NEWSLETTER

OF THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

SOCIETY for the HISTORY of TECHNOLOGY

No. 128 n.s. **Summer 2015**

Welcome to Albuquerque!

It's where Walter White broke bad. It's where Olive and her dysfunctional family began their epic journey in a yellow bus. It's where Lucy's neighbor Ethel was born. It's where Bugs Bunny made his famous wrong turn. And, this fall, it's where SHOT will hold its fifty-eighth annual meeting. Welcome, everyone, to Albuquerque!

Founded in the early eighteenth century as a Spanish outpost, Albuquerque became part of the United States when the New Mexico Territory was established in 1850, two years after Mexico ceded the region to its expanding neighbor to the north. The railroad arrived in 1880, and by the early twentieth century Albuquerque had developed into a bustling, mile-high city along the Rio Grande. Route 66 then came to town in the 1920s, and during World War II and the Cold War Albuquerque and the surrounding region—Los Alamos to the north, the Trinity Site to the south—became an important center for nuclear research and development.

Our conference site, the Hotel Albuquerque, is located in an historic district known as Old Town. The site of the original Spanish settlement, Old Town is home to a number of historic adobe structures, the Old Town Plaza, and San Felipe de Neri Church, which in its current guise dates to 1793. Restaurants and shops abound in this district. A few blocks to the south of the hotel is Central Avenue, which was once part of Route 66 and still retains a bit of that old highway's quirky character. (For those who are interested, Jesse Pinkman's house is but a few blocks south of Central,

to the east of the Albuquerque Country Club.) Our hotel for graduate students is located just to the north of the hotel, within safe and easy walking distance. Our overflow hotel is several blocks East-Southeast of the Hotel Albuquerque, accessible by bus or by taxi.

The Hotel Albuquerque itself is a beautiful facility, especially its open foyer area and its outdoor garden plaza. The food at the hotel is excellent, the rooms are comfortable, and the staff is friendly and ready to help. Two more facts about our venue for 2015 warrant mention. First, all of our conference sessions and special events will be held on site this year. Most will take place in the Hotel Albuquerque's conference rooms and main ballroom, while a few will happen instead in the hotel's adjoining property, *continued on page 3*

SOCIETY FOR THE HISTORY OF TECHNOLOGY

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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.

For Change of Address, Membership Information, and Journal Delivery Queries

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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

Casa Esencia. Second, the city of Albuquerque's annual International Balloon Fiesta, the largest hot air balloon event in the world, will be happening while SHOT is in town. This will make for some spectacular views to the north of the hotel each day!

We're also planning three tours: a day trip to Los Alamos on Thursday the 8th, a trip to the Acoma Pueblo on the 9th, and a trip to the Sandia Peak Aerial Tram, also on the 9th. Detailed information about these tours appears later on in this newsletter, as well as online at www.historyoftechnology.org. And, of course, if you have any questions about our meeting, please don't hesitate to contact me at shotsec@auburn.edu.

In addition to information about the Albuquerque meeting, this newsletter includes information about SHOT's 2015 elections. This year we will elect new members of the Executive Council, the Editorial Committee, and the Nominating Committee. I'd like to thank Sonja Schmid, who chaired the 2015 Nominating Committee, for putting together an excellent slate of candidates. 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.

I'd like to close by thanking Jane Carlson, for her tireless work on details large and small, and for helping me to manage the chaos of the meeting-planning process. I'd also like to thank Cari Casteel, my assistant the last two years who will be stepping down after this meeting to finish her dissertation. Those who have dealt with Cari—that is to say, pretty much anyone who has contacted my office since January 2014—know that she has been an efficient and effective member of the team. Cari, you'll be missed!

We look forward to seeing you all in Albuquerque, 8–11 October 2015!

– Dave Lucsko, SHOT Secretary

Weather in Albuquerque in October
Temperatures in Albuquerque during the conference will be cool in the mornings and pleasant in the afternoons. According to the almanacs at AccuWeather.com and the Weather Underground, we should be looking at high temperatures in the low 70s F (approximately 21° C), and low temperatures in the high 40s F (approximately 9–10° C).

Transportation to Albuquerque
Albuquerque is served by the Albuquerque International Sunport (ABQ), which is approximately 6.5 miles by road from the Hotel Albuquerque and 4 miles by road from the Hyatt Regency. ABQ is served by US Airways, United Airlines, Southwest Airlines, JetBlue Airways, New Mexico Airlines, Delta Air Lines, American Airlines, and Alaska Airlines. Daily nonstop flights are available to and from most U.S. cities, including major international hubs like Los Angeles, Chicago, Minneapolis-St. Paul, New York, and Atlanta. In other words, for most of those arriving from outside the U.S., the Albuquerque Sunport will involve one plane change within the U.S.

For those with flexible schedules, you might also consider traveling to Albuquerque by train on Amtrak. For more information about Amtrak routes into and out of Albuquerque, please visit http://www.amtrak.com/train-schedules-timetables.

The easiest way to get from the airport (or train station) to the Hotel Albuquerque (and vice-versa) is by taxi, which costs about $25 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 Old Town Albuquerque
Albuquerque as a whole is an autocentric city, but the Old Town area where our conference hotel is located is a pleasant and easy place to stroll around. Restaurants and shops abound in this part of town.

President's Message

I hope everyone is managing to relax a little over the summer months—or enjoying a bracing winter season if you are in the southern hemisphere.

We greatly look forward to seeing everyone at the October meeting in beautiful Albuquerque. Conscious that we are competing with the concurrent attractions of Albuquerque's International Balloon Fiesta, a wholesome family event sponsored by Krispy Kreme and Pepsi and featuring not only lots of hot air but also steel bands and chainsaw carving displays, we have laid on an equally irresistible programme for SHOT. The Program Committee, chaired this year by Kevin Borg, has done a terrific job; the SIGs, particularly SIGCIS and EDITH, are sponsoring exciting, innovative panels; our colleagues in STEP and our International Scholars past and present have been active in proposing new angles. We were delighted to have a good number of panel proposals, such as "Turning the SHOT yacht: changing our ideas about selves, knowledge and material," "Other(ed) epistemologies of technology," and "What role should technology play in the history of capitalism?" that further our declared agenda of taking diversity seriously, asking Big Questions, internationalising our perspectives, and reaching out to new fields.

Like a box of Krispy Kremes, our programme offers a rich assortment of flavours. As a sample I offer: "Bodywork," "Rethinking craftsmanship," "Infrastructures of racialization," "Technology and affect," "Digital histories of technology," "Computer networks in Africa and South America," "Alternative cultures/ alternative technologies," "Connecting technology's peripheries," "Civil defense and the nuclear world," "H.O.T. goes pop! Histories of technology in the public eye," and "What is colonial technology?" This year we have three presidential panels, "Diversity as method in the history of technology" (sponsored by EDITH), "Learning from Africa's technology stories," and "The future of SHOT: a graduate-led forum." The last we hope will serve to launch a much-needed SHOT graduate network and to integrate graduates' vision and commitment more effectively. In addition to the graduate-led presidential panel, Lars Heide has organised a graduate workshop with intensive mentorship for the 8th, just before the conference events begin. We plan to make the graduate workshops a regular feature if this first one proves a success.

To whet your appetites for Asian perspectives in anticipation of Singapore, our Plenary Lecture in Albuquerque will be given by Dr. Dong-Won Kim, the founder and president of the D. Kim Foundation for the History of Science, Technology, and Medicine in Modern East Asia. Dr. Kim is a historian of international physics and of science and technology in modern Korea and Japan—from the electronics industry to sci-fi.

So we look forward to an exciting and enjoyable meeting in Albuquerque. I would also like to take this opportunity to update you on a couple of the events which SHOT has recently sponsored.

A workshop on "Technology between France and the United States: encounters and ignorance" (http://koyre.ehess.fr/index.php?1723) was held on 5th June 2015 at the Centre Koyré, EHESS in Paris. Organised by Guillaume Carnino and Liliane Hilaire-Perez in collaboration with Eric Schatzberg, the catalyst for this meeting was Eric's much-cited paper "Technik comes to America." SHOT contributors included Liliane, Eric, Adelheid Voskuhl, and myself. In addition to some richly suggestive case-studies of how intellectual positions did or did not travel across the Atlantic, the core issue, ardently debated, was how most productively to confront or conjoin the Anglophone approach to technology as sociotechnical system with the distinctive francophone tradition of technology as the science (or philosophy, or anthropology) of human action mediated by tools.

On 11th–12th June 2015 the Needham Research Institute in Cambridge hosted the first workshop in a three-year series on "Technology in modern East Asian history" (http://www.nri.org.uk/technology_in_modern_EA_history.html), organised by Aleksandra Kobiljski. The workshop brought together six early-career historians of technology in East Asia, for intensive discussion with six mentors of draft

President's Message, continued

papers on topics ranging from X-ray machines to silkworm genetics and flood-control design. SHOT has committed to nominating a discussant-mentor each year. This year John Krige was our SHOT delegate; other mentors from SHOT included Dagmar Schaefer, Liliane Hilaire-Perez, and myself, as well as Barbara Hahn who in addition offered individual advice on publication strategies. The quality of discussion was outstanding! John and I are both grateful to Aleksandra for her hard work and dedication in developing such a productive format, which we believe could be a useful model for others to follow.

Finally, on a sadder note, one of SHOT's most loyal, energetic, committed, and vividly memorable members, Joan Rothschild, died on 1 February 2015, on her 87th birthday. Among her impressive range of accomplishments as feminist activist and scholar, Joan played a key role in launching feminist history of science and technology. Not only was her own work highly influential: she also encouraged, inspired, and challenged generations of younger scholars. Joan helped to make gender-awareness part of the air we all now breathe. It is not only the members of WITH but SHOT in general that regrets her loss. Working with WITH, EDITH, and the networks of feminist STS scholars in East Asia, I hope to organise a thread of panels on feminist technology studies in honour of Joan for our Singapore meeting.

Best wishes to you all, and see you in Albuquerque.

