. In 2002 SHOT decided to stop printing the SHOT bibliography in *T&C*, given the utility of the on-line HSTM database, which included material from HSS and the Wellcome Institute in London as well as SHOT. Henry Lowood, who had overseen SHOT's bibliography since the early 1990s, managed the transition and then stepped down from this labor of love in 2007. Since that time, gaps have existed in the history of technology entries in the database. But the acquisition of the database by

commercial publisher EBSCO has forced us to build a new contract related to the database and to re-think SHOT's role in bibliographic work. Free access to the HSTM database was a nice benefit of SHOT membership, but this requires SHOT to actively support the database. Other opportunities include the possibility of joining an effort by HSS (with support from the Sloan Foundation) to develop an open-source platform for bibliographic initiatives. The Council has discussed the situation for almost two years and is now poised to review a new contract with EBSCO. SHOT will need to identify a bibliographic coordinator, a step that may require a commitment of resources. At the same time, the officers and EC are exploring cooperative approaches with the HSS's bibliographer, Stephen Weldon at Oklahoma, and discussing that and other initiatives with program managers at Sloan. You should expect to hear about these developments at the Council meeting and Business meeting in Dearborn.

I feel privileged to work as SHOT's president during these exciting times. So let me close with one final point. In 2016, SHOT will hold its annual meeting in Singapore—our first venue outside of Europe or North America. This will be, like so many other elements in our world, both an opportunity and a challenge. The Roundtables this year are part of the effort to prepare for Singapore in 2016. The Executive Council and officers are working to ensure SHOT can offer travel assistance for graduate students and beginning scholars. So we believe it is not too early for members to begin thinking about this meeting. There will be additional preliminary steps next year, as Francesca Bray, an Asianist in terms of her interests, enters SHOT's presidency. This is something else to watch for in its own terms.

A final note. We owe thanks to the committee of Steve Usselman (chair), Amy Bix, Susan Schmidt-Horning, Hugh Gorman, and Francesca Bray that identified a new treasurer. The results of their efforts are found on the election ballot, and I speak for all of us in thanking

the committee for their dedication. This is what it takes for SHOT to work.

Enough from me. My thanks to everyone who makes SHOT go, especially the members of the council and the committees and their chairs. I hope to see everyone in Dearborn for the annual meeting—it will be a good one. My best wishes to all!

Bruce Seely
Michigan Tech

SECRETARY'S MESSAGE

Twenty-nine years ago, in 1985, Michigan Tech and what was then called the Edison Institute (now The Henry Ford, also known as the Henry Ford Museum and Greenfield Village) hosted SHOT's twenty-eighth annual meeting in Dearborn, Michigan. Fifteen years later, when I joined SHOT and first began to meet the members of our field, many still spoke glowingly of their time in Dearborn back in '85.

For 2014 we are thrilled to be back in Henry Ford's hometown for our fifty-seventh meeting. We owe our return to the hard work of Marilyn Zoidis of The Henry Ford and her local arrangements committee, who are determined to make SHOT's second Dearborn conference as impressive as its first.

Toward this end, Marilyn's committee has arranged some exciting tours and other local activities. On Thursday we'll run two tours of the Ford Motor Company's Rouge plant, where production of the aluminum-bodied F-150 pickup will be in full swing. John Staudenmaier will also lead a bus tour of Detroit on Thursday, focusing on the ruins of the Motor City's industrial past as well as the brilliant gems of its ongoing rebirth. On Sunday Charlie Hyde will lead a tour of Diego Rivera's industrial artwork at the Detroit Institute of Arts, and we will also run a tour over to Walkerville in Windsor, Ontario—a chance not

only to tour the Hiram Walker Distillery's company town, but also an opportunity to travel *south* from the United States to Canada. Throughout the conference weekend, you can also visit the museum and Greenfield Village at The Henry Ford for only \$5 – close to 90% off – by signing up for a pass on your registration form.

In addition, our opening plenary on Thursday evening will be held in the beautifully restored historic Anderson Theater at The Henry Ford, followed by a reception on the floor of the Ford museum's award-winning *Driving America* exhibit. On Friday evening, we will also host a special event in Greenfield Village at the Eagle Tavern, a stagecoach stop originally built in 1831 in Clinton, Michigan. This event will feature omnibus rides through the village, craft beers, and an authentic heirloom nineteenth-century meal—you don't want to miss out on this one!

In addition to information about the Dearborn meeting, this newsletter includes information about SHOT's 2014 elections. This year we will elect new members of the Executive Council, the Editorial Committee, and the Nominating Committee, and we will also elect a new Vice President and a new Treasurer. I'd like to thank Ruth Schwartz Cowan, who chaired the 2014 Nominating Committee, for putting together an excellent slate of candidates, as well as Steve Usselman, chair of the ad-hoc Treasurer search committee. As usual, we have included with this newsletter a paper ballot that you can mail in, but you can also cast your vote on the SHOT website by going to the main page and logging into the members-only section.

Before I close, a few notes about our conference venues for 2014. Earlier this year we encountered some intractable problems with our original conference hotel and were forced to make a last-minute change. This made for a very stressful spring, but the end result will be a much better meeting at much better venues. I think you'll agree that our

conference hotel and venue for Saturday and Sunday sessions, The Henry, is a beautiful facility, as is our venue for Friday sessions, the Fairlane Center campus of the University of Michigan Dearborn. For our fall Executive Council meeting, to be held on Wednesday afternoon and Thursday morning, we have chosen the historic Dearborn Inn, a handsome hotel located adjacent to The Henry Ford. In spite of these last-minute changes, you should expect a slightly lower overall cost of attendance this year: our outstanding \$120-per-night hotel rate will more than offset a slightly higher cost of conference registration.

For pulling together these lovely venues at the last minute, I would like to thank Bianca Phelps and Laura Kravaritis of The Henry; Trisha Guyot of the University of Michigan Dearborn; Jackie Lovejoy of the Dearborn Area Chamber of Commerce; Bob Pierce of the Dearborn Inn; Marilyn Zoidis of The Henry Ford, a steadfast partner in the planning of this conference from the outset; and SHOT's own Jane Carlson. Thanks to their tireless assistance, Dearborn 2014 is shaping up to be an outstanding conference.

I look forward to seeing you all in Dearborn in November!

Dave Lucsko
Secretary

SHOT
Dearborn Meeting
5 November - 9 November 2014

PROGRAM OVERVIEW

Note: To avoid confusion between The Henry (our hotel) and The Henry Ford (the museum), this overview refers to the former as “the conference hotel” and the latter as “The Henry Ford”.

Wednesday, 5 November

12:00 - 5:00 PM Executive Council Meeting day 1 (open to all members)
Dearborn Inn, 20301 Oakwood Boulevard, Dearborn

Thursday, 6 November

8:30 AM - 12:00 PM Executive Council Meeting day 2 (open to all members)
Dearborn Inn, 20301 Oakwood Boulevard, Dearborn

9:00 AM - 4:00 PM THATCamp, The Henry Ford (please register in advance)

11:00 AM - 5:00 PM Detroit Ruins and Rebirth Tour
(bus will take you from the conference hotel, round-trip)

12:00 PM - 5:00 PM *IEEE *Annals of the History of Computing* Editorial Board Meeting,
Dearborn Inn, 20301 Oakwood Boulevard, Dearborn (by invitation only)

12:30 - 3:00 PM Ford Rouge Factory Tour, group 1
(buses will take you from the conference hotel, round-trip)

2:00 - 4:30 PM Ford Rouge Factory Tour, group 2
(buses will take you from the conference hotel, round-trip)

4:00 - 5:00 PM *SIG Chairs Meeting, The Henry Ford (by invitation only)

6:00 - 7:00 PM Opening Plenary, Anderson Theater, The Henry Ford
(buses will run between the hotel and The Henry Ford at 5:00, 5:30, 6:00 & 6:30 PM)

7:00 - 9:30 PM Reception, *Driving America* exhibit, The Henry Ford
(return buses will run between The Henry Ford and the hotel at 8:00, 8:30, 9:00
& 9:30 PM)

9:30 PM - Midnight Hospitality Suite (conference hotel)

Friday, 7 November

7:00 - 8:00 AM	Breakfast at the conference hotel (for all attendees)
7:00 - 8:00 AM	Breakfast Meetings at the conference hotel *Graduate Student Breakfast (please register in advance) *International Scholars Breakfast (by invitation only)
7:30, 7:45 & 8:00 AM	Buses to Fairlane Center Campus, University of Michigan Dearborn, for Friday sessions (there will also be an on-demand shuttle running back and forth between the hotel and Fairlane Center from 8:30 AM to 2:00 PM)
8:30 AM - 5:00 PM	Book Exhibit, day 1 (Fairlane Center Campus)
8:30 - 10:00 AM	Sessions (Fairlane Center Campus)
10:00 - 10:30 AM	Coffee break (Fairlane Center Campus)
10:30 AM - 12:30 PM	Sessions (Fairlane Center Campus)
12:30 - 2:00 PM	Lunch (box lunches will be provided for all conference attendees onsite at the Fairlane Center Campus)
12:30 - 2:00 PM	Lunch Meetings (onsite at the Fairlane Center Campus) *SIGCIS Lunch (please register in advance) *WITH Lunch (please register in advance) *Jovians & Mercurians Lunch (please register in advance)
2:00 - 3:30 PM	Sessions (Fairlane Center Campus)
3:45, 4:00 & 4:15 PM	Buses from the Fairlane Center Campus back to the conference hotel
4:00 - 4:30 PM	Coffee Reception (conference hotel)
4:30 - 5:30 PM	Plenary Lecture, 2014 da Vinci Medal Recipient (conference hotel)
5:30 - 7:00 PM	TEMSIG: Cocktails at the conference hotel bar SMITInG: Cocktails at the conference hotel bar
5:45, 6:00 & 6:15 PM	Buses from the conference hotel to Greenfield Village for the Eagle Tavern Event
6:30 - 10:00 PM	Eagle Tavern Event, Greenfield Village (please register in advance)
9:00, 9:30 & 10:00 PM	Buses from Greenfield Village back to the conference hotel
10:00 PM - Midnight	Hospitality Suite (conference hotel)

Saturday, 8 November

7:00 - 8:00 AM	Breakfast at the conference hotel (for all attendees)
7:00 - 8:30 AM	Breakfast *Envirotech Breakfast Meeting at the conference hotel (please register in advance)
8:30 AM - 5:00 PM	Book Exhibit, day 2 (conference hotel)
8:30 - 10:30 AM	Sessions (conference hotel)
10:30 - 11:00 AM	Coffee break (conference hotel)
11:00 AM - 12:00 PM	Plenary in Honor of Thomas P. Hughes (conference hotel)
12:00 - 1:30 PM	Lunch (attendees are on their own for lunch)
12:00 - 1:30 PM	Lunch Meetings *Members' Meeting (conference hotel; all are welcome) *Prometheans (off-site; gather in conference hotel lobby; please register in advance) *Editorial Committee (conference hotel; by invitation only)
1:30 - 3:00 PM	Sessions (conference hotel)
3:00 - 3:30 PM	Coffee Break (conference hotel)
3:30 - 5:00 PM	Sessions (conference hotel)
5:30 - 6:30 PM	Presidential Address (conference hotel)
6:30 - 7:30 PM	Cocktail Reception (conference hotel)
7:30 - 10:00 PM	Awards Banquet (conference hotel)
10:00 PM - Midnight	Hospitality Suite (conference hotel)

Sunday, 9 November

8:00 - 9:00 AM	Breakfast Meetings at the conference hotel *Albatrosses Breakfast Meeting (at Tria, the conference hotel restaurant; please register in advance) *SHOT Asia Network Breakfast Meeting (please register in advance) *Prometheans Breakfast Meeting (at Tria, the conference hotel restaurant; please register in advance) *EDITH Breakfast Meeting (please register in advance) *IEEE Breakfast Meeting (by invitation only)
9:00 AM - 5:00 PM	SIG Meetings and Workshops at the conference hotel (not all meetings will last 8 hours; please check the preliminary program included in this newsletter for more information, or contact the chair of your SIG) *SIGCIS Workshop (includes lunch; please register in advance) *IEEE History Committee Meeting (by invitation only) *EDITH Workshop (please register in advance) *Albatrosses Workshop (please register in advance) *Prometheans Roundtable and Workshop (please register in advance)
10:00 AM - 3:00 PM	Diego Rivera Murals Tour, Detroit Institute of Arts (please register in advance)
12:30 - 6:00 PM	Tour of Walkerville, Windsor, Ontario (please register in advance; passports required)

EVENTS AT THE ANNUAL MEETING

We will be meeting at The Henry (our conference hotel) and at the University of Michigan Dearborn's Fairlane Center Campus (our venue for Friday sessions). Both are located in north central Dearborn, to the west of the Southfield Freeway and the north of Michigan Avenue. The Henry Ford complex is approximately one mile to the south. Because this is a suburban environment, we have arranged for buses to carry you between these venues; details appear in the program overview above.

Please note that we will be providing a **free continental breakfast on Friday and Saturday mornings** for all participants, as well as a **free lunch on Friday** at the Fairlane Center Campus (Friday SIG lunches will cost a little extra due to the cost of the meeting space reserved for them).

Executive Council Meeting

The Executive Council will meet from 12:00 - 5:00 PM on **Wednesday** and from 8:30 AM - 12:00 PM on **Thursday**. The meeting will NOT be held at The Henry, but instead at the Dearborn Inn, 20301 Oakwood Boulevard, Dearborn. All members are welcome to sit in on all or part of this meeting.

Opening Plenary and Reception

Our meeting begins with a plenary session on **Thursday** evening at 6:00 PM at the historic Anderson Theater at The Henry Ford, followed by a reception on the floor of the museum. Strictly speaking, the reception will be in the award-winning *Driving America* exhibit, but attendees will be free to wander around the entire museum floor, which we will have to ourselves. There is a modest fee for this event (**\$15**); please indicate on your registration form if you are planning to attend.

Graduate Student Breakfast

SHOT prides itself on being open and welcoming to new participants, especially graduate students. On **Friday** at 7:00 AM, currently-enrolled graduate students are cordially invited to breakfast in order to meet the Society's officers. This continental breakfast will offer graduate students a chance to meet each other, to learn about SHOT programs (including prizes and fellowships), and to find out about SHOT's journal, *Technology and Culture*. This breakfast is open only to currently-enrolled graduate students. You **must** register for this event in order to attend; please indicate on your registration form if you are planning to attend.

International Scholars Breakfast

A key way that SHOT reaches out to historians of technology around the world is through its International Scholars program. Each incoming annual "class" of International Scholars is formally introduced at the Awards Banquet, but to welcome them more personally, SHOT holds a breakfast for them each year. This year's breakfast will be held on **Friday** at 7:00 AM. If you are a new or former International Scholar (or a member of the Internationalization Committee), please let Honghong Tinn (hhtinn@gmail.com) know by **30 September** if you will be attending this breakfast.

The Eagle Tavern:

An Evening in Greenfield Village

We are thrilled to announce that on **Friday** evening, 6:30-10:00 PM, SHOT and The Henry Ford will host a special event in Greenfield Village at the Eagle Tavern, a stagecoach stop originally built in 1831 in Clinton, Michigan. This event will feature twilight omnibus rides through the lit-up village, craft beers

(cash bar), and an authentic heirloom nineteenth-century meal. The cost for this event will be **\$55**, and because seating is limited, you'll want to sign up early! (If you wish to attend and have special dietary requirements, please contact Jane Carlson with the details as soon as possible at shotmtg@auburn.edu).

Members' Meeting

Are you interested in learning about new SHOT initiatives? Thinking about volunteering to serve on one of the Society's committees? If so, then please join us for the Members' Meeting, which will be held during lunch on **Saturday** at 12:00 PM in the conference hotel. In addition, all members are welcome to sit in on the Executive Council sessions scheduled for 12:00-5:00 PM on **Wednesday** and 8:30 AM-12:00 PM on **Thursday**.

Presidential Address, Cocktail Reception, and Awards Banquet

On **Saturday** at 5:30 PM, SHOT President Bruce Seely will deliver his presidential address at the conference hotel. His speech will be followed by a cocktail reception (cash bar) at 6:30 PM in the foyer space outside the Plaza Ballroom at the conference hotel, followed by the annual Awards Banquet at 7:30 in the Plaza Ballroom itself. The Awards Banquet is a wonderful opportunity to enjoy an evening with old and new friends, to show our appreciation to SHOT's many volunteers, and to honor the recipients of our prizes and fellowships. The banquet will be buffet-style; if you have special dietary needs, please contact Jane Carlson at shotmtg@auburn.edu in advance of the meeting. Banquet tickets are **\$45 per person**; please indicate on your registration form if you are planning to attend (and please also note on your registration form if you will be accompanied by a spouse or guest). We hope to see you all there.

Program Advertising and Book Exhibit

As always, we welcome publishers who wish to exhibit books in Dearborn, advertise in the SHOT program, or provide inserts for the registration packet. We will also have a table near our registration area where individual books can be displayed for a fee. For more information about any of these services, please contact Jane Carlson at shotmtg@auburn.edu.

Audio-Visual Equipment and Wi-Fi

At the conference hotel and at the Fairlane Center Campus, each session room will be equipped with a digital projector and screen. Speakers planning to use PowerPoint should make sure that they (or someone on their panel) will have a laptop that can connect to the digital projector. Be sure to bring the cable that connects your particular computer to a computer projector. Both venues have indicated that we will have free Wi-Fi service throughout the conference, and we will provide details about logging on in the registration pack.

ONLINE REGISTRATION

We are pleased to be able to offer our attendees **online registration**. The online registration form mimics the paper form found elsewhere in this Newsletter. A link to online registration portal (hosted at Constant Contact) can be found at: www.historyoftechnology.org/features/annual_meeting/index.html

When you register online, you will need to pay SHOT by using PayPal, a secure on-line banking service. After you have completed and submitted the online registration form, you will automatically be taken to PayPal. Once there, you will have the option of paying with a credit card or a PayPal account.

After you make a payment, PayPal will transfer the money to the SHOT Annual Meeting checking account. At no point will the Secretary's Office see your bank or credit card details.

If you wish to register online but need to make special arrangements for payment (e.g., you want to pay in cash or need to delay payment because you are coming from overseas), please contact Jane Carlson at shotmtg@auburn.edu.

If you do not wish to register online, you are welcome to mail the printed registration form to the Secretary's office. Please note that **we cannot process registrations sent to us by email**; this is to protect your credit card details from being intercepted on the Internet.

In filling out the form, please **print clearly** so that we can process your registration promptly. It is especially important that we can read your credit card number, phone number, and email address. You can pay by credit card (Visa or MasterCard) or by a check made payable to the Society for the History of Technology.

If you register as a SHOT member, please be sure that your SHOT membership is current or we will charge you at the non-member rates.

If you are mailing your registration, please use this address:

David Lucsko, SHOT Secretary
Department of History
310 Thach Hall
Auburn University, AL 36849-5207
USA

The deadline for regular registration is **1 October 2014**. *If you are on the program*, you must register by **15 October**. The SHOT office will confirm your registration by email and provide a printed receipt when you collect your conference packet in Dearborn.

SIG EVENTS IN DEARBORN

The **Albatrosses**, whose interests cover all things related to aviation and aerospace, will have an informal breakfast on **Sunday** morning at 8:00 AM at Tria, the conference hotel's restaurant, followed by its annual workshop session highlighting the current research of grad students and young scholars. The roundtable session will cost **\$15**. If you are interested in presenting your work, please send a short email message to Debbie Douglas at ddouglas@mit.edu. To join the Albatrosses email list, send a short message to Robert Ferguson at rob@furglu.com.

To promote scholarship on Asian topics and to encourage historians from Asia to participate in our activities, SHOT members have organized the **Asia Network**. In Dearborn, network members will have a meeting over breakfast on **Sunday** at 8:00 AM. It will be a continental breakfast with fresh sliced fruit, and it will cost **\$7**; please indicate on the registration form if you are planning to attend. For more information on the group, visit <http://groups.google.com/group/SHOTsigAsia> or contact Honghong Tinn at hhtinn@gmail.com.

The SIG on **Computers, Information and Society** (SIGCIS) will have a lunch on **Friday** at 12:30 PM at the Fairlane Center Campus. There will be a small charge for this lunch of **\$9**, and you must register in advance for it to reserve a seat (the lunch will be held in a special meeting room at the Fairlane Center Campus). SIGCIS is also organizing a daylong workshop on **Sunday**, including lunch, for **\$25**. For more details about this workshop, please see the preliminary program included with this newsletter or visit <http://www.sigcis.org/workshop14>. **Note that if you are planning to attend this workshop, you must register for the SHOT meeting and indicate on the registration form that you will be attending this event on Sunday.** If you are attending only

the workshop on Sunday and not the rest of the SHOT meeting, please contact David Lucsko at shotsec@auburn.edu to discuss registration.

EDITH (Exploring Diversity in Technology's History) supports both scholars and scholarship currently underrepresented in the history of technology and SHOT. In Dearborn, they will meet on **Sunday** for breakfast at 8:00 AM, followed by a workshop. Both will be held at the conference hotel. Breakfast will be continental with fresh sliced fruit, and it will cost **\$7**; please indicate on the registration form if you are planning to attend. The workshop, "Diversity, Pedagogy, and the History of Technology," aims to begin to assemble a compendium of resources (books, syllabi, notes, questions, etc.) on incorporating issues of class, race, gender, sexuality, and disability into the teaching of the history of technology. The workshop will cost **\$15**. For more information about this group and its plans, please email Anna Åberg (anna.aberg@abe.kth.se).

Envirotech will hold a breakfast meeting on **Saturday** morning at 7:30 AM in the conference hotel. Breakfast will be continental with fresh sliced fruit, and it will cost **\$7**; please indicate on the registration form if you are planning to attend. For more information about the group, including discounts for graduate student attendees, please contact Kellen Backer (kbacker@maxwell.syr.edu) or Jenny Smith (jenny.smith@hts.gatech.edu).

The **Jovians** (electrical history) and the **Mercurians** (communications) will hold their traditional joint lunch-time meeting on **Friday** at 12:30 PM at the Fairlane Center Campus. There will be a small charge for this lunch of **\$9**, and you must register in advance for it to reserve a seat (the lunch will be held in a special meeting room at the Fairlane Center Campus).

This year, the **Prometheans** (SHOT's Engineering SIG) will host a roundtable on the history of

engineering as well as a workshop on history-of-engineering course development, both on **Sunday morning**, for **\$15**. For more details about this workshop, please see the preliminary program included with this newsletter. *Note that if you are planning to attend this workshop, you must register for the SHOT meeting.* If you are only attending the workshop on Sunday and not the rest of the SHOT meeting, please contact David Lucsko (shotsec@auburn.edu) to discuss registration. Meanwhile, the group's annual business meeting will take place on Saturday during lunch at a location to be determined. The group will gather in the lobby of the conference hotel (near the registration desk) at 12:30 PM and then head to a local restaurant. Each person will pay individually. Please email Atsushi Akera (akeraa@rpi.edu) if you plan to attend this lunch.

SMiTInG, the SHOT Military Technology Interest Group, will convene over drinks on **Friday**, 7 November, in the lobby bar of the conference hotel. For more information, please contact Bart Hacker (hackerb@si.edu).

TEMSIG, the museum group, will meet for cocktails at 5:30 PM on **Friday** in the lobby bar of the conference hotel. If you have any questions or wish to be added to the TEMSIG listserv, please contact Allison Marsh (marsha@mailbox.sc.edu).

Women in Technological History (WITH) will meet over lunch on **Friday**, at 12:30 PM at the Fairlane Center Campus. There will be a small charge for this lunch of **\$9**, and you must register in advance for it to reserve a seat (the lunch will be held in a special meeting room at the Fairlane Center Campus). Please indicate on the registration form if you are planning to attend this lunch. For more information about WITH please contact Arwen Mohun (mohun@Udel.Edu) or Corinna Schlombs (cxsgla@rit.edu).

SHOT
Dearborn Meeting
6 - 9 November 2014

PRELIMINARY PROGRAM

*The information in this preliminary program is current as of 18 July 2014, but it is subject to change at any time.
For the most up-to-date information, please visit the SHOT website's annual meeting pages at
http://www.historyoftechnology.org/features/annual_meeting/index.html*

THURSDAY, 6 NOVEMBER

6:00 - 7:00 PM

Opening Plenary

Speaker: **David Nye** (University of Southern Denmark)

Discussion: **By the Audience**

FRIDAY, 7 NOVEMBER

8:30 - 10:00 AM

Sporting Spaces in Technological Context

Organizer: **James R. Hansen** (Auburn University, United States)

Chair and Commentator: **Robert C. Post** (National Park Service, United States)

James R. Hansen (Auburn University, United States): Golf Architect Meets Automotive Engineer: Robert Trent Jones, John Oswald, and the Landmark Redesign of Detroit's Oakland Hills Country Club for the 1951 US Open Championship

Linda Borish (Western Michigan University): Gender and Jewish Ys in Creating Sports Spaces for American Jewish Women, 1920s-1930s

Jeremy Kinney (Smithsonian National Air and Space Museum, United States): Speeding Through a Man's World: Women Sports Car Drivers in the 1950s and 1960s

Artifacts of Inequality: The Embodiment and Disembodiment of Race in Agricultural Technologies

Organizer: **Owen James Hyman** (Mississippi State University)

Chair and Commentator: **Barbara Hahn** (Texas Tech University)

Owen James Hyman (Mississippi State University): The Language of Mechanization: Race and the Quantification of Labor in the Southern Forest Industries

Karen Senaga (Mississippi State University): Muddy to Clean: The Farm-Raised Catfish Industry and Development of Aquaculture Science and Food Technologies

Tiago Saraiva (Drexel University, United States): Pig Standards for Nazism and the New Deal: Animal Breeding and Experimental Design at the University of Halle and at Iowa State

This Is Not a Roundtable: THATCamp, SHOT, and the Place of Technology in the History of Technology

Organizer: **Finn Arne Jørgensen** (Umeå University, Sweden)

Discussion: **By the Audience**

Technology in Use

Chair and Commentator: **Kevin Borg** (James Madison University, United States)

Joshua Walker (University of Maryland) [**Robinson Prize Candidate**]: Repairing Mexico's Green Revolution, 1940s-1980s

Carrie Meyer (George Mason University, United States): Early Gas Engines on the Farm: Did Women Use Them?