> *– Francesca Bray*
> *University of Edinburgh*

PROGRAM OVERVIEW

Wednesday, 7 October	
2:00–6:30 PM	Executive Council meeting, day 1 (open to all members), Hotel Albuquerque
Thursday, 8 October	
7:00 AM–5:00 PM	Los Alamos day trip (bus will take you from the Hotel Albuquerque, round trip)
8:00 AM–12:00 PM	Executive Council Meeting, day 2 (open to all members), Hotel Albuquerque
8:30 AM–4:30 PM	Graduate Student Workshop, Hotel Albuquerque
4:00–5:00 PM	SIG Chairs Meeting, Hotel Albuquerque (by invitation only)
5:30–6:30 PM	Opening Plenary, Hotel Albuquerque
6:30–9:00 PM	Opening Reception, Casa Esencia, Hotel Albuquerque

PROGRAM OVERVIEW, continued

Friday, 9 October

7:00–8:00 AM	Breakfast at the Hotel Albuquerque (for all attendees)
7:00–8:00 AM	Breakfast Meetings at the Hotel Albuquerque *Graduate Student Breakfast (please register in advance) *International Scholars Breakfast (by invitation only)
8:00 AM–12:00 PM	Acoma Puebla trip (bus will take you from the Hotel Albuquerque, round trip)
8:00 AM–5:00 PM	Book Exhibit, Day 1 (Hotel Albuquerque)
8:00–10:00 AM	Sessions (Hotel Albuquerque)
10:00–10:30 AM	Coffee Break (Hotel Albuquerque)
10:30 AM–12:00 AM	Sessions (Hotel Albuquerque)
12:00–1:00 PM	Lunch (attendees will be on their own, although a limited number of boxed meals will be available for purchase near the SHOT registration table at the Hotel Albuquerque)
12:00–1:00 PM	Lunch Meetings at the Hotel Albuquerque *SIGCIS Lunch (please register in advance) *EDITH Lunch (please register in advance) *Prometheans Lunch (off-site; gather in Hotel Albuquerque lobby; please register in advance)
12:15–5:00 PM	Sandia Peak Tram trip (bus will take you from the Hotel Albuquerque, round trip)
1:00–2:30 PM	Sessions (Hotel Albuquerque)
2:30–3:00 PM	Coffee Break (Hotel Albuquerque)
3:00–4:30 PM	Sessions (Hotel Albuquerque)
4:30–5:30 PM	2015 da Vinci Medal Plenary (Hotel Albuquerque)
5:30–6:30 PM	Special Session on Singapore 2016 (Hotel Albuquerque)
6:00–7:00 PM	TEMSIG Friday Happy Hour (gather in hotel lobby)
9:00 PM–12:00 AM	Hospitality Suite (Hotel Albuquerque)

PROGRAM OVERVIEW, continued

Saturday, 10 October	
7:00–8:00 AM	Breakfast at the Hotel Albuquerque (for all attendees)
7:00–8:00 AM	Breakfast Meetings at the Hotel Albuquerque *Envirotech (please register in advance) *SHOT Asia Network (please register in advance)
8:00 AM–4:45 PM	Book Exhibit, Day 2 (Hotel Albuquerque)
8:00–10:00 AM	Sessions (Hotel Albuquerque)
10:00–10:15 AM	Coffee Break (Hotel Albuquerque)
10:15–11:45 AM	Sessions (Hotel Albuquerque)
11:45 AM–12:45 PM	Lunch (attendees will be on their own, although a limited number of boxed meals will be available for purchase near the SHOT registration table at the Hotel Albuquerque)
11:45 AM–12:45 PM	Lunch Meetings at the Hotel Albuquerque *Members' Meeting (conference hotel; all are welcome) *Editorial Committee (conference hotel; by invitation only) *WITH Lunch (conference hotel; please register in advance) *Jovians-Mercurians Lunch (off-site; gather in conference hotel lobby; please register in advance)
12:45–2:15 PM	Sessions (Hotel Albuquerque)
2:15–2:30 PM	Coffee Break (Hotel Albuquerque)
2:30–4:30 PM	Sessions (Hotel Albuquerque; most sessions will end at 4:00 PM, but some will last until 4:30—please consult the preliminary program in this newsletter for more details)
5:30–6:30 PM	SMiTInG Saturday Happy Hour (gather in hotel lobby)
6:30–7:00 PM	Cocktail Reception (Hotel Albuquerque)
7:00–10:00 PM	Awards Banquet (Hotel Albuquerque)
10:00 PM–12:00 AM	Hospitality Suite (Hotel Albuquerque)

PROGRAM OVERVIEW, continued

Sunday, 11 October	
7:00–8:00 AM	Breakfast Meetings at the conference hotel *Albatrosses Breakfast Meeting (Gardunos Restaurant & Cantina, Hotel Albuquerque; please register in advance) *Prometheans Breakfast Meeting (Gardunos Restaurant & Cantina, Hotel Albuquerque; please register in advance) *WITH-EDITH Breakfast Meeting (catered; please register in advance) *SIGCIS Breakfast Meeting (catered; please register in advance) *IEEE Breakfast Meeting (catered; by invitation only)
8:00 AM–5:00 PM	SIG Meetings and Workshops at the Hotel Albuquerque (not all meetings will last all day; please check the preliminary program 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) *WITH-EDITH Workshop (please register in advance) *Albatrosses Workshop (please register in advance) *Prometheans Workshop (please register in advance)

EVENTS AT THE ANNUAL MEETING

We will be meeting at The Hotel Albuquerque, a beautiful hotel on the northern edge of Old Town Albuquerque. At the hotel, all attendees will have access to a free continental breakfast on Friday and Saturday. Attendees will be on their own for lunch; in addition to Gardunos Restaurant & Cantina in the hotel, there are a number of restaurants within easy walking distance in Old Town. For those who want to grab a quick bite for lunch without wandering off-site, there will also be a limited number of boxed lunches available for purchase, cash only, in the registration area on Friday and Saturday.

Executive Council Meeting
The Executive Council will meet from 2:00–6:30 PM on Wednesday and from 8:00 AM–12:00 PM on Thursday. The meeting will be held at the Hotel Albuquerque.
All members are welcome to sit in on all or part of this meeting.

Graduate Student Workshop
Lars Heide, Francesca Bray, and Atsushi Akera have put together a pre-conference graduate student workshop, which will be held at the Hotel Albuquerque from 8:30 AM–4:30 PM on Thursday. A list of workshop participants is included with the preliminary program found in this newsletter.

EVENTS AT THE ANNUAL MEETING, continued

Opening Plenary and Reception

Our meeting officially begins with a plenary session on Thursday evening at 5:30 PM at the Hotel Albuquerque, followed by a reception at Casa Esencia from 6:30–9:00 PM. 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. In order to attend you must register for this event in advance; 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 Adam Lucas (alucas@uow.edu.au) know by 15 September if you will be attending this breakfast.

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 11:45 PM at Casa Esencia. In addition, all members are welcome to sit in on the Executive Council sessions scheduled for 2:00–6:30 PM on Wednesday and 8:00 AM–12:00 PM on Thursday.

Special Session on Singapore 2016

On Friday from 5:30 to 6:30 PM, just after the da Vinci plenary, members of the local arrangements committee for the 2016 annual meeting in Singapore will host a special cocktail hour and informational session about the 2016 meeting.

Cocktail Reception and Awards Banquet

Our annual cocktail reception will commence on Saturday at 6:30 PM in the East and South Atrium area of the Hotel Albuquerque, followed by the Annual Awards Banquet at 7:00 PM. 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 Albuquerque, 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 Hotel Albuquerque, 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 specific computer to a computer projector—Mac folks and HDMI-only PC folks, I'm talking to you in particular! The hotel has also 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 the online registration portal (which is hosted at Constant Contact) can be found at

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http://www.historyoftechnology.org/features/annual_meeting/index.html.

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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, most of you will have the option of paying directly with a credit card, while others will need to pay indirectly, through a PayPal account. After you make your payment, PayPal will transfer the money to the SHOT Annual Meeting checking account.

Note: In some parts of the world, PayPal does not offer a direct credit-card payment option and instead requires the creation of an account in order to make a credit-card payment. If you find that PayPal does not allow direct credit-card payments in your country, and you do not wish to create a PayPal account, please contact Dave Lucsko, the SHOT Secretary, at shotsec@auburn.edu to arrange an alternative means of payment.

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 or by a check made payable to the Society for the History of Technology.

Note: 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.

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

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David Lucsko, *SHOT Secretary*
Department of History
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Auburn University, AL
36849-5207 USA

The deadline for early registration is **1 September 2015**. If you are on the program, *you must register by this date.* The SHOT office will confirm your registration by email and provide a printed receipt when you collect your conference packet in Albuquerque.

SPECIAL INTEREST GROUP EVENTS IN ALBUQUERQUE

The Albatrosses, whose interests cover all things related to aviation and aerospace, will have an informal breakfast on **Sunday** morning at 7 AM at Gardunos Restaurant & Cantina at the Hotel Albuquerque, followed by its annual workshop session highlighting the current research of grad students and young scholars. If you are interested in presenting your work, or if you have any questions about the Albatrosses, please send a short email message to Angelina Callahan at angelinalcallahan@gmail.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 Albuquerque, network members will have a meeting over breakfast on **Saturday** at 7 AM. It will be a continental breakfast, and it will cost $10; 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 12:00 PM at the Hotel Albuquerque. There will be a small charge for this lunch of $15, and you must register in advance to reserve a seat. SIGCIS is also organizing a daylong workshop on **Sunday,** including breakfast and lunch, for $25. For more details about this workshop, please see the preliminary program included with this newsletter or visit http://www.sigcis.org/workshop15. *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 Albuquerque, the group will meet on **Friday** for lunch at 12:00 PM at the Hotel Albuquerque. There will be a small charge of $15, and you must register in advance to reserve a seat. On **Sunday,** EDITH and WITH will hold a joint breakfast at 7:00 AM, at a cost of $10, followed by a workshop from 8:00 AM to 12:00 PM, all at the Hotel Albuquerque. Please indicate on your registration form if you are planning to attend the workshop. For more information about this group and its plans, please email Tisha Hooks (tisha.hooks@gmail.com).

WITH (Women in Technological History) will meet over lunch on **Saturday** at 11:45 AM at the Hotel Albuquerque. There will be a small charge of $15, and you must register in advance to reserve a seat. On **Sunday,** WITH and EDITH will hold a joint breakfast at 7:00 AM, at a cost of $10, followed by a workshop from 8:00 AM to 12:00 PM, all at the Hotel Albuquerque. Please indicate on your registration form if you are planning to attend the workshop. For more information about WITH, please contact Arwen Mohun (mohun@udel.edu).

Envirotech will hold a breakfast meeting on **Saturday** at 7:00 AM at the Hotel Albuquerque. Breakfast will be continental, and it will cost $10; 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).

SPECIAL INTEREST GROUP EVENTS IN ALBUQUERQUE, continued

The **Jovians** (electrical history) and the **Mercurians** (communications) will hold their traditional joint lunch-time meeting on **Saturday** at 11:45 AM. The group will gather in the lobby of the Hotel Albuquerque and then head to a local restaurant, where each person will pay individually. So that we will have an accurate headcount, please indicate on the registration form if you are planning to attend the lunch.

The **Prometheans** (SHOT's Engineering SIG) will gather for breakfast on Sunday morning at 7:00 AM at Gardunos Restaurant & Cantina at the Hotel Albuquerque, followed by its annual workshop session from 8:00 AM to 12:00 PM. For more details about this workshop, please see the preliminary program included with this newsletter. N*ote 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 **Friday** during lunch. The group will gather in the lobby of the Hotel Albuquerque and then head to a local restaurant, where each person will pay individually. So that we will have an accurate headcount, please indicate on the registration form if you are planning to attend the lunch. For further information on the Prometheans, please email Ann Johnson (ajohnson@mailbox.sc.edu).

SMiTInG, the SHOT Military Technology Interest Group, will convene over drinks at 5:30 PM on **Saturday** at the bar in Gardunos Restaurant & Cantina at the Hotel Albuquerque. For more information, please contact Bart Hacker at hackerb@si.edu.

TEMSIG, the museum group, will meet for cocktails at 6:00 on **Friday** at the bar in Gardunos Restaurant & Cantina at the Hotel Albuquerque. If you have any questions or wish to be added to the TEMSIG listserv, please contact Allison Marsh (marsha@mailbox.sc.edu).

PRELIMINARY PROGRAM

(The scheduling information in this preliminary program is current as of 26 June 2015, but it is subject to change at any time. For the most up-to-date information, please visit SHOT's annual meeting pages at http://www.historyoftechnology.org/features/annual_meeting/index.html.)