Aashish Velkar (University of Manchester, United Kingdom): Inching Towards the Metre: Diffusion of Metric Measures in Countries using the Imperial System

Works in Progress

Chair and Commentator: **Francesca Bray** (Edinburgh University, United Kingdom)

Caroline Jack (Cornell University, United States): Play Money: Capitalist Digital Games

Zachary Loeb (NYU-MCC, United States) [**Robinson Prize Candidate**]: The Broken Frame of the Frame Breakers

HungYin Tsai (Virginia Polytechnic Institute and State University) [**Robinson Prize Candidate**]: The Political Economy of Digital Games: The International Dynamics in East Asia

Sound and Vision

Chair and Commentator: **TBA**

Janet R. Bednarek (University of Dayton, United States): Defining the Problem of Aircraft Noise

Luke Stadel (Northwestern University, United States): The Stereo Turn in American Television, 1953-1984

Rethinking Non-Western Social Technical Systems

Chair and Commentator: **Lars Heide** (Copenhagen Business School, Denmark)

Chihyung Jeon (Korea Advanced Institute of Science and Technology, South Korea): Dams and Bikes: How South Korea Managed to "Kill the Rivers" and Enjoy Cycling along Them

Ramya Swayamprakash (Independent Researcher, India): Recasting a New River: Engineers, Dams, and Politics along the Cauvery in Southern India

Wiebe Bijker (Maastricht University, Netherlands) and **Annapurna Mamidipudi** (Maastricht University, Netherlands): Innovation in Indian Weaving

People Movers

Chair and Commentator: **TBA**

Ray Clark (George Mason University, United States) [**Robinson Prize Candidate**]: The Short History of the Mobile Lounge

Jonathan Summers (Stanford University, United States): Automobile Archaeology: The Human Stories around a Transformative Technology

Edison Renato Silva (Universidade Federal do Rio de Janeiro, Brazil): All Aboard: A History of Rail Transportation Technology in Brazil

Geography and Technology Zones

Chair and Commentator: **Stuart Leslie** (Johns Hopkins University, United States)

Benjamin Gross (Chemical Heritage Foundation, United States): Solid State in the Garden State: Material Innovation at New Jersey Start-Ups, 1968-2002

John Emerson Mohr (Auburn University, United States) [**Robinson Prize Candidate**]: Volkswagen Westmoreland: Harbinger of a New Era

James W. Stitt (High Point University, United States): Aircraft Technology, the Seminal Role of Gander in WWII, and Newfoundland's Entry into the Canadian Confederation

Criminality and Technology

Chair and Commentator: **Jonathan Coopersmith** (Texas A&M University)

Jeffrey R. Yost (University of Minnesota): The March of IDES: The Advent and Early History of Intrusion Detection Expert Systems

John Heitmann (University of Dayton, United States): Stealing Freedom: Automobile Anti-Theft Deterrents, Criminal Countermeasures, and Technological Change, 1900-1970

Dimitrios Pavlounis (University of Michigan) [**Robinson Prize Candidate**]: "Beware the Dictograph": William J. Burns and the Narrative and Visual Culture of Sound Surveillance, 1907-1919

FRIDAY, 7 NOVEMBER

10:30 AM - 12:30 PM

Patterns of Entrepreneurial Behavior in Institutions of Higher Education and Research in the late 19th and early 20th Centuries

Organizer: **Anna Guagnini** (University of Bologna, Italy)

Chair and Commentator: **Thomas Kaiserfeld** (University of Lund, Sweden)

Gabriel Galvez-Behar (University of Lille 3, France): Managing Scientific Patenting in the French Research Organizations during the Interwar Period

Kathryn Steen (Drexel University, United States): Academic Chemists and the US Chemical Industry: Negotiating a Commercial Relationship in the Interwar Years

Anna Guagnini (University of Bologna, Italy): The Role of Giuseppe Colombo and of Galileo Ferraris in the Development of the Italian Electrical Industry and as Institutional Innovators

Joris Mercelis (University of Ghent, Belgium) [**Robinson Prize Candidate**]: Academic Photography in Europe and the United States: A Preliminary Taxonomy of Entrepreneurial Profiles, c.1860-1930

Who Were the Innovators? Consumers, Gender, and Reform in 20th Century America

Organizer: **Renee M Blackburn** (Massachusetts Institute of Technology)

Chair and Commentator: **Matthew Wisnioski** (Virginia Tech)

Ellan Spero (Massachusetts Institute of Technology): Industrial Argonauts: Narratives of Progress and the American Chemical Dream in the Early 20th Century

Renee M. Blackburn (Massachusetts Institute of Technology): The Safest Cars We Can Build: (Re)Defining Auto Safety and Drunk Driving in the 1980s

Joy Rankin (Yale University, United States) [**Robinson Prize Candidate**]: The Paradox of Users: Producing Gender and Consuming Computing

Gerardo Con Diaz (Yale University, United States) [**Robinson Prize Candidate**]: Making Everyone a Pirate: Software, Photocopiers, and the Politics of Copyright Reform in the 1970s

Scales of Disaster

Organizers: **Scott Knowles** (Drexel University, United States),
Keith Breckenridge (University of the Witwatersrand, South Africa), and
Gabrielle Hecht (University of Michigan)

Chair: **Keith Breckenridge** (University of the Witwatersrand, South Africa)

Commentator: **Peter Redfield** (University of North Carolina)

Paul N. Edwards (University of Michigan): Mesozoic Theater: Representing Global Climate Change Fast and Slow

Scott Knowles (Drexel University, United States): Deferred Maintenance: The Politics of Decay and the “Surprise” of Disaster

Daniel Williford (University of Michigan): Cracks Out of Context: Moral Landscapes of Disaster in Agadir, Morocco

Andrea D. Fitzpatrick (University of Ottawa, Canada): Picturing Disaster: Sadegh Tirafkan and the Iran-Iraq War

Threats, Paranoia, and Anxiety

Chair and Commentator: **Molly Berger** (Case Western Reserve University, United States)

Kevin D. Impellizeri (University of Delaware) [**Robinson Prize Candidate**]: “Wake up, Mom and Dad—this isn’t Pac-Man anymore”: Video Games and Moral Panic, 1993-1994

William J. Emerson III (University of Michigan-Dearborn) [**Robinson Prize Candidate**]: Technology and Survivalism

Jason M. Chernesky (University of Pennsylvania) [**Robinson Prize Candidate**]: A “Therm-Antidote” for the White Man’s Burden: British Cooling Technologies and Health in Nineteenth-Century India

Mats Fridlund (Aalto University, Finland) and **Gustaf Nelhans** (University of Borås, Sweden): Engineering the War on Terrorism: The 9/11-Effect on Engineering Research & Technological Products

Collective Decisions

Chair and Commentator: **Joe Corn** (Stanford University, United States)

Erik Nordberg (Michigan Technological University) [**Robinson Prize Candidate**]: Who Determines What Survives: The Smithsonian Institution’s Archival Collections as a Case Study

Diane Wendt (National Museum of American History) and **Mallory Warner** (National Museum of American History) [**Robinson Prize Candidates**]: OncoMice, Plasmid Tubes, and PCR Robots: Collecting and Presenting Biotechnology History at the National Museum of American History

Emily Gann (Canada Science and Technology Museums Corporation): Where is the Room with the Slanted Floor and the Tunnel with the Flashing Lights? Interpreting Technology to Visitors at the Canada Science and Technology Museum

James A. Hodges (Rutgers University, United States) [**Robinson Prize Candidate**]: Self-Appointed Stewards: Unreleased Software and Unofficial Preservation

Conceptualizing Computing

Chair and Commentator: **Thomas J. Misa** (University of Minnesota)

Enrico Beltramini (Notre Dame de Namur University, Canada) [**Robinson Prize Candidate**]: Disruptive Innovation: A Deleuzian Essay (with examples from Silicon Valley)

Christian F. Casper (University of Michigan): Immutable to Mutable Mobiles: The History of Publishing Technology and New Research Frontiers in Actor-Network Theory

Ian S. King (University of Washington) [**Robinson Prize Candidate**]: History of the General Purpose Computer: An Issue of Unit of Analysis?

Digging Deeper

Chair and Commentator: **Fredric Quivik** (Michigan Technological University)

Francesco G. Sacco (The Warburg Institute / Unical, Italy): Humanists and Technology: Creation and Transmission of Mining Knowledge in the Renaissance

Dazhi Yao (Chinese Academy of Sciences): The Failure of an Official Enterprise? The Role of Descriptions des arts et métiers of the Académie des Sciences in 18th Century France

Lisa Haber-Thomson (Harvard University, United States) [**Robinson Prize Candidate**]: The Technology of a Medieval Right: Bartolus and the Water Mill

Cold War Technology Transfer

Chair and Commentator: **Daniel Holbrook** (Marshall University, United States)

Nicholas Lewis (University of Minnesota) [**Robinson Prize Candidate**]: Gorbachev's Gamble: The Personal Computer, Glasnost, and the Fall of the Soviet Union

Elena Kochetkova (National Research University Higher School of Economics, Saint Petersburg, Russia): Overcoming the Reverse Salients: The Soviet Forestry Modernization and Technology Transfer in mid-1940s-1960s

Saara Matala (Aalto University, Finland) [**Robinson Prize Candidate**]: The Technopolitics of Cold War Shipbuilding: Nuclear Ice Breakers in Finnish-Soviet Eastern Trade, 1984-1990

Taking Things Apart

Chair and Commentator: **TBA**

Nelson Arellano (Barcelona Tech, Spain) [**Robinson Prize Candidate**]: Two Solar Desalination Industries in XIXth Century in One Picture

John Baeten (Michigan Technological University) [**Robinson Prize Candidate**]: Disassembly: The Nature of Taking Things Apart

Joanne Goldman (University of Northern Iowa): Why did the US Rare Earth Industry Decline?

Nick LaCasse (University of Alabama-Huntsville) [**Robinson Prize Candidate**]: The Ring That Ruled Them All: Saturn V's Instrument Unit Ring and the Development of Automated Space Flight

Electrical Networks

Chair and Commentator: **Karl-Erik Michelsen** (Lappeenranta University of Technology, Finland)

Daniel McFarlane (Western Michigan University): Canada, the US, and the Envirotechnical Manipulation of Niagara Falls

James M. Morgan (University of Ottawa, Canada) [**Robinson Prize Candidate**]: Straddling the Boundary: Electrical Infrastructure and the Creation of Boundary Localities

Hyungsub Choi and **Junsoo Kim** (Seoul National University, South Korea): The Moving Target: Distribution Voltage Conversion Project in South Korea, 1967-2005

Consequences

Chair and Commentator: **Hugh Gorman** (Michigan Technological University)

Paul Gansky (University of Texas at Austin) [**Robinson Prize Candidate**]: A Malignant Technology? Cell Phones and Conceptions of Health, 1992-1997

Merav Katz-Kimchi (Tel Aviv University, Israel): The Global Asbestos Industry and Local Environmental Struggles

Gard Paulsen (Norwegian University of Science and Technology) and **Hakon W. Andersen** (Norwegian University of Science and Technology): Accidents and Emergency in the Regulation of Maritime Technology and International Shipping

Jongmin Lee (University of Virginia): Filtering Sulfur and Converting Policy: Smokestack Scrubbers and Emission Regulation at the US Environmental Protection Agency, 1970-1980

Expectations

Chair and Commentator: **Suzanne Moon** (University of Oklahoma and *Technology and Culture*)

Johannes-Geert Hagmann (Deutsches Museum, Germany): Ambassadors of the "Fifth Estate": The American Venture in the World Engineering Congress, 1925-1929

Rebecca Slayton (Stanford University, United States): Efficient, Secure, Green: Digital Utopianism and the Challenge of a "Smart" Grid

Massimo Moraglio (Technische Universität Berlin, Germany): A Past with a Future? Technology Salvation in XX Century Mobility Scenarios

FRIDAY, 7 NOVEMBER**2:00 - 3:30 PM*****Irrational Attachments to Technology: The Irony of Military Innovation***

Organizer: **Paul J. Springer** (Air Command and Staff College, United States)

Chair: **Nathan Ensmenger** (Indiana University)

Commentator: **Jonathan Coopersmith** (Texas A&M University)

John Terino (Air Command and Staff College, United States): Cleared in Hot: The Irony of the Impact of Technology upon the Practice of Close Air Support

Paul Hoffman (Indiana University) [**Robinson Prize Candidate**]: Bombing to Lose: Reassessing the Strategic Logic of Suicide Terrorism

Paul J. Springer (Air Command and Staff College, United States): A Rapid Resort to Remotely-Controlled Violence: The Rhetoric and Reality of Unmanned Weapon Systems

Reaching Broader Audiences: The Public History of Technology

Organizer and Chair: **Sheldon Hochheiser** (IEEE History Center, United States)

Commentator: **Allison Marsh** (University of South Carolina)

Sponsored by TEMSIG

Joyce Bedi (Smithsonian Institution, United States): Can You Hear Me Now? Connecting Public Audiences

Howard Segal (University of Maine): Desperately Seeking the Public: Nearly Two Decades on the Maine State Museum Commission

Suzanne Beauvais (Canada Agriculture and Food Museum): Food Preservation: The Science You Eat—From Academic Foodies to the General Public

Nathan Brewer (IEEE History Center, United States): Wikis and Public History: A Case Study of the IEEE Global History Network

Indistinguishable from Magic: Technology and the Occult in Machine-Age America

Organizer: **Robert MacDougall** (Western University, Canada)

Chair and Commentator: **W. Bernard Carlson** (University of Virginia)

Beth Robertson (Carleton University, Canada): Haunted Glass: Gender, Vision, and the Technologies of Interwar Psychical Research

Devon Elliott (Western University, Canada): Mysterious Hearing Aides: Stage Magic Technology for Mind Reading and Spirit Voices

Robert MacDougall (Western University, Canada): The Keely Motor and the History of Impossible Machines

Presidential Roundtable: Literature and Technology

Organizer and Chair: **Martin Collins** (Smithsonian Institution, United States)

Panelists:

David Pike (American University, United States)

Rosalind Williams (Massachusetts Institute of Technology)

Ann Larabee (Michigan State University)

Eric Rabkin (University of Michigan (retired))

Sara Blair (University of Michigan)

Technology for Peasants: Feeding the Nation in Twentieth-Century East and Southeast Asia

Organizer: **Honghong Tinn** (Max Planck Institute for the History of Science, Germany)

Chair and Commentator: **Tiago Saraiva** (Drexel University, United States)

Seung-Joon Lee (National University of Singapore): A Miracle Rice beyond the Great East Asian Co-prosperity Sphere: A Transnational History of Rice Breeding Technology in Twentieth-Century East Asia

Francesca Bray (University of Edinburgh, United Kingdom): Green Revolution Technology in Malaysia: Transformative or Conservative?

Honghong Tinn (Max Planck Institute for the History of Science, Germany): To Raise Pigs or Not: Negotiating over Agricultural Labor, Expertise, and Technology in Singapore's Industrialization

Counterfactual History of Technology – New Stories, New Methods

Organizer: **John K. Brown** (University of Virginia)

Chair and Commentator: **John Staudenmaier, S.J.** (University of Detroit Mercy, United States)

John K. Brown (University of Virginia): Why Counterfactual History and Why Not the Eads Bridge?

Eric Schatzberg (University of Wisconsin): Alternative Paths as Counterfactual History

David Kirsch (University of Maryland) and **Brent Goldfarb** (University of Maryland): Searching for Non-Events: When Are There Not Bubbles?

Scales of Violence

Organizers: **Scott Knowles** (Drexel University, United States),
Keith Breckenridge (University of the Witwatersrand, South Africa), and
Gabrielle Hecht (University of Michigan)

Chair: **Scott Knowles** (Drexel University, United States)

Commentator: **Peter Redfield** (University of North Carolina)

Marissa Mika (University of Pennsylvania): Rocket Launchers, Toxic Drugs, and Infrastructural Violence: Cancer in Postcolonial Uganda

Tirtza Even (Art Institute of Chicago, United States): Once A Wall, or Ripple Remains

Keith Breckenridge (University of the Witwatersrand, South Africa): The Geology of Death: The Science and Magic of Deep-Level Rockbursts on the Witwatersrand Gold Mines, 1900-1990

Gabrielle Hecht (University of Michigan): The Value and Violence of Waste

Picturing-Technology

Chair and Commentator: **Hanna Rose Shell** (Massachusetts Institute of Technology)

Xiaolei Shi (Harbin Normal University, China): Old Chinese Technologies in Sidney D. Gamble's Photographs

Robert Buergler (Northwestern University, United States): Showing Motorists: Drivers, Amateur Photography, and Technological Meaning in the US in the Early 20th Century

Margaret Rosenburg (California Institute of Technology) [**Robinson Prize Candidate**]: Aerial Photography, the Impact Hypothesis, and Lunar Image Rectification

Nuclear Cold War

Chair and Commentator: **Arne Kaijser** (Royal Institute of Technology, Sweden)

Jonathan Ayleen (Manchester Institute of Innovation Research/Newcomen Society, United Kingdom): First Waltz: Development and Deployment of Blue Danube, Britain's Postwar Atomic Bomb

William Logan (Auburn University, United States): Balancing Autarky and Dependence: Tarapur Atomic Power Station, International Aid, and Infrastructural Development in Post-Independence India

Aditi Verma (Massachusetts Institute of Technology, United States) [**Robinson Prize Candidate**]: Releasing Prometheus: Technology Transfer, Control, and the Indigenous Invention of the Indian Pressurized Heavy Water Reactor

Technology Natures Communication

Chair and Commentator: **TBA**

Carl Zimring (Pratt Institute, United States): Is the Polluted Past Prologue to a Sustainable Future? Uses of the Environmental History of Waterways as Pedagogy for Sustainability Education

Ann N. Greene (University of Pennsylvania): Engineering the Erie: The Technopolitics of Water in 19th Century America

Michael Winslow (University of Iowa) [**Robinson Prize Candidate**]: The Culture of Turfgrass: Golf Tourism, Progressive Agriculture, and Technologies of Landscape in North Carolina, 1895-1935

Participation in Innovation

Chair and Commentator: **Lars Heide** (Copenhagen Business School, Denmark)

William Lockett (New York University) [**Robinson Prize Candidate**]: The '99 Half-Life Mod Expo: Genre, Digital Games, and the Field of Computation

Dorothy K. McAllen (Eastern Michigan University) [**Robinson Prize Candidate**]: National Security Policy Constraints on Technological Innovation

Eric S. Hintz (Smithsonian Institution, United States): Invent for Victory! Mobilizing American Independent Inventors during World War II

SATURDAY, 8 NOVEMBER**8:30 - 10:30 AM*****Reconsidering the 1960s: Civil Defense, Aerospace Labor, and Material Culture***

Organizer: **Margaret A. Weitekamp** (Smithsonian National Air and Space Museum, United States)

Chair and Commentator: **Asif A. Siddiqi** (Fordham University, United States)

Margaret A. Weitekamp (Smithsonian National Air and Space Museum, United States): The Material Culture of the Apollo 11 Goodwill World Tour

David H. Onkst (Independent Scholar, United States): "Will the last person leaving . . . Turn out the Lights": Rethinking the Golden Age of 1960s U.S. Aerospace Employment

Sarah Robey (Temple University, United States): Missile Anxiety before Cuba: Reassessing the Cuban Missile Crisis

Health, Harm, Hope: Technological Comprehension and Consumer Health Products

Organizer: **Jeffrey Womack** (University of Houston, United States)

Chair and Commentator: **Joel Howell** (University of Michigan)

Martha Gardner (MCPHS University, United States): "Guilty of Becoming Too Familiar"? Hexachlorophene in Consumer Hygiene Products, 1948-1972

Jeffrey Womack (University of Houston, United States): Consuming Energy: Radiation as a Consumer Health Product

Lara Freidenfelds (Princeton Research Forum, United States): A Little Bit Pregnant? Home Pregnancy Tests and False Certainty

Revisiting HOT Classics

Organizer: **Lee Vinsel** (Stevens Institute of Technology, United States)

Chair and Commentator: **Arthur Molella** (Lemelson Center for the Study of Invention and Innovation, United States)

Jeremy Blatter (Harvard University, United States): Science, Technology, and the Bottom Line: Revisiting David Noble's *America by Design*

Adelheid Voskuhl (University of Pennsylvania): Engineering Studies in Jeffrey Herf's *Reactionary Modernism*

Ken Mondschein (American International College): Changing Times: The History of Time and Technology, Reconsidered

Lee Vinsel (Stevens Institute of Technology, United States): *Technology's Storytellers* as a Political Theology

Bodies of Evidence: Ecologies, Proofs, and the Politics of Risk Perception

Organizer: **Davide Orsini** (University of Michigan)

Chair: **Joy Parr** (University of Western Ontario)

Commentator: **Toshihiro Higuchi** (University of Wisconsin)

Davide Orsini (University of Michigan): Rumors, Gossip, and Events: The Role of Informal Networks in the Construction and Circulation of Risk Perceptions

Lindsey Dillon (University of California, Berkeley) [**Robinson Prize Candidate**]: Pandemonium on the Bay: The Treasure Island Naval Station and the Toxic Legacies of Atomic Defense

Catherine Trundle (Victoria University of Wellington, New Zealand): Veterans of the British Bomb: Military Bodies, Risky Experiments and the Politics of Proof

Jessica Worl (University of Michigan): Local Ecologies and Understandings of Disease: Mercury Exposure and Small Scale Gold Mining in Western Kenya

Presidential Roundtable: Promises and Challenges of Doing International History of Technology

Organizers: **Honghong Tinn** (Max Planck Institute for the History of Science, Germany) and the **SHOT Internationalization Committee**

Chair: **Suzanne Moon** (University of Oklahoma and *Technology and Culture*)

Discussants:

Marta Macedo (University of Lisbon, Portugal): STEP Forward: History of Science and Technology in the European Periphery

Natalia Nikiforova (Saint Petersburg State Polytechnical University, Russia): History of Technology in Russia: Research Traditions and Shifts

Xiaolei Shi (Harbin Normal University, People's Republic of China): Recent Changes in the Field of the History of Technology in China

Édison Renato Silva (Federal University of Rio de Janeiro State, Brazil): An Overview of History of Technology in Brazil

John Bosco Lourdasamy (Indian Institute of Technology Madras, India): History of Technology in India: Some Reflections

Visual Technology Cultures

Chair and Commentator: **Miriam Levin** (Case Western Reserve University, United States)

Joel Beatty (Michigan Technological University) [**Robinson Prize Candidate**]: Color, Culture, and Technology: A History of Indeterminacy

Gokhan Ersan (Art Institute of Chicago, United States): Making Visible and Making Sensible: Visual Thought in Art and Science from Kepler to Klee

Barbara Hahn (Texas Tech University / University of Leeds, United Kingdom): The Notion of Invention: Film Footage of the Industrial Revolution's Devices

Steven Anderson (University of California, Riverside) [**Robinson Prize Candidate**]: The Digital Imaginary: Mainframe Computers from the Corporate Basement to the Silver Screen, 1946-1968

The Sacred and the Unseen

Chair and Commentator: **Jennifer Alexander** (University of Minnesota)

Chris Temple (University of Notre Dame, United States) [**Robinson Prize Candidate**]: Country, God, Notre Dame: The Technology Dynamo's Momentum at the Virgin's University, 1935-1967

Anirban Ray (University of North Carolina Wilmington): Mentalités of Digital Technics: An Alternative History of the Internet and Computer Technologies in India

David Burke (Auburn University at Montgomery, United States): "A Man on the Wing": The Curious History of Gremlins, Fifnellas, and Widgets in Aviation and Elsewhere

Timothy Stoneman (Georgia Tech Lorraine, France): When Religion Meets Technology

Taken for Granted

Chair and Commentator: **Ronald Kline** (Cornell University, United States)

Jessica Lauer (Michigan Technological University) [**Robinson Prize Candidate**]: A Hard Nut to Crack: Material Consciousness and the Nutcracker

Emma Czaja (Boston University, United States) [**Robinson Prize Candidate**]: "A novelty for which the world was not perhaps suffering": The Introduction and Marketing of Orange Holders, 1893-1895

Jon Crylen (University of Iowa): Caissons before Cameras, Submersibles before Screens: Undersea Film's Enabling Technologies, 1914-1932

Stephen Mihm (University of Georgia): The Nuts and Bolts of Modernity

SATURDAY, 8 NOVEMBER

11:00 AM - 12:00 PM

Plenary in Honor of Thomas P. Hughes

Organizer: **Bruce Seely** (Michigan Technological University)

Chair: **Rosalind Williams** (Massachusetts Institute of Technology)

Panelists:

Trevor Pinch (Cornell University, United States)

Amy Slaton (Drexel University, United States)

Arne Kaijser (Royal Institute of Technology, Sweden)

SATURDAY, 8 NOVEMBER**1:30 - 3:00 PM*****The Contingent Nature of Implementing Electrical Systems, 1880-1940***Organizer: **Richard F. Hirsh** (Virginia Tech)Chair: **Terry S. Reynolds** (Michigan Technological University (retired))Commentator: **Arne Kaijser** (Royal Institute of Technology, Sweden)**David E. Nye** (University of Southern Denmark): American Electric Street Lighting and the Definition of Public Space, 1880-1920**Richard F. Hirsh** (Virginia Tech): Reconsidering the Historiography of Rural Electrification: Cultural Attitudes of Businessmen and Farmers during the 1920s**Julie Cohn** (University of Houston): Controlling the Networks of Power: Challenges to Building the Grid, 1900-1940***Engineering Diasporas and Engineers as Immigrants***Organizer and Chair: **Ann Johnson** (University of South Carolina)Commentator: **Ross Bassett** (North Carolina State University)**Sadegh Foghani** (University of South Carolina): The Diaspora of Iranian Engineers in the United States**Ling-Fei Lin** (Cornell University, United States): Trans-border Engineers: Assembling in China**Jonson Miller** (Drexel University, United States): The Transformation of Engineering Knowledge through International Knowledge Transfer***Beyond the Machine: Applications of Information Technologies***Organizer: **Andrew Russell** (Stevens Institute of Technology, United States)Chair and Commentator: **Joseph November** (University of South Carolina)**Ramesh Subramanian** (Quinnipiac University, United States): The Evolution of Signaling and Information Technology in the Indian Railways**Michael McGovern** (University of Cambridge, United Kingdom): A Remarkable Social Device: MOLGEN and the Textual Practices of Bioinformatics**Virginia Kleist** (West Virginia University) and **Nanda Surendra** (West Virginia University): Data Visualization and the Churchill War Cabinet Rooms***Warmth, Motion, Access: Perspectives on Disability under Mass Production***Organizer: **Bess Williamson** (Art Institute of Chicago, United States)Chair and Commentator: **Mara Mills** (New York University, United States)**Bess Williamson** (Art Institute of Chicago, United States): Enabling Ergonomics: Postwar Design and the "Non-Designer" Body**Elizabeth Guffey** (SUNY- Purchase College, United States): The International Symbol of Access and Design Failure**Aimi Hamraie** (Vanderbilt University, United States): Turning the Dial: Bodies, Thermostat Interfaces, and Cold War Design