(The information on Robinson Prize Candidates in this preliminary program is also current as of 26 June 2015. If you are a Robinson Prize Candidate but are not labeled as such in this preliminary program, please contact the SHOT Secretary as soon as possible at shotsec@auburn.edu.)

PRELIMINARY PROGRAM, continued

Thursday, 8 October • 8:30 AM–4:00 PM

SHOT Graduate Students Workshop

Organizer: **Lars Heide** (Copenhagen Business School, Denmark)

Abdullah Almowanes (York University, Canada)

René Christensen (University of Southern Denmark)

Ross Coen (University of Washington, United States)

Itamar Friedman (University of South Carolina, United States)

Colin G. Garvey (Rensselaer Polytechnic Institute, United States)

Hunter Hollins (George Washington University, United States)

Simon Judkins (University of Southern California, United States)

Lauren Kilgour (University of Pittsburgh, United States)

Michael Lachney (Rensselaer Polytechnic Institute, United States)

Owen D. McCarron (IDA Science and Policy Institute, United States)

Michael Murphey (Mississippi State University, United States)

Gretchen Pruett (Independent Scholar, United States)

Jonathan Puff (University of Michigan, United States)

Dustin Studelska (University of Minnesota, United States)

Samantha Thompson (Lowell Observatory, United States)

Justin Whitney (Mississippi State University, United States)

Thursday, 8 October • 5:30–9:00 PM

Opening Plenary and Reception (plenary: 5:30–6:30 PM; reception: 6:30–9:00 PM)

Speaker: **Dong-Won Kim** (Harvard University, United States)

Discussion: **By the Audience**

Friday, 9 October • 8:00–10:00 AM

Constructing Technology's Promise

Chair and comment: **Sonja D. Schmid** (Virginia Tech, United States)

Ian Johnson (Ohio State University, United States) **[Robinson Prize Candidate]**: Death Rays, Teletanks, and Chemical Weapons: The Soviet Military's Cult of Technology in the Interwar Period

Anna Åberg (Caucasien et Centre-Européen, EHESS, France): Endless Energy for the Young: Fusion in Soviet Popular Communication 1950–1969

Alex Rider (University of Pennsylvania, United States): A Technology of Democracy? ITER and the Danger of Compromise

Sean F. Johnston (University of Glasgow, United Kingdom): Trusting the Technological Fix: Tracing a Technological Faith

PRELIMINARY PROGRAM, continued

Ordinary Agents

Chair and comment: **Arwen Mohun** (University of Delaware, United States)

Ellen Foster (Rensselaer Polytechnic Institute, United States): Hacking, Making, and DARPA: Historical Narratives of Co-option, Appropriation, and Collaboration

Seneca Vaught (Kennesaw State University, United States): The House That Slaves Built: African Labor and the Technopolitics of Tabby Construction Practices

Loretta Hall (Independent Scholar, United States): Ordinary People in the History of Space Exploration

Waqar Zaidi (Lahore University of Management Science, Pakistan): Tackling "The Problem of Atomic Energy": The Contested Emergence of Techno-scientific Atomic Expertise, 1945–1946

Infrastructures of Racialization: Complex Categories and Research Challenges

Organizer: **Geoff D. Zylstra** (New York City College of Technology, United States)

Chair: **Suzanne Moon** (University of Oklahoma, United States)

Comment: **Chandra D. Bhimull** (Colby College, United States)

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Nina E. Lerman (Max Planck Institute for the History of Science, Germany): Learning and Working: Apprenticeship and Categories of Childhood in an Early National U.S. City

Edna Suárez-Díaz and Vivette García Deister (Universidad Nacional Autónoma de México): Technologies of Human Diversity: Genomic Medicine and the Genetic History of Mexicans

Geoff D. Zylstra (New York City College of Technology, United States): Can I Use This Image…of a White Man Shooting a Black Man? Interpreting Technology and Race in the Nineteenth Century

Fallon Samuels Aidoo (Harvard University, United States) **[Robinson Prize Candidate]**: Civil Rights at Work on the Right-of-Way: A Work-Place History of Railway Maintenance under New Management

Alternative Cultures/Alternative Technologies: Conscious Construction of the Path Not Taken

Organizer: **Pamela Edwards** (Shepherd University, United States)

Chair and Comment: **Timothy LeCain** (Montana State University, United States)

Pamela Edwards (Shepherd University, United States): What Would the Goddess Use? Technological Choice and Environmental Consciousness in the Women's Land Movement

Ian Hartman (Northwestern University, United States): Strange Attractor: Terrence McKenna, the "Archaic Revival," and the Orientalist Foundations of Techno-Utopianism

Kathleen Ochs (Colorado School of Mines, United States): Metal Arrowheads and Thumb Pianos: Society, Technology, and Values

Nathan Kapoor (University of Oklahoma, United States): Potential Energy: Wind Power for Electrical Energy Generation in Late-Nineteenth Century Great Britain, 1870–1900

PRELIMINARY PROGRAM, continued

Outside Technologies: Instruments and Their Users in the Field Sciences

Organizer: **Philipp Lehmann** (Max Planck Institute for the History of Science, Germany)

Chair: **Lino Camprubí** (Max Planck Institute for the History of Science, Germany)

Comment: **Jeremy Vetter** (University of Arizona, United States)

Kena Wani (Duke University, United States) **[Robinson Prize Candidate]**: Disciplining the Body in 19th Century Astronomical Expeditions in England and Colonial India

Matthew Hersch (Harvard University, United States): Field as Instrument, Instrument as Field: Scientific Investigations aboard Aurora 7

Philipp Lehmann (Max Planck Institute for the History of Science, Germany) **[Robinson Prize Candidate]**: Standardizing African Rain: Training, Technologies, and Practices in Colonial Meteorology

James Fleming (Colby College, United States): Cutting the Gordian Knot of Meteorology: New Technologies and New Knots

Satellite Remote-Sensing and Environment

Organizer: **Gemma Cirac Claveras** (Institut Pierre Simon Leplace, France)

Chair and comment: **Erik M. Conway** (California Institute of Technology, United States)

Roger D. Launius (National Air and Space Museum, United States): "We will learn more about the Earth by leaving it than by remaining on it": NASA and the Unintended Forming of an Earth Science Discipline in the 1960s

Gemma Cirac Claveras (Institut Pierre Simon Leplace, France): The Emergence and Evolution of Satellite Remote-Sensing in France, or How Scientists Lost Control of Satellite Data

Johan Gärdebo (Royal Institute of Technology, Sweden) **[Robinson Prize Candidate]**: For the Benefit of All Mankind, and Ourselves: European Remote Sensing for Environment and Commerce, 1977–1994

Nina Wormbs (Royal Institute of Technology, Sweden): Sublime: Remote Sensing Imagery as Environmental Icons

Artificial Sciences? Technology, Education, and Professional Networks in Early Computing

Organizer and chair: **Thomas Misa** (University of Minnesota, United States)

Comment: **Charles H. House** (InnovaScapes Institute, United States)

Joseph November (University of South Carolina, United States): George Forsythe, the ACM, and Creating a "Science of the Artificial"

Sebastian Dziallas (University of Kent, United Kingdom): The Evolution and Purpose of Computing Curricula (1960s to 2000s)

Irina Nikivincze (Higher School of Economics, Russia): Making a "Science of the Artificial": Careers and Contributions of the First Doctoral Women in Computer Science

Scott Campbell (University of Waterloo, Canada): Professional Networks, Social Geography, and Early Computing in Canada

PRELIMINARY PROGRAM, continued

Nature Transformation and Technology

Organizer and chair: **Paul Josephson** (Colby College, United States)

Comment: **Sara B. Pritchard** (Cornell University, United States)

Jesse Smith (University of Pennsylvania, United States): A New Port of Miami: The Environmental and Geographical Roots of a Manmade Island, 1920–1969

Matthew Eisler (University of Virginia, United States): Materiality, Super Batteries, and the Technopolitics of Electric Automobility

Arne Kaijser (Royal Institute of Technology, Sweden): Airplanes, Radio Waves, and Pollutants: Transformers of the Common European Sky

Justin Whitney (Mississippi State University, United States): The Puna Geothermal Venture and the Indigenous Hawaiian Community

Connecting Technology's Peripheries I: Unsettling the "Development" Narrative

Organizer: **Joshua Grace** (University of South Carolina, United States)

Chair and comment: **Ann Johnson** (Cornell University, United States)

Elliot James (University of Minnesota, United States): Social History, Homosociality, and Automobility in Simon Gush's Red Exhibition

Joshua Grace (University of South Carolina, United States): The Analytical Deficits of Scarcity (and Resilience): What "Making Do" Misses in East Africa's Technological History

Kate McDonald (University of California, Santa Barbara, United States): The Rickshaw and the Railroad: A Parable of Non-Western Modernity

Thomas Lekan (University of South Carolina, United States): Shock Cities on the Periphery? Re-Examining the Archive of Urbanization through Lagos Wide and Close

Friday, 9 October • 10:30 AM–12:00 PM

Discourses of Bio-interventions

Chair and comment: **Projit Bihari Mukharji** (University of Pennsylvania, United States)

Heather Munro-Prescott (Central Connecticut State University, United States): "This is Not a Dalkon Shield": The Renaissance of the Intrauterine Device in the United States

Jaehwan Hyun (Seoul National University, South Korea): Genetic Engineering and Sequencing Technology: A History of DNA Sequencing and Applied Science Discourse in South Korea, 1977–1996

Slawomir Lotysz (Polish Academy of Science, Poland): Health Ideologized: Making and Consuming Drugs in Communist Poland

PRELIMINARY PROGRAM, continued

Rethinking Innovation and Preindustrial Technology

Organizer: **Daryl M. Hafter** (Eastern Michigan University, United States)

Chair and comment: **Wiebe Bijker** (Maastricht University, Netherlands)

Daryl M. Hafter (Eastern Michigan University, United States): The Silk Industry of Eighteenth-Century Lyon

Elspeth Whitney (University of Nevada, Las Vegas, United States): Medieval Machine Technology—An Overview

Steven A. Walton (Michigan Technological University, United States): At the Arsenal Gate: Premodern Military Activity and the Technologies of Scale

Presidential Roundtable: Diversity as Method in the History of Technology

Organizer: **Ruth Schwartz Cowan** (University of Pennsylvania, United States)

Moderator: **Francesca Bray** (SHOT President, University of Edinburgh, United Kingdom)

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Amy Sue Bix (Iowa State University, United States)

Dagmar Schäfer (Max Planck Institute for the History of Science, Germany, and University of Manchester, United Kingdom)

David Serlin (University of California, San Diego, United States)

Amy Slaton (Drexel University, United States)

Waqar Zaidi (Lahore University of Management, Pakistan)

Sex, Self, & Software

Chair: **TBA**

Comment: **TBA**

Janet Abbate (Virginia Tech, United States) Good to Think With: Educational Visions of the Materiality of Computing

Marie Hicks (Illinois Institute of Technology, United States): Computer Love: Sex, Social Order, and Technological Matchmaking at the Dawn of the Electronic Age, 1950–1979

Gerardo Con Diaz (Yale University, United States): Ontological Contests: Patent Law and the Nature of Computer Programs, 1963–1972

Axis in the Air: German-Japanese Aviation Collaboration, 1920–1945

Organizer and chair: **Juergen Paul Melzer** (Harvard University, United States)

Comment: **TBA**

Juergen Paul Melzer (Harvard University, United States) **[Robinson Candidate]**: Germany and the Rapid Rise of Japan's Aviation after WWI

Evelyn Crellin (Smithsonian Institution, United States): In Search of the Big Market for a Tiny Aircraft: Two Flights in Junkers A50 to Japan, 1930 and 1931

Russell Lee (Smithsonian Institution, United States): Schräge Musik (Strange Music): Shared or Independent Development?