Roundtable: Historians of Technology, We Need You! Responding to Nicholas Kristof's Indictment of Academia

Organizers: **Shane Hamilton** (University of Georgia) and **Peter Shulman** (Case Western Reserve University, United States)

Commentator: **Debbie Douglas** (MIT Museum, United States)

Panelists:

Shane Hamilton (University of Georgia): The Digital History Project, "History on the Move"

Peter Shulman (Case Western Reserve University, United States): The Digital History Project, "HistOpinion" (Twitter)

Arwen Mohun (University of Delaware): Methods for Training Students in Specific Skills for Cultivating Public Engagement

Finn Arne Jørgensen (Umeå Universit t, Sweden): The Swedish *tredja uppgiften*, the "third mission" of University Faculty

Debbie Douglas (MIT Museum, United States): How the MIT Museum Serves as a Bridge between Scholarship in History of Technology and Broader Publics

W. Bernard Carlson (University of Virginia): Engaging with Diverse "Publics," from Elementary Students to Governmental Institutions and Readers of Biographies

Innovation Boundaries

Chair and Commentator: **Thomas Kaiserfeld** (University of Lund, Sweden)

Matthew Jared Schandler (Lehigh University, United States): Xboxes as Black Boxes: Advertising Incremental Innovations in Home Consoles as Radical Breakthroughs, 1976-2006

Kyle Stine (University of Iowa) [**Robinson Prize Candidate**]: CAD and the History of Computer Animation

Katherine Dykes (MIT / NREL, United States): Early Recognitions of the Challenges for Wind-powered Electric Generator Systems: What Has Changed and What Hasn't

Body Practices

Chair and Commentator: **Projit Mukharji** (University of Pennsylvania)

Jessica Martucci (Mississippi State University): Placentophagy: Nature, Technology, and a History of Eating the Self

Tamar Novick (University of Pennsylvania) [**Robinson Prize Candidate**]: "Turning Urine Into Gold": Pergonal and the Global Circulation of Human Bodily Waste

Jenna Healey (Yale University, United States) [**Robinson Prize Candidate**]: Egg Timers: The At-Home Ovulation Test and the Biomedicalization of Infertility in 1980s America

ConTEXTualism

Chair and Commentator: **TBA**

Ella Klik (New York University) [**Robinson Prize Candidate**]: A (very) Short History of Error Correction: Arthur Schawlow's Laser Eraser

Megan Prelinger (Prelinger Library & Archives, United States): Typographic Design as a Medium for Self-Definition in the Field of Computer Science, 1959-1966

Tae-Ho Kim (Seoul National University Hospital, South Korea): Reinterpreting Vulnerability as Originality: Legacies of Korean Mechanical Typewriter and New Typography for Personal Computers

Technology Transfer

Chair and Commentator: **Bruce Seely** (Michigan Technological University)

Qian Wei (University of Science and Technology Beijing, China): Technical Exchange for Iron and Steel Making between China and US in the Nineteenth- and Early-Twentieth Centuries

Joe Lupton (Georgia Institute of Technology) [**Robinson Prize Candidate**]: Birthing an Asian Tiger: Post-Colonial and Post-War Development of Mass Produced Furniture in Vietnam

Wayne Soon (Princeton University, United States) [**Robinson Prize Candidate**]: Bloody Realities and “Useful” Technologies: the History of the First Chinese Blood Bank, 1943-1945

SATURDAY, 8 NOVEMBER**3:30 - 5:00 PM*****Whither the Past? The History of Technology’s Declining Engagement with pre-1800 History***

Organizer: **Adam Lucas** (University of Wollongong, Australia)

Chair: **Francesca Bray** (University of Edinburgh, United Kingdom)

Commentator: **Robert Friedel** (University of Maryland)

Adam Lucas (University of Wollongong, Australia): The History of Technology before the Industrial Revolution: A Case of Arrested Development?

Steven Walton (Michigan Technological University): When Technology Became Intentional: Early-modern Self-reflexive Analysis of Technology

Pamela O. Long (Independent Scholar, United States): The Uses of Pre-modern History of Technology with Examples from Engineering in Sixteenth-Century Rome, or What SHOT Has Lost

Class, Activism, and Desire: Radio Technology and Institutions in the First Half of the 20th Century

Organizers: **Bruce B. Campbell** (College of William and Mary, United States) and the **2014 SHOT Program Committee**

Chair and Commentator: **Jennifer Light** (Northwestern University, United States)

Derek W. Vaillant (University of Michigan): The Comparative Politics of Radio User-Development in the U.S. and France, 1920-1939

Elizabeth Bruton (University of Leeds, United Kingdom): A Different Class of Radio Set: Social Class and Broadcast Radio Sets in Britain in the 1920s

Bruce B. Campbell (College of William and Mary, United States): Radio and Middle Class Anxiety: Technology and Social Aspirations in 1920s Germany

There’s No Place like Home: Technologies and the Family in the United States

Organizer and Chair: **Cari Casteel** (Auburn University, United States)

Commentator: **Margaret A. Weitekamp** (Smithsonian Institution, United States)

Erinn McComb (Del Mar College, United States): What Made it Possible for Sally to Ride? Technological Connectivity and the Domesticity of Spaceflight, 1958-1983

Kasey Mosley (Mississippi State University) [**Robinson Prize Candidate**]: “To Rethink Her Life”: Gender, Race, and Breast Cancer in American Women’s Magazines

Mark Van Driel (University of South Carolina) [**Robinson Prize Candidate**]: Selling Safety: The Regulated Evolution of the Child Safety Seat in the United States

Presidential Roundtable: Asia as Method

Organizer: **Bruce Seely** (Michigan Technological University)

Chair: **John Dimoia** (National University of Singapore)

Panelists:

Victor Seow (Cornell University, United States)

Tae-Ho Kim (Seoul National University Hospital, South Korea)

J. Megan Greene (University of Kansas)

James Lin (University of California, Berkeley)

Victoria Lee (Princeton University, United States)

Engineering in the Border Regions

Organizer: **Atsushi Akera** (Rensselaer Polytechnic Institute, United States)

Chair: **Ann Johnson** (University of South Carolina)

Commentator: **Amy Sue Bix** (Iowa State University)

Ron Dempsey (Southern Polytechnic State University, United States): A Socio-Historical Analysis of the Development of Engineering Technology in the US and the Creation of the Three-Tiered Structure of Engineering

Jeff Schramm (Missouri University of Science and Technology): Engineers or Regulators? The United States Bureau of Mines prior to WWII

Atsushi Akera (Rensselaer Polytechnic Institute, United States): The Neoliberal Transformation of Texas Higher Education? The Select Committee on Higher Education, 1985-1987

Stories about Computers and Networks

Organizer: **Andrew Russell** (Stevens Institute of Technology, United States)

Chair: **Thomas Haigh** (University of Wisconsin-Milwaukee)

Commentator: **Merav Katz-Kimchi** (Tel Aviv University, Israel)

Marc Weber (Computer History Museum, United States) Use It or Lose It: Historiography and the Preservation of the Online World

Brad Fidler (University of California, Los Angeles) and **Andrew Russell** (Stevens Institute of Technology, United States): Revisiting the First Generation of Internet Histories: ARPA and the ARPANET

James Smithies (University of Canterbury, New Zealand): Connecting the Periphery: A History of Computing in New Zealand, 1950-2000

Roundtable: Collecting the History of Technology at the National Museum of American History

Organizer: **Steven Lubar** (Brown University, United States)

Panelists:

Steven Lubar (Brown University, United States): What's Worth Saving?

Kathy Franz (American University, United States): Collecting Business: History of Technology meets Business History

Peter Liebhold (Smithsonian Institution, United States): Collecting the History of Technology through Social Media

Allison Marsh (University of South Carolina): Engineering History: Making a Legacy Collection Modern

Making Europe: Technology and Transformations, 1850-2000Organizer: **Arne Kaijser** (Royal Institute of Technology, Sweden)Chair: **Nina Wormbs** (Royal Institute of Technology, Sweden)Commentator: **Rosalind Williams** (Massachusetts Institute of Technology)**Suzanne Lommers** (Foundation for the History of Technology, Netherlands) and **Johan Schot** (Sussex University, United Kingdom): Inventing Europe: A Digital Science and Technology Museum Inventing Europe**Ruth Oldenziel** (Eindhoven Technical University, Netherlands): The People Who Shaped Europe: Users, Tinkerers, Rebels**Arne Kaijser** (Royal Institute of Technology, Sweden): Europe's Infrastructure Transition: Economy, War, Nature**Johan Schot** (Sussex University, United Kingdom): Writing the Rules for Europe: Experts, Cartels and International Organizations***Users and Mediators***Chair and Commentator: **Michael Neufeld** (Smithsonian National Air and Space Museum, United States)**Anna Carlsson-Hyslop** (University of Manchester, United Kingdom): The Decline of Solid Fuel and the Rise of Natural Gas for Domestic Heating in Britain: A Straightforward Transition?**Susan V. Spellman** (Miami University, United States): Technology Adoption from the Bottom Up: The Case of the Cash Register**J. S. Clemens** (University of Minnesota) [**Robinson Prize Candidate**]: Defining Play: Mediators in the Rise and Fall of Video Arcades***Disruptive Technologies: Subversion, Accident, and Interpretive Flexibility in Musical Production***Organizer and Chair: **Susan Schmidt-Horning** (St. John's University, United States)Comment: **By the Audience****Anthony Meynell** (University of West London, United Kingdom): "They're Coming to Take Me Away Ha-Haaa!": Tape Manipulation, Mayhem, and Madness in the 1960s Recording Studio**Asif Siddiqi** (Fordham University, United States): The Virtuosity of Playing Computers: Detroit Techno, Nine Inch Nails, and the (Mis)use of Technologies**Simon Zagorski-Thomas** (University of West London, United Kingdom): Direction in Music by Miles Davis: Using the Ecological Approach to Perception Embodied Cognition to Analyze the Creative Use of Recording Technology in Bitches Brew**SUNDAY, 9 NOVEMBER****8:00 AM - 12:00 PM*****EDITH Workshop: Diversity, Pedagogy, and the History of Technology***

Join EDITH (Exploring Diversity in Technology's History) on Sunday morning (yes, Sunday morning!), 9 November, as we begin to put together a compendium of resources (books, syllabi, notes, questions, experiences, etc.) on incorporating issues of class, race, gender, sexuality, and disability into the teaching of the history of technology. Come with your war stories, your insights, your creativity, and your questions. Our goal is to make available what we produce together on EDITH's future webpage. We will begin with breakfast at 8:00 AM, followed by the workshop from 9:00 AM - 12:00 PM. If you have any questions, please contact EDITH scribe Tisha Hooks: tisha.hooks@gmail.com. See you Sunday!

8:00 AM - 12:00 PM***Albatrosses Sunday Breakfast and Workshop***

Following breakfast at Tria, the conference hotel's restaurant, at 8:00 AM, the Albatrosses will meet for a works-in-progress and mentoring session beginning at 9:00 AM. Graduate students and recent postdocs are invited to talk for no more than 5 minutes (no notes, no PowerPoint) about their dissertation / new project and ask the group for comments, advice, and help. This is an excellent opportunity to share your work, obtain useful feedback, and learn about others' work. If you have any questions, please contact Debbie Douglas at ddouglas@mit.edu.

9:00 - 10:30 AM***Prometheans History of Engineering Roundtable: Methods, Sources, and Tools***

Following breakfast at Tria, the conference hotel's restaurant, at 8:00 AM, the Prometheans will gather for the first of two sessions on Sunday morning, a roundtable featuring short provocative presentations on innovative or problematic sources and methods for both teaching and research. After the initial brief presentations, the floor will be open for discussion and input from the audience.

Atsushi Akera (Rensselaer Polytechnic Institute, United States): Dealing with Life Histories and Source Material in the History of Engineering Education

Lars Heide (Copenhagen Business School, Denmark): Actor Network Theory

Benjamin Gross (Chemical Heritage Foundation, United States): The Use of Artifact Collections to Teach the History of Engineering and Technology

Ann Johnson (University of South Carolina): Using Social Network Analysis to Investigate Historical Relations among Engineers

9:00 AM - 5:00 PM***SIGCIS Workshop***

When the history of computing began to emerge as a scholarly field forty years ago its first practitioners and consumers were computing pioneers, who favored technical accounts focused on the first electronic computers. Since then the field has developed in many directions, attracting scholars trained in a variety of historical traditions and working on a broad range of topics, time periods, and geographical settings. Work on the history of computing is increasingly influenced by methods and questions from broader fields and, in turn, is influencing scholars in other communities. This undermines the traditional, hardware-centered master narrative of computing and challenges us to integrate computing into a variety of broader historical stories—which is the central task for scholars presenting at the 2014 SIGCIS Workshop, “Computing the Big Picture.”

The workshop will begin at 9:00 AM, and it will include lunch. For more information, please visit <http://www.sigcis.org/workshop14>.

11:00 AM - 12:00 PM***Prometheans History of Engineering Course Development Workshop***

Following the Prometheans History of Engineering Roundtable at 9:00 AM, there will be a hands-on workshop on course and syllabus design and development at 11:00 AM, featuring **Jeff Schramm** (Missouri University of Science and Technology). For more information on either of the Prometheans' Sunday sessions, please contact Ann Johnson (ajohnson@mailbox.sc.edu).

TOURS

Please note that seating is limited on all tours and that most tours sell out, so please register early!

Note that all tours will depart promptly from the lobby of the conference hotel, The Henry, at the times listed below.

Thursday, 6 November**11:00 AM - 5:00 PM****Detroit Tour: Ruins and Rebirth**

Limited to 15 people. Cost is \$20 per person.

Led by da Vinci medalist and former *T&C* editor John Staudenmaier, this bus tour of Detroit will focus on the ruins of the Motor City's past as well as the brilliant gems of its ongoing rebirth. The tour, as described by John M. Staudenmaier, SJ:

Many of us Detroiters call the pervasive narrative about our city "Ruins Porn." We hear this narrative anytime someone from someplace else parachutes into the city, seeks out pictures of shocking dereliction, ignores everything else, and flies home to write the same old Detroit story: "violent, collapsing, shocking decay, uninhabitable . . ." The photographs are real enough; there are tough places in the city. What makes us call them "porn" is the selective filter of the photographer who ignores the

larger context of a city in the process of its rebirth. That's the second Detroit narrative: "Rebirth." Over the past 3-4 years I have taken to reading the city's two major daily papers (*Detroit Free Press* and *Detroit News* as well as the daily on-line version of *Crain's Detroit Business*). I've never made a strict count but I'd guess I read 6-10 "Detroit Rebirth" stories every week.

For the "Two Detroit Narratives" tour we will rent a 15-passenger van, take off from the conference hotel at 11:00 AM and cruise around the Detroit of both narratives. Lots of tough places, lots of elegant places. Some of the elegance is not so much rebirth as it is the phenomenon of a powerful, 100-year-plus center of Detroit culture which has (here's the rebirth part) attracted investment around it to restore or expand its presence in the city. "Rebirth" stops on the tour will include Belle Isle, Detroit Symphony Hall, Eastern Market, the center-city Woodward corridor, the river front, and the just-planted, 15,000 maple-tree urban farm on the East side. "Ruins porn" sites will include the Michigan Central Station, the Packard plant (time permitting), and a selection of some of the city's 70,000 derelict buildings. You'll get a lot of back-stories about both narratives before we arrive back at the conference hotel by 5:00 PM.

12:30 - 3:00 PM

Ford Rouge Factory Tour, group 1

2:00 - 4:30 PM

Ford Rouge Factory Tour, group 2

Each tour is limited to 40 people.

Cost is \$25 per person.

Nearly 100 years old and constantly changing, the Ford Rouge Complex made history as Henry Ford's pinnacle of vertical integration. Today, 6,000 employees, a fleet of automated guided vehicles, hundreds of robots, and complex webs of just in time parts show how manufacturing is still alive and well. On this tour, you'll step inside the Dearborn Truck Plant where the all-new, military-grade-aluminum-bodied 2015 F-150 trucks are being launched. You'll also get a birds-eye view of the 10.4-acre living roof and other environmental features designed by Bill McDonough that made this plant a laboratory of sustainable manufacturing and redevelopment.

For both groups, buses to the Rouge Complex will depart directly from the conference hotel. Return buses will offer optional stops at the Henry Ford museum as well as the conference hotel. The tour itself is indoors, 16 feet above the final assembly lines inside the Dearborn Truck Plant (1/3-mile walk altogether). No pictures or videos are allowed inside the truck plant itself, but they are welcome in the visitor center.

Sunday, 9 November

12.30 - 6:00 PM

Tour of Walkerville, Home of Hiram Walker's Distillery, in Windsor, Ontario

Limited to 30 people. Cost is \$50 per person.

Walkerville in Windsor, Ontario, is a "Company Town" created by the Hiram Walker Distillery starting in the 1890s. The availability of rail transportation attracted industrial enterprises to the area, and brought great prosperity to the Walker family and their town. Britain's innovative "Garden City Plan" was well established when the Walkers' main architects – Mason & Rice, and Albert Kahn – were active in the town in the 1930s. This tour will begin at the Canadian Club brand center for a video on whisky production and the history of prohibition, and whisky tasting. Next we'll drive through the neighborhood to show you the workers' and managers' houses, stopping for a walk through the grounds of Willistead Manor (the boss's home). Finally we'll end with a stop at the Walkerville Brewery, a historic Brewery re-created in a Walker whisky warehouse.

10:00 AM - 3:00 PM

Tour of the Diego Rivera Murals at the Detroit Institute of Arts

Limited to 15 people. Cost is \$30 per person

Details on this tour will appear on the SHOT website later in the summer. For a glimpse at the murals, please visit <http://www.dia.org/art/rivera-court.aspx>.

**57th MEETING OF THE SOCIETY
FOR THE HISTORY OF TECHNOLOGY
Dearborn, Michigan - 6 -9 NOVEMBER 2014**

REGISTRATION FORM

Sorry, but we cannot process registrations sent by email.

Please PRINT CLEARLY to avoid delays in processing your registration.

Last Name _____

First Name _____

Street Address _____

City & State _____

Country _____

Zip/Postal Code _____

Phone _____

Fax _____

Email _____

BADGE INFORMATION

Registrant's Name _____

Affiliation/ Organization/ Institution _____

City & State _____

Name of accompanying person (if applicable) _____

**Mail to: David N. Lucsko, SHOT Secretary
Department of History
301 Thach Hall
Auburn University, AL 36849-5207 USA**

HOTEL PLANS

At this time, are you planning to stay at

_____ **The Henry**

_____ **The Dearborn Inn**

_____ **another hotel**

_____ **With family or friends**

_____ **At home (I'm local)**

Please note that SHOT is collecting this data solely for planning purposes and that you need to make your own hotel reservations. Note that **graduate students and underemployed scholars** who wish to apply for rooms available at reduced rates should contact Jane Carlson at shotmtg@auburn.edu.

REGISTRATION — by 1 October 2014

<input type="checkbox"/> SHOT member	\$220
<input type="checkbox"/> SHOT member underemployed scholar/retired	\$185
<input type="checkbox"/> SHOT student member	\$185
<input type="checkbox"/> Non-SHOT member	\$285*
<input type="checkbox"/> Non-SHOT member student	\$230*
<input type="checkbox"/> Fee for attending spouse	\$ 25

Late Registration — after 1 October 2014

<input type="checkbox"/> SHOT member	\$240
<input type="checkbox"/> SHOT member underemployed scholar/retired	\$205
<input type="checkbox"/> SHOT student member	\$205
<input type="checkbox"/> Non-SHOT member	\$305*
<input type="checkbox"/> Non-SHOT member student	\$250*

*Non-SHOT members may join the Society for \$64 (\$34 for students) and then be eligible for member registration. Membership includes a subscription to *Technology and Culture*. To join, please visit <http://www.historyoftechnology.org/benefits.html> and be sure to send a note with your registration indicating your SHOT membership. *Please note your membership will be verified and the extra fee will be charged to your credit card if membership is not up-to-date as of 1 October 2014.*

TOURS AND ACTIVITIES

Thursday 11:00 AM - 5:00 PM

Detroit Ruins and Rebirth

\$20 per person

(limited to 15)

(registrant)

(name of accompanying person)

Sunday 10:00 AM - 3:00 PM

Diego Rivera Murals Tour

\$30 per person

(limited to 15)

(registrant)

(name of accompanying person)

Thursday 12:30 - 3:00 PM

Ford River Rouge Factory Tour (group 1)

\$25 per person

(limited to 40)

(registrant)

(name of accompanying person)

Sunday 12:30 - 6:00 PM

Walkerville, Windsor, Ontario

\$50 per person

(limited to 30; passport required)

(registrant)

(name of accompanying person)

Thursday 2:00 - 4:30 PM

Ford River Rouge Factory Tour (group 2)

\$25 per person

(limited to 40)

(registrant)

(name of accompanying person)

6 November - 9 November

**Pass to the Ford Museum and
Greenfield Village at The Henry Ford**

\$5 per person

(registrant)

(name of accompanying person)

SHOT EVENTS

THATCamp, Thursday
 To register for **THATCamp**, please visit
<http://shot2014.thatcamp.org/register>
 (registration opens 1 September 2014)

Thursday evening
Plenary Reception, The Henry Ford
 \$15 per delegate; \$15 per guest

(registrant)

(name of accompanying person)

Friday morning **Graduate Student Breakfast**
 No Charge
 (open only to current graduate students)

(registrant)

Friday evening
Eagle Tavern Event at Greenfield Village
 \$55 per person (limited to 180)

(registrant)

(name of accompanying person)

*If you have special dietary requirements, please contact Jane Carlson at shotmtg@auburn.edu as soon as possible.

Saturday evening
Awards Banquet
 \$45 per person

(registrant)

(name of accompanying person)

*If you have special dietary requirements, please contact Jane Carlson at shotmtg@auburn.edu as soon as possible.

SIG EVENTS

SIGCIS
Friday Lunch \$9 per person

(registrant)

(name of accompanying person)

WITH
Friday Lunch \$9 per person

(registrant)

(name of accompanying person)

Jovians-Mercurians
Friday Lunch \$9 per person

(registrant)

(name of accompanying person)

Envirotech
Saturday Breakfast \$7 per person

(registrant)

(name of accompanying person)

Prometheans
Saturday Lunch
 No charge (to be held in a restaurant, with each attendee paying for his/her own lunch)

(registrant)

(name of accompanying person)

SHOT Asia Network
Sunday Breakfast Meeting
 \$7 per person

(registrant)

(name of accompanying person)

Prometheans
Sunday Morning Roundtable and Workshop
 \$15 per person

(registrant)

(name of accompanying person)

Albatrosses
Sunday Breakfast Meeting
 No charge (to be held at Tria, the hotel restaurant,
 with each attendee paying for his/her own breakfast)

(registrant)

(name of accompanying person)

EDITH
Sunday Breakfast Meeting
 \$7 per person

(registrant)

(name of accompanying person)

Albatrosses
Sunday Workshop Session \$15 per person

(registrant)

(name of accompanying person)

EDITH
Sunday Morning Workshop \$15 per person

(registrant)

(name of accompanying person)

Prometheans
Sunday Breakfast Meeting
 No charge (to be held at Tria, the hotel restaurant,
 with each attendee paying for his/her own breakfast)

(registrant)

(name of accompanying person)

SIGCIS
Sunday Workshop
 \$25 per person (includes lunch)

(registrant)

(name of accompanying person)

TOTAL for registration, tours, meetings & receptions: \$ _____

Credit Card: MASTERCARD or VISA (Please circle)

Card # _____

Expiration date ____/____/____ 3-digit security code _____

Please print clearly or we will be unable to process your registration.

Address on credit card statement

Date _____

Signature _____

Check # (U.S. Funds — U.S. Bank) _____

(Name and address must be printed on check)

Please note that your registration is only confirmed after we process your payment. A receipt will be sent by email.

REFUND POLICY

Until 1 October 2014

A full refund will be given of the registration fee plus tours, meals, and any other costs.

Between 1 October and 31 October 2014

50% of registration fee. Banquet cost and SIG meals fully refundable. Tour refunds **may** be offered at the discretion of the SHOT office.

After 31 October 2014

No refunds.

Registration forms should be mailed to SHOT at the address listed on the first page.

We cannot accept registration forms sent by email for security reasons related to credit card fraud. Any registration sent by email will need to be resubmitted by regular mail.

CONFERENCE HOTELS IN DEARBORN

We are pleased to announce that you can begin reserving rooms at the conference hotels for SHOT 2014:

1) The Henry, Autograph Collection

300 Town Center Drive

Dearborn, Michigan, 48126

Tel: (313) 441-2000 / **Fax:** (313) 441-2051

Email: info@behenry.com / www.behenry.com

This is our main conference hotel where we will host our Saturday sessions, awards banquet, and Sunday SIG activities. Our special SHOT conference rate is \$120/night for a single or double. Hotel rooms in Dearborn are taxed 14%. The conference rate is available from Wednesday, 5 November through Sunday, 9 November. This rate includes **complimentary Internet service** throughout the hotel as well as access to the Health Club and complimentary self-parking. This rate is available until **10 October** or until our room block is sold out, so be sure to make your hotel reservations early!

To reserve your room at the conference rate, please call The Henry at **+1 313-441-2000**. Be sure to mention that you are coming for the SHOT meeting. The hotel prefers that conference reservations are done by telephone and not via its website.

2) The Dearborn Inn

20301 Oakwood Boulevard

Dearborn, Michigan, 48124

Tel: (313) 271-2700

<http://www.marriott.com/hotels/travel/dtwdi-the-dearborn-inn-a-marriott-hotel>

We have also booked a small block of rooms at the Dearborn Inn, located across the street from The Henry Ford. This is where the Executive Council will meet on Wednesday and Thursday. Our special SHOT conference rate is \$120/night for a single or double, plus 14% tax. The conference rate is available from Wednesday, 5 November through Sunday, 9 November. This rate is available until 10 October or until our room block is sold out, so be sure to make your hotel reservations early!