PRELIMINARY PROGRAM, continued

Engineering Resources

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

Hanna Vikström [Robinson Prize Candidate], Per Högselius, and Dag Avano (Royal Institute of Technology, Sweden): Swedish Steel and Global Resource Colonialism: Sandvik's Quest for Alloying Metals during the Interwar Era

Claudio Gutierrez (Universidad de Chile): Engineering in Southern Latin America during the Second Half of the 19th Century: The Predominance of Civil Engineering to the Detriment of Industry-Related Branches

John E. Murray and Javier Silvestre (Rhodes College, United States): New Process Technologies in European Coal Production, 1850–1900: The Case of Mine Ventilation

A Vicious Cycle: Histories of the Nuclear Fuel Cycle

Organizer: **Caroline R. Peyton** (University of South Carolina, United States)

Chair: **Paul Josephson** (Colby College, United States)

Tatiana Kasperski (Centre Alexandre Koyré, France): Does Nuclear Fuel Have Nationality? Controversies Surrounding Westinghouse Nuclear Fuel Assemblies in Soviet-Type Ukrainian Reactors

Jason Krupar (University of Cincinnati, United States): The Disappearing Nuclear Landscape: Snapshots of Lost Atomic Technologies

Caroline R. Peyton (University of South Carolina, United States): Plutonium and Palmettos: The Politics of Nuclear Reprocessing

The Cultural Landscape of Space

Chair: **TBA**

Comment: **TBA**

Hyoung Joon An (Georgia Institute of Technology, United States) **[Robinson Prize Candidate]**: The Sputnik Shock and South Korea's Rocket Fever, 1958–1969

Erik M. Conway (California Institute of Technology, United States): Surveyor and the Culture of Testing: Making Engineering Knowledge in the Early Space Age

Kristen A. Starr (Independent Scholar, United States): Conflict, Command, and Control: NASA Public Affairs during Project Gemini

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Friday, 9 October • 1:00–2:30 PM

Digital Histories of Technology

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

Finn Arne Jørgensen (Umeå University, Sweden): Introduction: Writing Digital Histories of Technology

Mats Fridlund (Aalto University, Finland): History Mining of Engineering Journals: Exploring Data Mining to Understand Transnationalism of Finnish Industrialization, 1880–1910

Hanna Rose Shell (Massachusetts Institute of Technology, United States): A History of Technology Beyond Words

Douglas O'Reagan (University of California, Berkeley, United States): Visualizing Historical Patent Co-Inventor Networks

Christopher Jones (Arizona State University, United States): Digital Tools for Exploring Fire Insurance and Loss

PRELIMINARY PROGRAM, continued

Religion and Technology I: Integrating Belief and Modern Technology

Organizer: **Jennifer Karns Alexander** (University of Minnesota, United States)

Chair: **Ann Greene** (University of Pennsylvania, United States)

Comment: **Nina Reid-Maroney** (Huron University College, Canada)

Aleksandra Majstorac Kobiljski (L'École des Hautes Études en Sciences Sociales, France): Christ and the Engineering of Modern Japan: Diary and Personal Notes of Shimomura Kotaru (1863–1937)

Amy Sue Bix (Iowa State University, United States): "Remember the Sabbath": A History of Technological Decisions and Innovation in Orthodox Jewish Communities

Jennifer Karns Alexander (University of Minnesota, United States): Engineering, Religion, and Industrial Ethics: Jack Keiser and Industrial Missions in Post-war Britain

Space Technology and the Earth Environment in the 1970s and 1980s

Organizer: **Sara B. Pritchard** (Cornell University, United States)

Chair and comment: **David Nye** (University of Southern Denmark)

Lisa Ruth Rand (University of Pennsylvania, United States): Down to Earth: Falling Space Junk and an Expanding Environmental during the 1970s

Sara B. Pritchard (Cornell University, United States): Looking Upward: Light Pollution, Astronomy, and Rethinking Artificial Lighting during the Long 1970s

Neil M. Maher (NJIT-Rutgers University, United States): Thinking Globally: Space Data and the Making of Whole Earth Environmentalism

The View from Above

Chair and comment: **Angelina Long Callahan** (United States Naval Research Lab)

Felipe Fernandes Cruz (University of Texas at Austin, United States): Napalm Colonization: Aviation and Indigenous Peoples in the Amazon

Blair Stein (University of Oklahoma, United States): Silver Darts and Snowbirds: Climate and Canadian Aviation Mythmaking

Charles Halvorson (Colombia University, United States): A Measure of Acceptable Impairment: The WinHaze Program and the EPA's Long Struggle to Simulate Environmental Degradation

Computer Networks in Africa and South America

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

Chair: **Christopher Leslie** (New York University, United States)

Comment: **Janet Abbate** (Virginia Tech, United States)

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Gregg Pascal Zachary (Arizona State University, United States): Digital Africa: Researching the History of Computers and Culture in the Sub-Saharan

Beatrice Choi (Northwestern University, United States) **[Robinson Prize Candidate]**: Layers of Myth and Magic: The Role of the "Artist Class" in Brazilian Technology Transfer and the Myth of Use-Neutrality

TBA: paper #3

PRELIMINARY PROGRAM, continued

Crafting Natures

Chair and comment: **Tae-Ho Kim** (Hanyang University, South Korea)

Timothy Johnson (University of Georgia, United States): Nutrient Regimes: Historicizing the Evolution of Fertilizer Systems

Jorun M. Stenoien (Norwegian University of Science and Technology, Norway): Aquaculture a Melting Pot? What Is Valued as Good Craftsmanship in this Environment of Change?

Gregory Ferguson-Cradler (Princeton University, United States): Development by Fishmeal: Peruvian and Norwegian Industrial Infrastructure and the Creation of a Global Market

Industry-Academic Relations in the Second Industrial Revolution

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

Comment: **Stuart Leslie** (Johns Hopkins University, United States)

Jeremy Blatter (Harvard University, United States): Of Square Pegs and Round Holes: Polytechnics, Scientific Management, and the "Human Factor"

Eric Hounshell (University of California, Los Angeles, United States): "Role Strain" in Experience and Theory: Tangled Loops of Empirical Research and the Sociology of Science at the Columbia Bureau of Applied Social Research, ca. 1945–1970

Ellan F. Spero (MIT-Singapore University of Technology and Design): Technologies of Collaboration: Academic-Industrial Partnerships in Chemical Research and Education in the Second Industrial Revolution

Connecting Technology's Peripheries II: Empire, Its Aftermath, and Technopolitics from the "Global South"

Organizer, chair,
and comment: **Joshua Grace** (University of South Carolina, United States)

Marta Macedo (University of Lisbon, Portugal): Standard Cocoa: Plantation Technologies and Connected Histories of the Empire

Ann Johnson (Cornell University, United States): "Water, Water Everywhere and Not a Drop to Drink": Water Treatment Technologies in the Global South, A Tale of Two Cities

Daniel Ringrose (Minot State University, United States): French Technology on the Periphery: Inventing the Global Firm in Argentina, 1900–1955

PRELIMINARY PROGRAM, continued

Friday, 9 October • 3:00–4:30 PM

Vernacularizing Histories of Technology in South Asia

Organizer: **Projit Bihari Mukharji** (University of Pennsylvania, United States)

Chair and comment: **Suzanne Moon** (University of Oklahoma)

Projit Bihari Mukharji (University of Pennsylvania, United States): Sound Politics: Gramophone Records and the Making of the Pakistan Movement, 1920–1947

Prakash Kumar (Pennsylvania State University, United States): "Something to Extend": Multiple Meanings of American Agricultural Extension in India and the Immobility of Technology

Asif Siddiqi (Fordham University, United States): Rockets from Thumba: Geography, Science, and the Cold War in India, 1961–71

Amit Prasad (University of Missouri, Columbia, United States): Entangled Histories, Postcolonial Ambivalence, and Cultures of Techno-Scientific Innovations in India

Image / Text / Tech

Chair and comment: **Gokhan Ersan** (School of The Art Institute of Chicago, United States)

Luci Marzola (University of Southern California, United States) **[Robinson Prize Candidate]**: Better Pictures Through Chemistry: DuPont, Kodak, and the Hollywood Panchromatic Turn

J. Dakota Brown (Northwestern University, United States): The Linotype: Agency and Mechanization in Turn-of-the-Century Typography

Elizabeth Kessler (Stanford University, United States): Extraterrestrial Time Capsules: Postcards for Aliens and Prescriptions for Cosmic Citizenship

Making Data Move

Chair and comment: *Hyungsub Choi* (Seoul National University, South Korea)

Charles H. House (InnovaScapes Institute, United States): Emergence of Corporate Wide-area Computer Communications Networks

Quinn DuPont (University of Toronto, Canada) and **Bradley Fidler** (University of California, Los Angeles, United States): The Co-Development of Early Computer Network and Cryptography Infrastructure

Dongoh Park (Indiana University, United States): Building a Digital Obligatory Gateway: Sociotechnical Development of Public Key Infrastructure in South Korea

PRELIMINARY PROGRAM, continued

Bodywork

Chair: **TBA**

Comment: **TBA**

Cari Casteel (Auburn University, United States): Common Scents: Women, Dress Shields, and Deodorant in the U.S., 1880s–1920s

Samantha Killmore (University of Sydney, Australia): Marvelous Machines: The Technological Networks of 19th Century Exercise Devices and the Construction of the Race/Gender Analogy

Deanna Day (Chemical Heritage Foundation, United States): "No More Tears": The Co-constitutive Development of Shampoo Technology and Notions of Proper Baby Care

Techno-Exhibitionism

Chair: **TBA**

Comment: **Miriam Levin** (Case Western Reserve University, United States)

Eric Bellin (University of Pennsylvania, United States) **[Robinson Prize Candidate]**: Constructing the Spectacle: Charles Fox, His Team, and the Way to Building at Hyde Park, 1831–1851

Matthew Henderson (Auburn University, United States) **[Robinson Prize Candidate]**: New South Technics: The 1895 Atlanta Exposition and the Rise of the Industrial South

Jeff Nagle (University of Pennsylvania, United States): "Not Just a Country Faire, Not Just a Europe Fair": Regionalism, Environment, and Technological Interventions at the 1892 Knoxville World's Fair

Cognition in the Field

Chair: **TBA**

Comment: **TBA**

Adam Fulton Johnson (University of Michigan, United States): Technologies and Politics of Ethnographic Documentation in Late Nineteenth-Century New Mexico

Sean Silver (University of Michigan, United States): Single-Reflector Instruments and the Technical History of Extended Cognition

Sverker Sörlin (Royal Institute of Technology, Sweden): Building Landscapes of Authority: Truth, Technologies, and Precision in Early Scientific Glaciology

The Meaning of Failure in Early Drone R&D

Organizer: **Angelina Callahan** (Naval Research Laboratory, United States)

Chair: **Roger D. Launius** (Smithsonian Institution, United States)

Comment: **Howard McCurdy** (American University, United States)

Laurence Burke (Carnegie Mellon, United States): Flying Bombs for the First World War