To reserve your room at the conference rate, please call the Dearborn Inn at **+1 313-271-2700**. Be sure to mention that you are coming for the SHOT meeting. The hotel prefers that conference reservations are done by telephone and not via its website.

Reduced Rates for Graduate Students and Underemployed Scholars

As SHOT has done in the past, we have made arrangements with a nearby hotel to provide rooms at reduced rates for graduate students and underemployed scholars (transportation between the graduate student hotel and the conference hotel will be provided). Because these rooms are only available to *bona fide* graduate students and underemployed scholars, we ask that you please contact Jane Carlson at (shotmtg@auburn.edu) for further information about these rooms, or to book a spot. Please do not contact the hotel directly about this, as they cannot book these rooms for you.

CALL FOR PROPOSALS FOR HOSTING FUTURE MEETINGS

The SHOT Sites Committee invites inquiries from North American and international institutions wishing to host a future annual meeting of the Society. The Society has confirmed the locations of annual meetings through 2017, so we are seeking institutions willing to host a meeting in 2018 and beyond.

Applicants are expected to submit a “letter of intent” to the committee. The letter should include proposed dates; the reason or motivation for hosting the meeting; adequacy of the proposed location and availability of accommodations; estimated travel and lodging costs; indication of institutional support; possible tours, events, and other activities; and the names of people willing to serve on a local arrangements committee. Specific guidelines for the letter of intent are described in the SHOT Sites Committee Handbook, which will be made available upon request. Letters of intent are due to the committee by **1 September 2014**.

Please direct inquiries to the Sites Committee chair, Anna Guagnini (University of Bologna) at anna.guagnini@unibo.it, +39.051.2098670.

Locations and Dates of Future SHOT Meetings:

- 2014** 6-9 November, Dearborn, Michigan
(hosted by The Henry Ford)
- 2015** 8-11 October, Albuquerque, New Mexico
- 2016** 23-27 June, Singapore (hosted by the
National University of Singapore)
- 2017** 24-30 October, Philadelphia, Pennsylvania

ELECTIONS

The 2014 ballot is located following the candidate biographies. Online balloting is available through the SHOT website (www.historyoftechnology.org). To ensure that only SHOT members can vote, you will need to log in to the members-only section of the website in order to access the ballot; the username and password prompt is located at the top right corner of the main SHOT page. If you have difficulty logging in, or if you have not yet set up your username and password, please contact Alta H. Anthony of the Journals Division of the Johns Hopkins University Press (aha@press.jhu.edu).

Alternatively, you may mail in the paper ballot. Please note that in order to ensure that only SHOT members vote, you will need to include your membership number on the ballot. As in previous years, faxed copies will not be accepted. The deadline for submitting ballots is **3 October 2014**.

This year's ballot includes candidates for Vice President/President Elect as well as for the Executive Council, Nominating Committee, Editorial Committee, and Treasurer. The Executive Council is SHOT's governing board and works with the Society's officers to plan and set policy. The Nominating Committee is responsible for selecting individuals to run for office and preparing the slate of candidates for each year's election. The Editorial Committee works with the editor of *Technology and Culture* in addressing questions relating to the operation of the journal. Members of the Council and the Nominating Committee serve for three years, while the members of the Editorial Committee serve for five years. The Treasurer will serve a two-year term, renewable twice (for up to six total years).

CANDIDATES FOR VICE PRESIDENT / PRESIDENT ELECT

John Krige: John Krige was appointed Kranzberg Professor in the School of History Technology and Society at the Georgia Institute of Technology in the year 2000, where he has also spent the last six years as its Director of Graduate Studies. He has a PhD in

Physical Chemistry and another in the Philosophy of Science from the UK. He worked on two large contracts in Europe writing the histories of CERN (European Organization for Nuclear Research) and of ESA (European Space Agency), before being appointed the Director of the Centre for Research in the History of Science and Technology at La Villette in Paris, moving on subsequently to Georgia Tech.

Krige is an institutional and social historian whose research focuses on science and technology as instruments of the foreign policies of the US and West European governments in the cold war. He is the author, co-author, or editor of some twenty books, including *American Hegemony and the Post-war Reconstruction of Science in Europe* (MIT Press, 2006); *NASA in the World: Fifty Years of International Collaboration in Space*, with co-authors Angelina Long Callahan and Ashok Maharaj (Palgrave-Macmillan, 2013); and *Science and Technology in the Global Cold War*, co-edited with Naomi Oreskes (MIT Press, November 2014). He edited the journal *History and Technology* for about fifteen years. He has also been an active member of both SHOT and HSS for many years, both as a participant in most annual conferences and in various service capacities.

I am honored to be considered a candidate for election to serve SHOT as Vice President. This is an exciting time for the Society, with the annual meeting in Singapore scheduled for 2016. This attempt to engage with Asia is both an opportunity to increase our regional reach and to reflect on what we need to do to make the Society worthwhile for its members. Building ties abroad needs to be complemented by revitalizing the society at home. Some ways to do this are already in the pipeline, e.g. making better use of social media, reorganizing our annual meeting to include more informal panels, engaging with scholars from different fields related to ours, actively including international scholars in the Society, and so on. I would aim to work with the President to build on these initiatives, experimenting

with others in consultation with the membership as we move forward. Overall I favor a proactive President and Executive Council that devise and implement a range of strategies to enhance intellectual energy, promote multidisciplinary, stimulate international involvement, and expand the member base to ensure the long-term viability and vitality of the Society.

Arthur P. Molella: It is an honor to be nominated for Vice President of SHOT. I'm founding director of the Smithsonian's Lemelson Center for the Study of Invention and Innovation at the National Museum of American History (NMAH), now in its 20th year. At NMAH, I have also served many years in other management capacities, as Assistant Director and department chair in science and technology, as well as curator of Electricity. Before arriving at NMAH, I was Associate Editor of the Joseph Henry Papers.

As curator of a new exhibition on NMAH's 50th anniversary, I have had occasion to reflect on SHOT's special relationship with the Museum since its birth in 1964 as the Museum of History and Technology (MHT). In a 1991 article for *T&C*, I showed how deeply rooted MHT was in the history of technology. Throughout my career at the Smithsonian, I have sought to foster the SHOT relationship, from supporting the editorial offices and serving as book review editor for *T&C* to joining SHOT's Executive Council and hosting our Society's 50th anniversary meeting in Washington in 2007 as local arrangements chair. I have also encouraged relations between our field and museums in general, as collaborators and as a career path for young scholars.

At the Lemelson Center, it has been my priority to keep the spirit of SHOT alive at the Museum and before the public. I have raised substantial funds for the field. I am proud that our Lemelson Fellowships have supported SHOT members such as Reggie Blaszczyk, winner of the Sally Hacker Prize in 2013 (and formerly on the Museum staff). The Center has collaborated with SHOT on initiatives to widen the audience for the history of technology. We have enlisted many SHOT members in our symposia and seminars, Lemelson-MIT book series, educational

programs, documentation projects, exhibitions, and on our advisory committee

I strongly believe that SHOT's perspectives on technology are more important than ever to the general public. I draw inspiration from my studies (published in *T&C* and elsewhere) of such SHOT forerunners as Sigfried Giedion, A.P. Usher, and, especially, Lewis Mumford, pioneering thinkers about the societal and moral relations of technology. I have explored the connections between technology, innovation, and modernity in my book with Robert Kargon, *Invented Edens: Techno-cities of the 20th Century* (2008) and as sponsor of an ongoing international Eco-Cities initiative, engaging colleagues in Britain, China, Korea, the Middle East, and elsewhere. I am co-author of a recently completed book manuscript on technology and ideology in international expositions in the era of World War II. At NMAH, I have established strong international collaborations with European, Asian, and Australian institutions.

If elected, I will seek to continue raising the public profile of the history of technology. While not surprised that the new generation is unaware of NMAH's origins as the Museum of History and Technology, I want to remind them of that crucial interconnection. At the Lemelson Center, I have tried to show through historical context that innovation can be more than an empty buzzword. Properly understood, innovation can be both inspirational and empowering—an idea we are putting into practice at the Lemelson Center with our upcoming exhibition and book on *Places of Invention*. I have had extensive experience bridging scholarly and general, nonprofessional audiences. I will draw upon this experience to build connections between SHOT and museums, schools and universities, historical societies, the media, policy groups, and concerned philanthropic/granting organizations. In short, I will endeavor to broadcast SHOT's mission as widely as possible.

CANDIDATE FOR TREASURER

Ross Bassett: I am an associate professor of history at North Carolina State University, in Raleigh, North Carolina, where I am also the director of the

Benjamin Franklin Scholars (a dual degree program in humanities and engineering). I received a BS degree in electrical engineering from the University of Pennsylvania and then worked at IBM. I later earned a masters in history from Cornell and my PhD from Princeton. I received the 2009 IEEE Life Members' Prize in Electrical History for my *T&C* article, "Aligning India in the Cold War Era: Indian Technical Elites, the Indian Institute of Technology at Kanpur, and Computing in India and the United States." I was a co-founder of the Prometheans SIG and am a member of that and SIGCIS. My research has focused on the history of semiconductor technology, and more recently on technological connections between India and the United States. I am currently completing a book on Indian graduates of MIT.

SHOT has been my primary professional home for the last quarter of a century. Over the last decade first Richard Hirsch and then Hugh Gorman have been outstanding stewards of SHOT's financial resources. I thank them (and their predecessors) for establishing a clear framework for the position, which I plan to continue. I am happy to have the opportunity to serve in this position and look forward to working with the other SHOT officers.

CANDIDATES FOR THE EXECUTIVE COUNCIL

Mats Fridlund: My history with SHOT goes back to 1992 when I was an excited Swedish graduate student working at the SHOT meeting in Uppsala. Today I am an associate professor of the history of industrialization at Aalto University School of Engineering in Finland, and I have held faculty positions in history, STS, international studies, and political science in the UK, US, Sweden, and Denmark. I have been a SHOT International Scholar and have served on SHOT's Nominating Committee, IEEE Life Members Prize, and Usher Prize Committees. I've also held positions in ICOHTEC and the IEE History of Technology Network in the UK.

If elected to the Executive Council I would bring my varied international and multidisciplinary experiences and priorities to SHOT. Among my foremost ambitions would be to work on expanding SHOT's cross-disciplinary outreach as well as trying to set

up initiatives strengthening our field's conceptual and methodological development. I feel that it is important for SHOT to work on expanding our engagement with neighborly disciplinary communities, possibly through setting up cross-disciplinary international arenas such as joint summer schools and workshops to collaboratively discuss shared conceptual issues on technological use, culture, and politics in the past and present.

These ambitions relate to my research on the political history of technology and engineering since the 18th century. My first book was on the role of industrial nationalism, professional networks, and critical problems in the origin and development of Swedish electric power technologies. My current research, while keeping a conceptual emphasis on technopolitics, has shifted my empirical focus to the role of technology in the origin and globalization of terrorism in the 19th and 20th centuries. Additionally I have been engaged in developing research and graduate teaching on materiality studies, digital history, and history of emotions. As a student and young scholar SHOT and especially its Special Interest Groups have provided me with intellectual stimulus and professional and personal companionship, and my long and very rewarding SHOT experience makes me very much value this opportunity to give back and pay forward to "my" society.

Scott Gabriel Knowles: It is an honor to be a candidate for SHOT's Executive Council. If elected I will work towards four goals: 1) further develop SHOT's capacity to support online scholarly work; 2) pursue collaborative ventures between the history of technology and related disciplines; 3) expand international outreach with the goal of making SHOT a truly global society; and 4) support involvement of SHOT members in the public sphere through media and policy engagement.

I presented my first academic conference paper at a SHOT meeting and have been a consistent member since the late 1990s. I was awarded the Levinson Prize in 2003, and was thrilled to be one of the four discussants in the opening plenary at the Portland meeting last year. I have reviewed books for *Technology and Culture*, and served on the Robinson Prize Committee (2004-2007), Conference Travel

Committee (2007-2009), and the Levinson Prize Committee (current). In 2013, I joined the Ad Hoc Committee on Structure and Organization.

My scholarly work focuses on the intersection of technology, public policy, and disaster. I am an associate professor and interim department head for history at Drexel University. I earned my Ph.D. (2003) in the Department of the History of Science, Medicine, and Technology at Johns Hopkins University. I am the author of *The Disaster Experts: Mastering Risk in Modern America* (Penn Press, 2011) and the editor/co-author of *Imagining Philadelphia: Edmund Bacon and the Future of the City* (Penn Press, 2009). I am presently working on a monograph about United States disaster policy, tentatively titled *The United States of Disaster*, and an edited volume about the Fukushima disaster. I am the series co-editor (with Kim Fortun) of “Critical Studies in Risk and Disaster,” a new initiative of the University of Pennsylvania Press.

Eda Kranakis is Professor in the Department of History at the University of Ottawa in Canada. A historian of science and technology by training, she is the author of *Constructing a Bridge: An Exploration of Engineering Culture, Design, and Research in Nineteenth-Century America* (MIT Press, 1997), which was included in the American Library Association’s list of “Outstanding Academic Books.” More recently, she co-edited a book with Nil Disco that explores the idea of “commons” in a contemporary, transnational context – *Cosmopolitan Commons: Sharing Resources and Risks across Borders* (MIT Press, 2013). She has also published articles on a range of topics from the Quebec bridge collapse to aviation history, history of computing, and the history of intellectual property, such as the recent article “Business TRIPS: American Corporations and Patents Head to the Global South,” in *Knowledge Management and Intellectual Property: Concepts, Actors and Practices from the Past to the Present*, ed. Stathis Arapostathis and Graham Dutfield (Edward Elgar, 2013). She was awarded SHOT’s Abbott Payton Usher Prize in 1985 for her article, “The French Connection: Giffard’s Injector and the Nature of Heat.” Her current research focuses on the cultural history of aviation, and she is also undertaking a project on the history of the debate over “peak oil” in Canada.