Angelina Callahan (Naval Research Laboratory, United States): False Starts and Seeming Dead Ends: Identifying and Coping with Failure in Drone R&D

Alexander Calta (American University, United States) **[Robinson Prize Candidate]**: Unleashed: The Question of U.S. Navy Drone Development and Deployment, 1936–1946

PRELIMINARY PROGRAM, continued

Turning the SHOT Yacht: Changing Our Ideas about Selves, Knowledge, and Material

Organizer: **Amy E. Slaton** (Drexel University, United States)

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

Amy E. Slaton (Drexel University, United States): Human / Human-Made

Donna M. Riley (Virginia Tech, United States): Sovereign Knowledge, Sovereign Selves

Martin Collins (Smithsonian Institution, United States): The Self in the Material Turn

Presidential Roundtable: The Future of SHOT: A Graduate-Led Forum

Co-organizers: **Alice Clifton** (Georgia Institute of Technology, United States)
                          Francesca Bray (SHOT President, University of Edinburgh, United Kingdom)
                          John Krige (SHOT President-Elect, Georgia Institute of Technology, United States)

Chair: **Alice Clifton** (Georgia Institute of Technology, United States)

Alice Clifton (Georgia Institute of Technology, United States)

Johan Gärdebo (Royal Institute of Technology, Sweden)

Emily Gibson (Georgia Institute of Technology, United States)

Dustin Studelska (University of Minnesota, United States)

TBA: additional discussants

Saturday, 10 October • 8:00–10:00 AM

Civil Defense and the Nuclear World: An International Perspective on the Future of Shelter Studies

Organizer: **Sarah Robey** (Temple University, United States)

Peter Bennesved and Fredrik Norén (Umeå University, Sweden) **[Robinson Prize Candidates]**: Crisis Televised: The Media System of Swedish Cold War Civil Defense

Silvia Berger Ziauddin (Universität Zürich, Switzerland): Thinking with the Groundhog: An Animal and Media History of the Nuclear Bunker in Cold War Switzerland

Tom Bishop (University of Nottingham, United Kingdom): The Fallout Shelter Father on the New Frontier: John F. Kennedy and the Politics of Nuclear Survival

Sarah Robey (Temple University, United States): From Bomb Shelter to Fallout Shelter: The Thermonuclear Revolution in American Public Culture

PRELIMINARY PROGRAM, continued

Religion and Technology II

Chair:	TBA
Comment:	TBA

Robert Geraci (Manhattan College, United States): Narendra Modi and the Revelation of Vedic Technology

Nicole Welk (University of Pennsylvania, United States) **[Robinson Prize Candidate]**: From Schauberger to Swartzentruber: Alternative Water Technologies from 1947–2015

David Kirby (University of Manchester, United Kingdom): Unwanted Visions of Tomorrow: Movie Censorship and the Depiction of Technological Futures, 1930–1968

Catherine L. Newell (University of Miami, United States): The End is Nigh: The Rocket, the Space Station, and the Technological Apocalypse

Theorizing Diversity in the History of Computing

Organizers and co-chairs:	**Marie Hicks** (Illinois Institute of Technology, United States) and **Ruth Schwartz Cowan** (University of Pennsylvania, United States)
Comment:	**Tisha Hooks** (Yale University, United States)

*(Sponsored by **EDITH** and **SIGCIS**)*

Elizabeth Ellcessor (Indiana University, United States): Designing Around the Graphical User Interface

Elizabeth Petrick (New Jersey Institute of Technology, United States): From the Dynabook to Autism Apps: Tracing the Ideals of Tablet Computing

Sarah McLennan (College of William and Mary, United States) **[Robinson Prize Candidate]**: Computing and the Color Line: Race, Gender, and Opportunity in Early Computing at NASA

Tolu Odumosu (University of Virginia, United States): Why Diversity Was Crucial to the Creation and Adoption of the GMS Standard for Mobile Communication

Rewiring Public and Private: Computing for Public Sector and Public Interest

Organizer:	**Thomas Misa** (University of Minnesota, United States)
Chair:	**Kim Tracy** (Northern Illinois University, United States)
Comment:	**Ken Lipartito** (Florida International University, United States)

Bernadette Longo (New Jersey Institute of Technology, United States): Who Will Benefit from U.S. Computer Development? Establishing Open Communication Channels for Technology Development after World War II

Andrew Meade McGee (University of Virginia, United States): Defining Public Interest Computing: The Early Washington ACM Community and Discussions of Policy, Governance, and Democracy in the Age of the Mainframe, 1947–1968

Janet Toland (Victoria University of Wellington, New Zealand): Computing Opportunities for All: ACM's Role in Influencing Public Policy on Universal Access and Education, 1960 to 2010

Ksenia Tatarchenko (New York University, United States): "Primum Non Nocere" [First, Do No Harm]: Computer Expertise, Responsibility, and Cold War International Encounters

PRELIMINARY PROGRAM, continued

Tinkering with Technology: Modification and Improvisation by User and Consumer

Organizer: **Penelope K. Hardy** (Johns Hopkins University, United States)

Chair: **Layne Karafantis** (Johns Hopkins University, United States)

Comment: **Kathleen Franz** (American University, United States)

David Burel (Auburn University, United States) **[Robinson Prize Candidate]**: If You Cannot Buy One, Build One: The Persistence of User Modification and Conversion of Road Vehicles into Recreational Vehicles

Penelope K. Hardy (Johns Hopkins University, United States) **[Robinson Prize Candidate]**: Tinkering at Sea: Technological Adaptation and Intervention at the Origins of Oceanography

Maurits Ertsen (Delft University of Technology, Netherlands): Getting Everybody to Clap at the Same Time: Tinkering with Gezira Irrigation Technology through Time (1920–1950)

Yana Boeva (York University, Canada) **[Robinson Prize Candidate]**: Tinkering as Design: Users as Designers Repurposing Obsolescence

Technology and Affect

Organizer: **Peter Soppelsa** (University of Oklahoma, United States)

Chair and Comment: **Chandra Bhimull** (Colby College, United States)

Peter Soppelsa (University of Oklahoma, United States): "The Face of Paris Destroyed": Public Works and the Urban Body

Orit Halpern (The New School University, United States): "Demo or Die": Architecture Machine Group and the Rise of the Responsive Environment

Brenton Malin (University of Pittsburgh, United States): Projecting Emotions: Communication Research and Emotional Control in the Early 20th Century United States

Whitney Laemmli (University of Pennsylvania, United States): "To Bring that Swing and Lilt in Labor": Visualizing Affect in the Mid-Century Corporation, 1940–1970

Engineers as Artists, Artists as Inventors

Organizer: **W. Patrick McCray** (University of California, Santa Barbara, United States)

Chair and comment: **Matthew Wisnioski** (Virginia Tech, United States)

Andrew Nelson (University of Oregon, United States): Robust Action and the Rise of the CCRMA-lites: The Emergence of Computer Music at Stanford

W. Patrick McCray (University of California, Santa Barbara, United States): Spinoffs and Fallout: Commercializing the Engineer-Artist Nexus

Pater Sachs Collopy (University of Pennsylvania, United States): Engineering Video Art: Collaboration and Professional Identity

Dawna Schuld (Indiana University, United States): Engineering Experience: Art, Technology, and the Making of Phenomenal Art

PRELIMINARY PROGRAM, continued

What Is Colonial Technology?

Organizer and chair: **Philip Brown** (Ohio State University, United States)

Hiromi Mizuno (University of Minnesota, United States): Colonial Technocrats of the Japanese Empire: The Taiwan Technology Association

Philip Brown (Ohio State University, United States): Improving on Nature

Shuntaro Tsuru (Kyoto University, Japan): Incorporating the Reactions of Local Populations: Extension of Cultivation Techniques by Japanese Sugar Company under Colonial Taiwan

Toshihiro Higuchi (Kyoto University, Japan): Natural Enemies, Colonial Friends: Tokuichi Shiraki, Pacific Empires, and the Introduction of Biological Control Agents in Colonial Taiwan

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Saturday, 10 October • 10:15–11:45 AM

Railroad Construction, Labor Regimes, and Commerce in the Portuguese and Colonial Frontier Zones

Organizer: **Anne E. C. McCants** (Massachusetts Institute of Technology, United States)

Chair and comment: **Ellan F. Spero** (Singapore University of Technology and Design)

Eduardo Beira (Instituto Superior Técnico, Portugal) and **Anne E. C. McCants** (Massachusetts Institute of Technology, United States): Transport Technology and Economic Change on the "Frontier" of Trás-os-Montes, Portugal

Bruno J. Navarro (New University of Lisbon, Portugal) and **Hugo Silveira Pereira** (Inter-university Research Centre for the History of Science and Technology, Portugal): Building Railways in the Portuguese Colonies of Africa and India: The Mormugão and Ambaca Railways

Ian J. Kerr (University of London, United Kingdom, and University of Manitoba, Canada): Building the Infrastructures of Empires: Labor, Labor Processes, and Technology Transfer in Large-scale Construction Projects in Britain's Asian and African Colonies, c. 1850–c. 1920

Disruptions → Designs

Chair: **TBA**

Comment: **Sophie Hochhäusl** (Cornell University, United States)

Edmund Potter (Mary Baldwin College, United States): To Build Anew with Science and Technology: Reconceiving the Construction Techniques of the Trenches of the Great War for an Utopian Future

Tasha Rijke-Epstein (University of Michigan, United States): Languishing Latrines: Enactments and Enchantments of Sanitation Infrastructure in Colonial, Urban Majunga, Madagascar, 1902–1941

Greet De Block (Antwerp University, Belgium): Cyborg Urbanism: Technonatural Design, Risk, and Resilience in the Early 19th Century

PRELIMINARY PROGRAM, continued

Computer Users, Experts, and Citizens

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

Chair: **Jason Gallo** (Science and Technology Policy Institute, United States)

Comment: **Ronald R. Kline** (Cornell University, United States)

(Sponsored by SIGCIS)

Evan Hepler-Smith (Princeton University, United States) **[Robinson Prize Candidate]**: "The Sins of our Forefathers": Chemists, Information Systems, and the Elusive Ideal of Unique Chemical Names

Margo Boenig-Liptsin (Harvard University, United States) **[Robinson Prize Candidate]**: Players, Not Users: The Role of Computer Play in the Education of Citizens of the Information Age

Kevin Driscoll (Microsoft Research New England, United States): **[Robinson Prize Candidate]**: Building a Grassroots Internet: Technical Culture and the Dial-Up Bulletinboard System

Whose History? Museum Collections, Public Display, and Interpreting the History of Technology

Organizer: **Tilly Blyth** (Science Museum, London, United Kingdom)

Chair: **Margaret Weitekamp** (Smithsonian Institution, United States)

Tilly Blyth (Science Museum, London, United Kingdom): Beyond the Artifact: Broadening Audiences and Engaging Publics in the History of Technology

David McGee (Canada Science and Technology Museum): Diamond Framing: Dealing with Narrative Fragmentation in the Online History of the Bicycle

Jennifer Levasseur (Smithsonian Institution, United States): Overcoming the Past: Using New Sources to Interpret Artifacts

Sophie Goggins (National Museums Scotland, United Kingdom): Patient Groups and Collections

Spreading the Word

Chair: **TBA**

Comment: **TBA**

Timothy Stoneman (Georgia Tech Lorraine, France): Creating the Protestant Voice of Europe, 1948–1970

Amy Kaminski (NASA, United States) **[Robinson Prize Candidate]**: Sharing the Shuttle with America: NASA and Public Engagement with Human Space Slight Technology after Apollo

Joshua Brinkman (Virginia Tech, United States): Gender, Work Processes, and the Modernization of American Agriculture: Exploring Historical and Cultural Challenges Faced by the Organic Foods Movement

PRELIMINARY PROGRAM, continued

The Power of the Print

Chair: **TBA**

Comment: **TBA**

Noeme Santana (University of London and Science Museum, United Kingdom): Progress, Efficiency, and Operational Management: The S. Pearson & Son Photographic Albums of His Majesty's Factory, Gretna

Zeynep Devrim Gürsel (Macalester College, United States): A Sovereign's Field of Vision: Evidence, Transparency, and the Politics of Visibility

Eric C. Nystrom (Rochester Institute of Technology, United States): Change of Plans: Blueprint Technology and the Evolution of the Visual Culture of American Mining Engineering

Probing Television

Chair and comment: **Alexander B. Magoun** (IEEE History Center / Stevens Institute of Technology, United States)

Luke Stadel (Northwestern University, United States): Television as Endoscopy: A History of Seeing Inside the Body

Nick Hall (University of London, United Kingdom): ADAPT: Using Hands-on Technological Simulation to Communicate Television's Clockwork Past to Future Digital Users

Reem Hilu (Northwestern University, United States): "TV Goes Powww!": Voice Controlled Media and Domestic Space

Constructing Foods and Creating Tastes: Histories of Foods in Transnational Perspectives

Organizer and chair: **Kellen Backer** (Syracuse University, United States)

Comment: **Jonathan Rees** (Colorado State University, Pueblo, United States)

William Carleton (University of New Mexico, United States) **[Robinson Prize Candidate]**: Seeds of Change: Dr. Fabian Garcia, the New Mexican Chile Pepper, and Modernity in the Early Twentieth-Century U.S.-Mexico Borderlands

Kellen Backer (Syracuse University, United States): Procuring Uniformity: The Quartermaster Corps, Standardization, and the Mass Production of American Food in World War II

Gabriella Petrick (George Mason University, United States): "Discovering" the Fifth Taste: Making Umami

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Saturday, 10 October • 12:45–2:15 PM

Detecting and Concealing

Chair: **TBA**

Comment: **TBA**

James Schwoch (Northwestern University, United States): Ear Trumpets, Hand Screens, Isolation Booths, and a Nerve Center that Girdles the World: Communications Security and the Telegraph in 19th Century Washington, D.C.

E. Prasad Venugopal (University of Detroit Mercy, United States): The Origins of the Racial Classification of Human Hair in Forensic Investigations

Racquel M. Gonzales (University of California, Irvine, United States): Expertise at Your Fingertips: Fingerprinting, Home Correspondence Education, and Citizen Detection in Early Twentieth Century America

PRELIMINARY PROGRAM, continued

Ordering Concepts of Information Technologies

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

Chair and comment: **Rachel Maines** (Cornell University, United States)

*(Sponsored by **SIGCIS**)*

Craig Robertson (Northeastern University, United States): Information as Modular: Organizing Paper in Early 20th Century Filing Cabinets

Andrew L. Russell (Stevens Institute of Technology, United States): Modular Design: Project Tinkertoy and the Building Materials of the Information Age

Daniel Holbrook (Marshall University, United States): Clean, Pure, and Orderly

"Up in the Air": Aerospace Technologies as Arenas for Public/Private Cooperation and Contentions

Organizer: **Sean Seyer** (University of Kansas, United States)

Chair and comment: **Alan Meyer** (Auburn University, United States)

Sean Seyer (University of Kansas, United States): The Power of an Unratified Convention: Attempts to Regulate Aviation in an Age of Government Inaction, 1920–1926

Emily K. Gibson (Georgia Institute of Technology, United States): Air France—"The World's Largest Airline": A Commercial Firm as the Chosen Instrument of France's Colonial Mission, 1948–1950s

Brian Jirout (Georgia Institute of Technology, United States): Civil Remote Sensing for Sale: Commercializing Landsat Image Use, 1978–1989

Building Environments

Chair and comment: **Geoff D. Zylstra** (New York City College of Technology, United States)

Maria Paula Diogo (New University of Lisbon, Portugal) and Ana Simões (University of Lisbon, Portugal): Utopian Visions: The Role of Techno-science in Shaping the Lisbon Landscape at the Turn of the 20th Century

Victor Marquez (Future Urban Mobility Program, Mexico City, Mexico): Delirious Mobility and the Return of the Bicycle!

Meredith Sattler (Cal Poly, San Luis Obispo, United States): Early Technological Innovation in the Systems Approach to Environmental Design: Architect Beverly Willis's CARLA Platform

Radios, Planes, and Lighted Spectaculars: Current Research on the History of Technology in Twentieth-Century Mexico

Organizer and chair: **J. Justin Castro** (Arkansas State University, United States)

Comment: **J. Brian Freeman** (Fairleigh Dickinson University, United States)

J. Justin Castro (Arkansas State University, United States): Insecurity and Authoritarianism: State Building, Insurrection, and Radio Broadcasting in Revolutionary Mexico

Pete Soland (University of Arizona, United States): Death to the Dinamiteros: Aviation Terrorism and Civilizing Discourse of Mexico's Security State, 1952–53

Toni Salazar Loftin (University of Texas, Dallas, United States): "To Brighten and Beautify the City": The History of Electric Spectaculars in Mexico City

PRELIMINARY PROGRAM, continued

Rethinking 1947 and 1991 in India: High Technology and the State

Organizer and
comment: **Ross Bassett** (North Carolina State University, United States)

Chair: **John Bosco Lourdusamy** (Indian Institute of Technology, Madras)

Aparajith Ramnath (Indian Institute of Management, Kozhikode): International Networks and Aeronautical Engineering in Late-Colonial India: Hindustan Aircraft Limited, 1940–47

Ramesh Subramanian (Quinnipiac University / Yale University, United States): High Technology and the Developing State: The Development of India's PARAM Supercomputer

Colin Agur (Yale University, United States): Re-Imagining the Indian State: Three Phases in Telecom Policy, 1947–present

Presidential Roundtable: Learning from Africa's Technology Stories

Organizer: **Laura Ann Twagira** (Wesleyan University, United States)

Chair and moderator: **Gabrielle Hecht** (University of Michigan, United States)

Tara Dosumu-Diener (University of Michigan, United States)

Jennifer Hart (Wayne State University, United States)

Drew Thompson (Bard College, United States)

Laura Ann Twagira (Wesleyan University, United States)

Normative Subjectivities in the Postwar United States

Organizer: **Caroline Jack** (Cornell University, United States)

Chair: **Aaron Trammell** (Rutgers University, United States)

Comment: **Nathan Ensmenger** (Indiana University, United States)

Renyi Hong (University of Southern California, United States) **[Robinson Prize Candidate]**: Postwar Office Interiors and Worker Subjectivities

Caroline Jack (Cornell University, United States): Empathy for the C-Suite: Management Simulation Games in the Classroom

Aaron Trammel (Rutgers University, United States) **[Robinson Prize Candidate]**: Ludic Subjectivity

Roundtable: History of Video Games as History of Technology?

Organizer: **Raiford Guins** (Stony Brook University, United States)

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

Raiford Guins (Stony Brook University, United States)

Lori Emerson (University of Colorado, Boulder, United States)

Melanie Swalwell (Flinders University, Australia)

Elizabeth Losh (University of California, San Diego, United States)

Henry Lowood (Stanford University, United States)

PRELIMINARY PROGRAM, continued

Saturday, 10 October • 2:30–4:00 PM / 2:30–4:30 PM (specific times for each session are listed below)

Railways, Space, and Power in Asia (2:30–4:00 PM)

Chair and comment: **William K. Storey** (Millsaps College, United States)

Wang Bin (Chinese Academy of Sciences, China): Contested Interconnections: Colonialism and the Making of Railway Junctions in Early 20th Century China

Aparajita Mukhopadhyay (Salisbury University, United States): Technologies and Social Spaces: Railways in Colonial India

Irene Anastasiadou (Berlin University of Technology, Germany): Iron Silk Roads: Railways and Europe–Asian Relations in the Years of the Cold War

Intelligent Machines (2:30–4:00 PM)

Chair: **Adelheid Voskuhl** (University of Pennsylvania, United States)

Comment: **TBA**

Julie Wosk (State University of New York, United States): Female Androids and Robots in a Changing Technological World

David Parisi (College of Charleston, United States): Touching Utopia: Virtual Reality and the New Discipline of Computer Haptics

Colin Garvey (Rensselaer Polytechnic Institute, United States): AI in Japan: A Cross-Cultural Comparison

Up, Up, and Away (2:30–4:00 PM)

Chair and comment: **Deborah Douglas** (MIT Museum, United States)

Patrick Luiz Sullivan De Oliveira (Princeton University, United States) **[Robinson Prize Candidate]**: The Ascending Republic: French Ballooning in the Wake of the Franco-Prussian War

Jordan Bimm (York University, Canada): Spaceships in the Basement: A History of the Space Cabin Simulator

Adam Rothstein (Independent Scholar, United States): Creating a Usable Historical Narrative of Future Drone Technology

Wind, Water, and Watts (2:30–4:00 PM)

Chair and comment: **Richard Hirsh** (Virginia Tech, United States)

Christian Zumbrägel (Technical University of Darmstadt, Germany): Brushing the History of Small-Scale Hydropower Technology Against the Grain

Fredrik Meiton (New York University, United States): Electrical Palestine: Technocapitalism and National Space

Katherine Dykes (Massachusetts Institute of Technology, United States): Comparison of Large Scale Wind Turbine Developments from the 1930s through the 1960s and Their Current Impact on Wind Turbine Technology

PRELIMINARY PROGRAM, continued

Rethinking Craftsmanship (2:30–4:00 PM)

Chair and comment: **Daryl M. Hafter** (Eastern Michigan University, United States)

Jochen Büttner (Max Planck Institute for the History of Science, Germany): Design Matters: The Unequal-Armed Balance from Classical Times to the Middle Byzantine Period

Heidi Hausse (Princeton University, United States) **[Robinson Prize Candidate]**: Setting the Record Straight: The Invention of Mechanical Limbs in Sixteenth-Century Europe

Nadège Sougy (Université de Neuchâtel, Switzerland): Made in Geneva: The Watch-Making of Geneva in the 19th and 20th Centuries

Roundtable: What Role Should Technology Play in the History of Capitalism? (2:30–4:00 PM)

Organizers: **W. Bernard Carlson** (University of Virginia, United States) and
            Jonathan Coopersmith (Texas A&M, United States)

Jonathan Coopersmith (Texas A&M, United States)

Richard John (Columbia University, United States)

Stephen Mihm (University of Georgia, United States)

Barbara Hahn (Texas Tech, United States)

Roundtable: H.O.T. Goes Pop! Histories of Technology in the Public Eye (2:30–4:30 PM)

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

Rebecca Onion (Slate.com and Ohio State University, United States)

Jean Kumagai (IEEE Spectrum, United States)

Alex Wellerstein (Nuclearsecrecy.com and Stevens Institute of Technology, United States)

Sandra Upson (Backchannel and Scientific American Mind, United States)