It is a privilege for me to be nominated to run for election to the Executive Council of SHOT. I believe in the importance of devoting time and energy to academic service and over the years have contributed to SHOT’s mission through work on several committees. I am currently serving on the editorial board of *Technology and Culture*, and have served on the Edelstein Book Prize committee, the SHOT program committee, and the Nominating Committee. In Canada I have also served for many years on committees of the Canadian Science and Technology Historical Association (CSTHA), which publishes *Scientia Canadensis*, a journal devoted to the history of science and technology in Canadian and comparative contexts. Currently I am serving as President of the CSTHA.

My interests for SHOT are to further build the society’s role as the premier meeting ground for historians of technology from around the world; to further enhance the contributions this organization makes toward building greater appreciation of technology’s many roles in shaping paths of historical change; and to promote the expansion of expert historical knowledge that can help to inform public debate about policy issues related to technology.

Mara Mills is an Assistant Professor of Media, Culture, and Communication at New York University, where I am on the steering committee of the Science and Society minor and co-direct the Council for the Study of Disability. Previously, I was a Mellon postdoctoral fellow in the Department of History and Sociology of Science at the University of Pennsylvania. I received B.A. degrees in Biology and Literature and a Master’s in Education from the University of California, Santa Cruz. I taught high school science for several years before switching careers and working toward an M.A. in Biology and a Ph.D. in History of Science at Harvard. I am currently completing a book (*On the Phone: Deafness and Communication Engineering*) on the significance of phonetics and deaf education to the emergence of “communication engineering” in early twentieth-century telephony. My second book project, *Print Disability and New Reading Formats*, is in the research stage, funded by an NSF Scholars Award. This project examines the reformatting of print over the course of the past century by blind and other print disabled readers, with a focus on Talking

Books and electronic reading machines. More details about my publications and awards can be found at my academic webpage, http://steinhardt.nyu.edu/faculty_bios/view/Mara_Mills.

My very first academic talk—at the 2006 SHOT conference in Las Vegas—was subsidized by a Women in Technological History (WITH) travel award. That same year I received the Kranzberg dissertation fellowship. I am personally grateful to the membership of SHOT for the society's commitment to graduate student support. If elected, I will work toward expanding student and post-doctoral membership through recruitment in fields allied with the history of technology. As chair of this year's Kranzberg committee, I have been inspired by the range of sites where the history of technology is currently a rigorous and urgent pursuit. As a transplant to the growing field of media studies, I would particularly like to encourage a media history interest group or track at SHOT meetings.

I am a member of WITH, EDITH, and SIGCIS, and I have found each of these groups to welcome the perspective of disability studies on technology and design. I will continue to build lines of communication between SHOT and the Society for Disability Studies. I am also interested in new digital methods for research and outreach; I contributed to last year's *SHOT Talk* pre-conference blog, and would enjoy the opportunity to work with the Executive Council on further refinements to the website and social media. Finally, I was an opening plenary contributor to the self-study at the Portland meeting, and I feel energized by the debates that ensued; I'm honored by this nomination and would be happy to offer my time to the Society for the next two years.

Jody Roberts is the Director of the Institute for Research at the Chemical Heritage Foundation in Philadelphia, PA (USA). He also serves as Research Faculty in the Center for Science, Technology, and Society at Drexel University and Lecturer in History and Sociology of Science and the University of Pennsylvania. He has an undergraduate degree in chemistry from Saint Vincent College and holds both M.S. and Ph.D. degrees in Science and Technology Studies from Virginia Tech. Roberts first came to CHF as a fellow in the Beckman Center before

being hired to start a new program in environmental history and policy in CHF's Center for Contemporary History and Policy. Subsequently, Roberts became the director of that Center and now directs CHF's research efforts more broadly. His research interests lie in historicizing the intersection of emerging molecular sciences and policy. This work has taken shape in projects examining the emergence of green chemistry, chemical regulations, community experiences of superfund sites, and the role of art and science in communicating climate change.

Working outside of the academy has provided Roberts with the opportunity to think about and experiment with the ways in which history of technology (and STS more broadly) lives in the world and can provide unique and needed perspective on problems arising at the science-society nexus. This work includes constructing an exhibition on art and environmental change, working with a school of medicine to help them elucidate the community experience of a superfund site, and working with research managers in chemical companies to better understand the changing needs and cultures of innovation. If elected to council, Roberts would aim to continue these efforts to bring SHOT outside of the academy, moving beyond "relevance" and towards opportunities for training in the skills needed for broader audience engagement.

Lissa Roberts: My career has straddled the west coast of the US and the Netherlands, where I currently hold a chair at the University of Twente in "long term development of science and technology." As indicated by my professorship's (pretentious sounding) title, my career has also straddled the history of science and technology. This means more than simply having one foot in each "discipline," however. For while it is true that some of my publications can clearly be identified as either history of science or technology (such as my article "The Arcadian Apparatus," which was awarded the Abbott Payson Usher Prize in 2006), I am most interested in demonstrating the constructed nature and historical porosity of the boundary between science and technology. The best example of this is probably the volume I co-edited with Simon Schaffer and Peter Dear, *The Mindful Hand: Inquiry and Invention from the Late Renaissance to Early*

Industrialization (2007). In the last few years, I have been working to expand on this base by considering what it means to place the history of science and technology in the context of global history; see, for example *The Brokered World: Go-betweens and Global Intelligence, 1770-1820* (co-edited with Simon Schaffer, Kapil Raj, and James Delbourgo, 2009). And I have returned to my old field of research: the history of chemistry. In addition to pursuing my own research, I am directing an international research network focused on transcending the apparent divisions between the history of chemical science, oriented around “the chemical revolution,” and the history of chemistry and industry, often considered to be oriented around a contemporary yet distinct “chemical revolution.” I am also working with an international group of scholars to produce a volume that will present the history of chemistry as an integrated and key element of global history.

I’m honored to be nominated for membership on SHOT’s executive council. The truth is that, while I’ve been a supportive member of the organization for years, I haven’t been that active—my only official duty has been as member of the Editorial Committee. But I do have a long history of service behind the scenes to our discipline and look forward to having the opportunity to do more in an official capacity. If elected, I would continue my efforts to strengthen ties with other areas of science and technology studies. As a member of an interdisciplinary department, however, I see great opportunities for doing more than just expanding our methodological sensibilities and desire for collaboration across disciplinary and national communities. I see opportunities as well for strengthening our voice in relation to issues of policy making, both policies directed toward steering research funding and those directed toward problems of public concern.

CANDIDATES FOR THE EDITORIAL COMMITTEE

Joyce Bedi: I began my career in the public history of technology and invention at the MIT Museum and held research and curatorial positions at the Edison

National Historic Site, the IEEE History Center, and the Powerhouse Museum in Sydney, Australia, before joining the Smithsonian’s Lemelson Center for the Study of Invention and Innovation at the National Museum of American History in 1995. I am currently senior historian, responsible for the Center’s scholarly publication program and website and for assisting with the development of scholarly programs and exhibitions. I am the co-editor, with Arthur Molella, of the Lemelson Center Studies in Invention and Innovation book series with MIT Press, and of the first volume in the series, *Inventing for the Environment* (2003). I have also authored publications and exhibitions on the work of Harold Edgerton in stroboscopic photography. I have been a member of SHOT since 1982. I have served on the SHOT Advisory Council (1990-95), the Hacker Prize (2003-2005 and 2013-2015) and Dibner Award (1987-1992) committees, chaired TEMSIG (1990-93), and was the editor and publisher of *Artifactory*, TEMSIG’s newsletter (1984-1992).

If elected to the Editorial Committee, I would bring my nearly 20 years of web experience to helping SHOT diversify and enhance its online presence, especially in the important area of social media. For example, I would work with SHOT’s leadership and membership to recruit contributors to SHOT’s Facebook page and the Technology’s Stories blog, and to assess the pros and cons of using Twitter, LinkedIn groups, and other social platforms. With advice from *T&C*’s editors, I would seek opportunities to disseminate the journal’s research articles to new audiences. Expanding its communication efforts offers SHOT the chance to establish an exciting and informative dialogue among scholars, practitioners, young people, and interested nonspecialists. I would be honored to be part of that effort.

Andrew Russell: I am honored to stand for election to be a member of SHOT’s Editorial Committee. By way of introduction, I am an Associate Professor of History and Director of the Program in Science & Technology Studies at Stevens Institute of Technology. I am the author of *Open Standards and the Digital Age: History, Ideology, and Networks* (Cambridge University Press, 2014), and over a dozen

articles and book chapters on the history of standardization, computing, and telecommunications. I am a member of the editorial boards of *Information & Culture: A Journal of History* and *IEEE Annals of the History of Computing*, where I have served as Reviews editor since 2011.

I have served SHOT in a variety of capacities, including as a member of the Joan Cahalin Robinson Prize Committee (committee Chair in 2012), the Leonardo da Vinci Prize Committee, and as Chair-Elect of SHOT's Special Interest Group for Computers, Information, and Society. If elected to the Editorial Committee, I would work to support and strengthen *T&C* along three lines. First, *T&C* should continue to serve as the premier journal and the nexus of scholarship for and by SHOT members. Second, *T&C* should continue to diversify and expand the boundaries of our field—both in terms of subject matter and in terms of the scholars who publish it. Third, SHOT and *T&C* should continue with digital experiments such as “Technology’s Stories” and “SHOT Talk,” which are much-needed platforms for SHOT to exhibit its dynamism and to engage broader publics.

CANDIDATES FOR THE NOMINATING COMMITTEE

Hyungsub Choi: I am an assistant professor in the College of Engineering, Seoul National University, with a joint appointment in the Program in History and Philosophy of Science. I was introduced to SHOT when I arrived at the Georgia Institute of Technology as a graduate student fresh out of college in 2000. The legacy of Melvin Kranzberg was, and I trust still remains, strong in Atlanta. I signed up as a member when my first stipend paycheck arrived and have tried to maintain an active presence in the community ever since. In 2007, I received my Ph.D. from Johns Hopkins University with a dissertation on semiconductor technologies and industry in the U.S. and Japan. In the course of preparing the dissertation, I have conducted research in a number of archives and libraries in both countries. My second project is on the history of

materials science as an “interdisciplinary discipline” since the 1960s. Since moving back to Korea in 2011, I have developed a serious interest in the development of South Korean universities as institutions of scientific and engineering research. During the last decade and a half, I have been recognized by SHOT with the Robinson Prize (2002), the IEEE Life Members’ Prize (2008), and the Hindle Postdoctoral Fellowship (2009). In recent years, I have served on the Robinson Prize Committee (2010) and currently serve on the Bernard S. Finn IEEE History Prize Committee (2014-16). I would be happy to continue to serve the SHOT community in whatever way I can.

Johan Schot: Strategizing on how to nurture and develop history of technology as a field has always been a driving motivation for my work. This led me to take (with others) various initiatives aimed at shaping the agenda and bringing historians of technology not only together but also in contact with other disciplines. History of technology is too important a field to be left to historians of technology! Four examples of my efforts are: 1) the creation of a collective research program on the history of the Netherlands through the lens of technology; 2) the founding and chairing of the Tensions of Europe Network; 3) the founding and development of a Graduate Program on the Hidden Integration of East-Central Europe; and 4) the creation of a European digital science and technology museum, Inventing Europe, which has connected the research and science museum worlds (see www.inventingeurope.eu). I also served on SHOT's Executive Council, and in this and other capacities have always tried to encourage the further internationalization of SHOT, and broaden its constituency. I would be happy to serve on the Nominating Committee to deepen my commitment and help in building the community. After working for many years in the Netherlands at the University of Twente as well as the Eindhoven University of Technology, I have recently moved to the UK, where I am the Director of the Science Policy Research Unit (SPRU) of the University of Sussex and professor of History of Technology and Sustainability Transitions.

2014 SHOT BALLOT

After marking your ballot, detach it and fold it in half, and tape it closed on all three open sides. Please affix a first-class stamp as indicated on the reverse side and mail it to the SHOT Secretary's office by **3 October 2014**. Alternatively, an online ballot is available through the SHOT website until **3 October 2014**.

Executive Council

Three-year term

Vote for 3 out of 6

_____ Mats Fridlund

_____ Scott Knowles

_____ Eda Kranakis

_____ Mara Mills

_____ Jody Roberts

_____ Lissa Roberts

Vice President / President Elect

Two-year term

Vote for 1 out of 2

_____ John Krige

_____ Arthur Molella

Nominating Committee

Five-year term

Vote for 1 out of 2

_____ Hyungsub Choi

_____ Johan Schot

Editorial Committee

Five-year term

Vote for 1 out of 2

_____ Joyce Bedi

_____ Andrew Russell

Treasurer

Two-year term

Vote for 1 out of 1

_____ Ross Bassett

SHOT Membership No.: _____

PLACE
STAMP
HERE

David N. Lucsko, SHOT Secretary
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