Martin LaMonica (The Conversation, United States)

Other(ed) Epistemologies of the Technological (2:30–4:30 PM)

Organizer: **Clapperton Chakanetsa Mavhunga** (Massachusetts Institute of Technology, United States)

Pablo F. Gómez (University of Wisconsin, United States): Caribbean Epistemologies of Technology in the Age of Revolutions

Emily Hannah Merson (York University, Canada): International Art World & Transnational Artwork: Decolonial Epistemologies in Rebecca Belmore's Fountain at the Venice Biennale

Clapperton Chakanetsa Mavhunga (Massachusetts Institute of Technology, United States): African Chemistry: Opening Up the Question of the Technological from Outside the Western Episteme

Mhoze Chikowero (University of California, Santa Barbara, United States): Rethinking Broadcasting: Madzimbabwe Informational Systems

Anna Agathangelou (York University, Canada): When Reach Exceeds Its Grasp: Unruly Nature, Technology, and the Limits of Biocoloniality

Tisha Hooks (Yale University, United States): Epistemologies of Black and White: Race, "Color," and the Camera

PRELIMINARY PROGRAM, continued

Engineers, Technology, and Neoliberal Economic Doctrine and Practice (2:30–4:30 PM)

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

Chair: **Andrew McGee** (University of Virginia, United States)

James Skee (University of California, Berkeley, United States): The "Tower of Freedom": Florida's Interama, the Rise of Microeconomics, and Real Estate Development, 1960–1970

Andrew Butrica (Independent Scholar, United States): Managers, Engineers, and Politics: The Rise and Fall of French Telecommunications

Michael Lachney (Rensselaer Polytechnic Institute, United States): Open Education and Personal Technologies: Neoliberal Ideologies and Educational Technology Research at MIT in the 1970s and 1980s

Atsushi Akera (Rensselaer Polytechnic Institute, United States): Neoliberal Practice in European Engineering Educational Reform: The Danish Response to the Bologna Process, 1999–present

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Sunday, 11 October

Prometheans Workshop • 8:00 AM–12:00 PM

Following breakfast at 7:00 AM at Gardunos Restaurant & Cantina (at the Hotel Albuquerque, the conference hotel), the Prometheans will hold their annual workshop session from 8:00 AM to 12:00 PM, also at the Hotel Albuquerque. For more information, please contact Ann Johnson at ajohnson@mailbox.sc.edu.

WITH-EDITH Workshop • 8:00 AM–12:00 PM

Following a catered breakfast at 7:00 AM, WITH and EDITH will host a joint workshop from 8:00 AM to 12:00 PM, all at the Hotel Albuquerque. For more information, please contact Tisha Hooks (tisha.hooks@gmail.com) or Arwen Mohun (Mohun@udel.edu).

Albatrosses Workshop • 8:00 AM–12:00 PM

Following breakfast at 7:00 AM at Gardunos Restaurant & Cantina (at the Hotel Albuquerque, the conference hotel), the Albatrosses will hold their annual workshop session from 8:00 AM to 12:00 PM, also at the Hotel Albuquerque. For more information, please contact Angelina Callahan (angelinalcallahan@gmail.com) or Michael Neufeld (neufeldm@si.edu).

SIGCIS Workshop: Infrastructures • 7:00 AM–5:00 PM
(Catered breakfast at 7:00 AM, followed by the workshop at 8:00 AM)

Across academic, artistic, and popular domains, curiosity in infrastructures that sustain economic, cultural, and social interaction has never been more salient. In contrast to the hype generated by the gadgetry of innovation prophets and venture capitalists, an emphasis on infrastructure highlights networks of labor and focuses on the human, material, and ecological cost and scale of information and computing technologies.

PRELIMINARY PROGRAM, continued

The SIGCIS 2015 Workshop will focus on papers engaging historical dimensions of the prosaic work of building networks, cultivating workforces, and maintaining computing and information infrastructures. Related themes necessarily include maintenance, labor, and ordinary experiences with information and computing technologies; digital archives and their sustainability; cyberinfrastructures for bureaucratic and scientific collaboration; the materiality of computing, media, and information technologies; specific infrastructural technologies such as cables, fiber-optics, switching, and wireless; political and economic aspects of infrastructure maintenance and development; and tensions between local or national legal regimes and global information infrastructures. As always, the workshop will feature contributions related to the history of computing and information, whether or not there is an explicit connection with the annual theme.

The workshop will include breakfast and lunch. Anyone wishing to attend must register for the Sunday SIGCIS workshop as part of their registration for the SHOT conference. A registration form appears elsewhere in this newsletter, and also at www.historyoftechnology.org.

For further information on the SIGCIS Workshop, please consult http://www.sigcis.org/.

TOURS

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

Thursday, 8 October • 7:00 AM–5:00 PM

Los Alamos Day Trip
Limited to 32 people. Cost is $15 per person.

Spend the day in historic Los Alamos! A bus will take you from the Hotel Albuquerque to the center of Los Alamos, where you will be free to choose your own activities for the rest of the day. Visit the Bradbury Science Museum and the Los Alamos Historical Museum, take the Los Alamos Walking Tour, or join us for a bus tour of the town and its many sights and vistas. (All activities apart from the bus to and from the hotel will cost extra.) The bus will then depart for the Hotel Albuquerque at 3:15pm sharp.

Friday, 9 October • 8:00 AM–12:00 PM

Acoma Pueblo Tour
Limited to 29 people. Cost is $30 per person.

Join us for a walking tour of one of the oldest continuously inhabited communities in the United States: Sky City, also known as Old Acoma, a Native American village nestled atop a mesa fifty miles west of Albuquerque (www.acomaskycity.org). The bus will depart from the Hotel Albuquerque at 8am sharp, and once we arrive a separate shuttle will take us to the top of the mesa for a guided tour. Our chartered bus will then depart for the return trip to the Hotel Albuquerque at 11:00am.

12:15 PM–5:00 PM

Sandia Peak Tram
Limited to 29 people. Cost is $30 per person.

Take in spectacular views of 11,000 square miles of New Mexico desert, including the entire Albuquerque region, from the crestline of the Sandia Mountains! The bus will depart from the Hotel Albuquerque at 12:15pm sharp, and will take you to the visitor's center located at the base of the mountain range. From there, a 15-minute ride on the third-longest cable car in the world (www.sandiapeak.com) will take you to a scenic overlook at 10,373 feet above sea level (close to 4,000 feet above the visitor's center, and close to 5,000 feet above the city of Albuquerque). The views are spectacular!

REGISTRATION FORM

58th MEETING OF THE
SOCIETY FOR THE HISTORY OF TECHNOLOGY

Albuquerque, New Mexico • 8–11 October 2015

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 Hotel Albuquerque**   _____ **another hotel**

_____ **The Hyatt Regency**   _____ **With family or friends**

_____ **the graduate student hotel**   _____ **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 September 2015

☐ SHOT member $185*

☐ SHOT member underemployed scholar/retired $150*

☐ SHOT student member $150*

☐ Non-SHOT member (includes one-year membership) $249**

☐ Non-SHOT member student (includes one-year membership) $184**

☐ Non-SHOT member underemployed scholar / retired $194**
   (includes one-year membership)

☐ Fee for attending spouse $ 25

Late Registration — after 1 September 2015

☐ SHOT member $225*

☐ SHOT member underemployed scholar/retired $190*

☐ SHOT student member $190*

☐ Non-SHOT member (includes one-year membership) $289**

☐ Non-SHOT member student (includes one-year membership) $224**

☐ Non-SHOT member underemployed scholar / retired $234**
   (includes one-year membership)

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* *Please note that we will verify your membership status, and the difference will be charged to your credit card if your membership is not up-to-date as of 1 September 2015.*

** Non-SHOT members who register for the conference will automatically receive a one-year membership. Membership includes a subscription to *Technology and Culture*.

TOURS & EVENTS

SHOT Tours

☐ Thursday, 8 October • 7:00 AM–5:00 PM
   Los Alamos Day Trip
   $15 per person
   (limited to 32)

   _____
   (registrant)

   _____
   (name of accompanying person)

☐ Friday, 9 October • 8:00 AM–12:00 PM
   Acoma Pueblo Tour
   $30 per person
   (limited to 29)

   _____
   (registrant)

   _____
   (name of accompanying person)

☐ Friday, 9 October, 12:15 PM–5:00 PM
   Sandia Peak Tram
   $30 per person
   (limited to 29)

   _____
   (registrant)

   _____
   (name of accompanying person)

SHOT Events

☐ Thursday evening
   Plenary Reception, Casa Esencia
   $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)

☐ 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 $15 per person

_____
(registrant)

_____
(name of accompanying person)

☐ EDITH
Friday Lunch $15 per person

_____
(registrant)

_____
(name of accompanying person)

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

_____
(registrant)

_____
(name of accompanying person)

☐ Envirotech
Saturday Breakfast $10 per person

_____
(registrant)

_____
(name of accompanying person)

☐ SHOT Asia Network
Saturday Breakfast $10 per person

_____
(registrant)

_____
(name of accompanying person)

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

_____
(registrant)

_____
(name of accompanying person)

☐ WITH
Saturday Lunch $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)

☐ Albatrosses
Sunday Workshop Session   No Charge

_____
(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)

SIG EVENTS, continued

☐ Prometheans
Sunday Morning Roundtable and Workshop
No Charge

_____
(registrant)

_____
(name of accompanying person)

☐ WITH-EDITH
Sunday Breakfast Meeting $10 per person

_____
(registrant)

_____
(name of accompanying person)

☐ WITH-EDITH
Sunday Morning Workshop No Charge

_____
(registrant)

_____
(name of accompanying person)

☐ SIGCIS
Sunday Workshop
$25 per person (includes breakfast and 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 September 2015:

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

Between 1 September and 1 October 2015:

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

After 1 October 2015:

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 ALBUQUERQUE

Our main hotel for the 2015 conference is the Hotel Albuquerque:

• **The Hotel Albuquerque at Old Town**
  800 Rio Grande Boulevard NW
  Albuquerque, New Mexico, 87104
  Phone: (505)843-6300
  Email: hotelabq@hhandr.com
  Web site: www.hotelabq.com

Because our block of rooms at the Hotel Albuquerque sold out rapidly, and because we are meeting during the Balloon Fiesta, we also booked a small overflow block at the Hyatt Regency Albuquerque:

•   **Hyatt Regency Albuquerque**
  330 Tijeras Avenue NW
  Albuquerque, New Mexico, 87102
  Phone: (505) 842-1234
  *Web site:*http://albuquerque.hyatt.com/en/hotel/our-hotel.html

The Hyatt is located approximately 1.7 miles from the Hotel Albuquerque, a 16 minute ride by bus (route 766 or 66, which run every 10 minutes), a 6 minute ride by cab, or a half-hour walk. Our rate is $209 for a single or double, $234 for a triple, and $259 for a quadruple, plus tax (13%).

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 (the graduate-student hotel is a brief 1/3-mile walk from the Hotel Albuquerque). 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 2018, so we are seeking institutions willing to host a meeting in 2019 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 2015.**

Please direct inquiries to the Sites Committee chair, Mark Clark (Oregon Tech), at mark.clark@oit.edu.

Locations and Dates of Future SHOT Meetings:

2015   8–11 October, Albuquerque, New Mexico

2016   22–26 June, Singapore (hosted by the National University of Singapore)

2017   26–29 October, Philadelphia, Pennsylvania

2018   dates TBA, St. Louis, Missouri

ELECTIONS

The 2015 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 Robert White-Goodman of the Journals Division of the Johns Hopkins University Press (rwg@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 **30 September 2015.**

This year's ballot includes candidates for the Executive Council, Nominating Committee, and Editorial Committee. 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.

CANDIDATES FOR THE EXECUTIVE COUNCIL

Lars Heide. I am associate professor of business history at Copenhagen Business School, Denmark. I have published extensively in English and Danish on innovation and application of information and other technologies in Denmark, the United States, Germany, Great Britain, and France and their role in the development of society, including *Punched-Card Systems and the Early Information Explosion, 1880–1945* (2009). My current research explores the possibilities and resource of differences in innovation across countries. It is fascinating to discuss history of technology with people living in different parts of the world, learning how their societies worked with technology and improving understanding of my own country and Europe.

My first SHOT meeting was in 1993. I was excited, and since then SHOT has been my primary professional home. I had the privilege of chairing the local organizing of the SHOT meeting in Copenhagen in 2012, and, in 2013, I joined the Ad Hoc Committee on Structure and Organization. I serve as a member of the program committee (2013–2015). These committees have provided great opportunities to work with great colleagues improving the SHOT conferences, like the new open session format, streaming of sessions and establishing the SHOT Facebook site. I am running for an Executive Council seat to get the opportunity to contribute to improving how SHOT facilitates intellectual inspiration and professional networking and releases more of our great history of technology potential, for example, by improving social media at SHOT and expanding international outreach with the goal of making SHOT a truly global society.

Sabine Höhler. I am an Associate Professor of Science and Technology Studies at KTH Royal Institute of Technology in Stockholm, Sweden. I was trained as a physicist but embarked on critical and feminist science and technology studies after receiving my MSc (from KIT Karlsruhe in Germany, 1993). I seized the opportunity of writing a PhD thesis in a history and social science department (Braunschweig University of Technology, 1999) and became a historian of science and technology. In my research and teaching I bring cultural and global historical perspectives to the history of the earth sciences and technologies of earth exploration in the 19th and 20th centuries. I have focused on aviation and atmospheric physics, on oceanography and deep-sea exploration, and on space flight and ecology. On the latter theme I recently published the book *Spaceship Earth in the Environmental Age, 1960–1990* (London, Pickering & Chatto 2015) about the spaceship as a key metaphor in the late twentieth-century debate over the world's resources and the future of humankind. I held fellowships and positions in various places in Germany, the United States and Switzerland before taking up my current position in Sweden in 2011. My first appearance at a SHOT conference I had in 2005, and have been a SHOT member since 2010. From 2012 to 2014 I served on the SHOT Travel Grants Committee.

I feel honored to be considered a candidate for SHOT's Executive Council. If elected I will develop the issues that have been closest to my heart in my career: facilitating exchange across traditional disciplinary boundaries and geographical spaces, and working towards inclusiveness. History of science and technology is a fascinating field, but I was also gripped by STS for its multidisciplinary approaches and for its boldness in tackling political issues of class, race and gender. I also feel increasingly committed to environmental history as it intersects with studies of technoscience creating environments. Moreover, having worked at many different places I will aspire to join efforts to make SHOT an open and global environment for a diversity of scholars to share. Serving on the SHOT Travel Grants Committee showed me that a vibrant and inspiring community is one that welcomes graduate students, young scholars and independent scholars, that invites cultural encounters and is open to new themes. I feel that SHOT more than other societies in our field has advanced a culture of cross-disciplinarity, global exchange and mutual learning. I would like to join hands and experiment further with ideas to support this course.

CANDIDATES FOR THE EXECUTIVE COUNCIL, continued

Stuart W. Leslie. I'm honored to be asked to run for the Executive Council. Having joined SHOT in graduate school in the late 1970s, I realize I've now been a member for more than half its organizational life, and for well more than half of my own life! So perhaps there's something to be said for experience and institutional memory. I have served SHOT as Secretary, as a member of most of its prize committees, and as a previous member of the Executive Council. Many of my former graduate students have also served in those capacities. As a trustee of the D. W. Kim Foundation, I have been actively supporting research on the history of modern East Asian technology. My own work has moved from the Cold War in the US to the Cold War in South Korea, Iran, India and Pakistan. Our department at Johns Hopkins has added an endowed chair in the history of Japanese technology, a historian of early modern science and technology in Latin America, and most recently a historian of 19th c. European technology. SHOT as a whole should continue to aim for similar chronological and geographical balance. As someone who has taken a strong interest in architecture, I would also like to see more engagement with sister organizations such as the Society of Architectural Historians, the College Art Association, and the American Antiquarian Society, which share our interests in material and visual culture.

Mara Mills. I am 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 postdoctoral 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.

CANDIDATES FOR THE EXECUTIVE COUNCIL, continued

Jody Roberts. I am the Director of the Institute for Research at the Chemical Heritage Foundation in Philadelphia, PA (USA). I also serve 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. I have an undergraduate degree in chemistry from Saint Vincent College and hold both M.S. and Ph.D. degrees in Science and Technology Studies from Virginia Tech. I first came to CHF in 2005 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, I became the director of that Center and now direct CHF's research efforts more broadly. My 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 me 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-technology-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 grappling with the material and cultural legacy of asbestos, and working with research managers in chemical companies to better understand the changing needs and cultures of innovation. My experience these past two years as a Distinguished Lecturer for Sigma Xi (the scientific research society) provided me with an ongoing opportunity to argue for the critical of the humanities (especially history) in constructing sustainable societies of the future.

If elected to the council, I would aim to merge these experiences into a focus on two core issues directly applicable to SHOT and its membership. First, I would work with the council to develop a voice on behalf of the members and in concert with our colleagues in other humanities of science and technology societies, to argue for the important role of understanding, interrogating, and communicating history in the development of societies resilient enough to adapt to the challenges that face our global citizenry. Second, I would work with the council to create opportunities for the next generation of historians of technology to participate with and communicate to the interested audiences outside of their peer networks who can most benefit from the work our members undertake.

Darwin Stapleton. Darwin H. Stapleton received his Ph.D. from the University of Delaware (1975), with a dissertation under the direction of Eugene S. Ferguson, a founder of the Society for the History of Technology. A revised version of his dissertation was published as *The Transfer of Early Industrial Technologies to America* (1987). He was the Associate Editor of the *Papers of Benjamin Henry Latrobe* (1974–1984), and taught in the History of Technology and Science Program at Case Western Reserve University, 1976–86. For the next 22 years he was the Executive Director of the Rockefeller Archive Center, and from 2010–2014 was Professor and Director of the Archives Track in the History Department at the University of Massachusetts Boston. He served SHOT as a member of the Executive Council in the 1980s, and most recently as chair of the Ferguson Prize committee.

CANDIDATES FOR THE EXECUTIVE COUNCIL, continued

Dr. Stapleton has published and presented widely in the history of technology, ranging from studies of the transfer of technology from Europe to the U.S., to studies of the industrialization of Cleveland, and to his more recent work on public health in east Asia. An article and several book reviews of his have appeared in Technology and Culture. He has also published in the fields of the history of education, the history of philanthropy, and the history of science. His most recent book is an edited volume, *Science, Public Health and the State in Modern Asia* (2012). He continues to research and write in the history of technology, with a contribution to *The Disaster Life Cycle: Case Studies from Six Continents* (forthcoming, 2015). He is a Certified Archivist who, with his spouse Donna Stapleton, provides archival consultation services to individuals and institutions.

CANDIDATES FOR THE EDITORIAL COMMITTEE

Peter Norton. Peter Norton is a historian of technology, with particular interests in transportation, cities, and streets. He is associate professor of history in the University of Virginia's Department of Engineering and Society, where he has taught since 1998, and a member of the university's Center for Transportation Studies. He is the author of *Fighting Traffic: The Dawn of the Motor Age in the American City* (MIT Press, 2008). For his article "Street Rivals: Jaywalking and the Invention of the Motor Age Street" (*Technology and Culture,* 2007), Norton won the Abbott Payson Usher Prize of the Society for the History of Technology. From 2010 to 2013, Norton was editor in chief of *Mobility in History,* the annual review of the International Association for the History of Transport, Traffic, and Mobility. He is winner of the Hartfield-Jefferson Scholars Teaching Prize (2012) and of the Trigon Engineering Society's Hutchinson Award "for dedication and excellence in teaching" (2005).

Jahnavi Phalkey. It is an honor to be nominated for election to the SHOT Editorial Committee. A graduate of Georgia Tech (2007), I am now Lecturer in History of Science and Technology at King's College London. I have authored *Atomic State: Big Science in Twentieth Century India* (2013) and co-edited *Key Concepts in Modern Indian Studies* (May 2015). At present, I am lead scholar and external curator on a major exhibition at the Science Museum London on twentieth century science and technology in India (2017). I am a member on the editorial boards of the *British Journal of History of Science* and the *Indian Journal of History of Science*.

Earlier, I have served on the SHOT International Outreach Committee (2010–2012). If elected to the Editorial Committee, I look forward to supporting our colleagues working on *T&C* in their goals, and additionally contribute to three specific areas: I will further strengthen and extend the reach of *T&C* to scholars in regions where it is less read or contributed to at the moment. Second, I will strengthen *Technology's Stories* by drawing in contributions also from curators and scholars of museology; and finally, in dialogue with the Editor and her Committee, explore the possibility of an annual special issue or section focused on big questions in history of technology.

CANDIDATES FOR THE NOMINATING COMMITTEE

Andrew Russell. It would be a privilege to serve on the Nominating Committee, and to assist in SHOT's efforts to diversify and energize its core of volunteers. I am currently an Associate Professor of History at Stevens Institute of Technology in Hoboken, New Jersey, where I also serve as Director of our Program in Science & Technology Studies. I am the author of *Open Standards and the Digital Age: History, Ideology, and Networks* (Cambridge University Press, 2014), co-editor with Robin Hammerman of *Ada's Legacy: Cultures of Computing from the Victorian Age to the Digital Age* (ACM Press, forthcoming), and I have published over a dozen articles and book chapters on the intertwined histories 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. Over the past decade (gulp!) I have been an active SHOT member, serving as a member of the Joan Cahalin Robinson Prize Committee (Chair in 2012) and the Leonardo da Vinci Prize Committee; as an organizer, presenter, and commentator for numerous panels at the annual meeting over the years; and, as of 2014, Chair of SHOT's Special Interest Group for Computers, Information, and Society (SIGCIS).

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.

2015 SHOT BALLOT

After marking your ballot, please detach it, fold it in half, and tape it closed on all three open sides. Affix a first-class stamp as indicated on the reverse side and mail it to the SHOT Secretary's office by **30 September 2015**. Alternatively, an online ballot is available through the SHOT website until **30 September 2015**.

Executive Council	Nominating Committee
Three-year term	Five-year term
Vote for 3 out of 6	Vote for 1 out of 2

_____	Lars Heide	_____	Andrew Russell
_____	Sabine Höhler	_____	Johan Schot
_____	Stuart W. Leslie	Editorial Committee	
		Five-year term	
_____	Mara Mills	Vote for 1 out of 2	
_____	Jody Roberts	_____	Peter Norton
_____	Darwin Stapleton	_____	Jahnavi Phalkey

SHOT Membership No.: _____

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SHOT Newsletter
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