NEWSLETTER

OF THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

Welcome to Singapore!

Welcome to Singapore in 2016. Our city-state is home to a thriving and expanding community of young STS-oriented scholars spread across four institutions of higher learning, all of whom are cooperating to make this meeting a success. If you've never been to Asia, or Southeast Asia, this is your opportunity to extend horizons. The same is true if you're already in the region, as the conference will bring some of the leading STS scholars from around the world to your doorstep. As for the history of technology, we intend this conference to be a landmark event in that field, and an invitation to scholars from a wide variety of disciplines and locations to join us in thinking historically (or 'diachronically,' as your taste dictates) about the role and presence of technologies in human and non-human affairs.

Asia is an originator and consumer of so much of the world's technology, but is under-represented in social science and humanities scholarship that considers technology as a category. This is most apparent when it comes to accounts that transcend the immediate present. While this conference will feature papers from every part of the globe, and not just Asia, it's also a unique opportunity to reflect on what the rise of social science and humanities scholarship on technology in this half of the world means – and could mean – across all our fields and locations.

Our venue, Tembusu College at NUS, is one of four residential colleges at the National University of Singapore's new "University Town" campus. Named after a local tree, the college counts STS scholarship, environmentalism, and international relations among its themes, which makes us a natural host for SHOT. Our campus is spacious and green, with landmark architecture, lots of restaurants, and ubiquitous air conditioning. A large staff of students and academics here will also be working to make you comfortable. Please join us and help through your presence and contribution to make SHOT's very first Asia-based conference a great success.

> *– Gregory Clancey*
> *Chair, Local Organizing Committee*

IN THIS ISSUE

SOCIETY FOR THE HISTORY OF TECHNOLOGY

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SHOT Newsletter Editorial Policies, Advertising Rates, and Submission Deadlines

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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.

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Weather in Singapore in June

Temperatures in Singapore during the conference will be warm and relatively humid. According to the almanacs at AccuWeather.com and the Weather Underground, we should be looking at high temperatures in the high 80s F (approximately 31° C), and low temperatures in the mid-70s F (approximately 24° C). Humidity will range from about 65 to 95 percent.

Transportation to Singapore

Singapore is served by Changi Airport (SIN), a major transportation hub in Southeast Asia that Skytrax has named the best airport in the world on three occasions, most recently in 2015. Located on the eastern edge of the island, Changi is approximately 13 miles from the Grand Copthorne and 18 miles from University Town. Changi is served by more than 75 airlines, including most of the major international carriers.

The easiest way to get from the airport to the Grand Copthorne or to University Town (and vice-versa) is by taxi, which costs approximately S$20 to S$40 depending on the time of day. Public transportation is also available to the vicinity of the Grand Copthorne (Tiong Bahru EW17 station is a 17 minute walk from the hotel) and to University Town (Dover EW22 station is a 20 minute walk from University Town).

Transportation within Singapore

SHOT will provide buses to carry you from the Grand Copthorne to University Town in the mornings, and from University Town back to the Grand Copthorne in the evenings. Other transportation options abound. Taxis are abundant and inexpensive (approximately S$10 to S$15 between the hotel and University Town, for example). Public transportation is also inexpensive, with unlimited 3-day bus/MRT/LRT passes starting at just over S$20. Singapore is also a very safe and walkable place, and a number of destinations are within short walking distance of the Grand Copthorne. However, please bear in mind that distances in Singapore can seem greater than a glance at a map might suggest, especially in the summer heat. (In 2015 your secretary, who is no stranger to hot and humid weather and who often takes long walks back home in Alabama, found the 6-mile walk from University Town to the Orchard Road shopping district a bit taxing, and was happy to spend S$15 for a cab ride back.)

*Note: When traveling by taxi to University Town, please tell the driver to take you to "UTown," and **not** "NUS," "National University of Singapore," nor even "Tembusu College." "**UTown**" is the most widely-known name of the venue among cab drivers.*

Also, please note that when traveling by cab to the Grand Copthorne Waterfront, you should tell the driver to take you to the "Grand Copthorne Waterfront on Havelock Road."

President's Message

Best wishes to all SHOT members for the Year of the Monkey, the zodiac sign which favours such character traits as curiosity, cunning and a taste for experiment. In other words it should be an excellent year for artisans, engineers and historians of technology.

SHOT's ingrained love of experiment will find full expression this year in our June meeting in Singapore, which will be a true melting-pot of nations, disciplines, perspectives and formats. Singapore will certainly be a meeting to remember! The programme brings together historians and practitioners, philosophers, STS scholars and artisans, feminists and activists from all over the Asia-Pacific region as well as Europe, Africa and the Americas, in a mix of "traditional" and threaded sessions, discussion panels and roundtables. Many participants are newcomers to SHOT, who we hope may be tempted to join our Society long-term. As an Asianist myself, it will be a real thrill for me to meet so many fellow SHOT members in Asia. We shall really miss those of you who couldn't manage the unusual date or the distance, but we hope you will tweet in to add your ideas to the mix.

Our warmest thanks are due to Greg Clancey, Master of Tembusu College at the National University of Singapore, for proposing that SHOT meet in Asia, and for making it possible. Our Singapore hosts, Greg, his team at Tembusu and all the members of the Local Arrangements Committee in other Singapore schools and institutes, have been working extraordinarily hard to prepare for our arrival. They have been efficient, sympathetic and ingenious in accommodating our needs and contributing exciting initiatives. At the SHOT end, our Secretary Dave Lucsko, his new assistant Matt Henderson, and our Treasurer Ross Bassett have also gone many extra miles to address the special demands of an unusually complex meeting, at an unusually early date. When you see them in Singapore, buy them a Tiger Beer!

We are excited to announce that Bruno Latour will give the opening Keynote Address in Singapore on the theme of "critical zones." Professor Latour also features as a contributor to a Presidential Panel organised by Lino Camprubi, "Phenomenotechnologies: Individual Perception, Collective Experience, and the History of Technology," along with Daiwie Fu from Taiwan. A philosopher of science and technology, Professor Fu has played a major role in establishing STS as a critical discipline in Asia, including founding the journal EASTS. EASTS' legendarily hospitable editorial team will be well represented in panels and social events at the Singapore meeting.

Asian themes and the broader questions they stimulate will naturally feature prominently at the Singapore meeting – thanks to SHOT-Asia, the EASTS Network, the Forum for the History of Technology in China, the APSTSN and all our other Asian and Pacific colleagues for the splendid list of events! These include an IAEA-sponsored forum marking 5 years since the Fukushima disaster, and a set of threaded panels reflecting on the Needham legacy in history of technology.

Feminism is another key theme in Singapore. 2016 marks the 40th anniversary of WITH (Women in Technology History), and we celebrate with several events: in addition to Ruth Schwartz Cowan's Keynote Address, there is a Presidential Panel on "Why Feminist Perspectives on Technology Still Matter: A Global/Presidential Roundtable," organised by Arwen Mohun, with discussion led by feminist scholars from East and South Asia, Europe and the United States; and a "Practitioner's Roundtable: Challenges and Opportunities for Working at the Intersections of Technology, Gender Equality, and Youth Empowerment in the 21st Century," which brings together scholars, engineers, UNWomen activists and digital designers from the Singaporean community.

A third important theme is how history of technology contributes to social responsibility and to projects for the human future. Here we have a Presidential Panel organised by Johan Schot and Suzanne Moon, "Rethinking Society for the 21st Century," where SHOT members are invited to discuss how history of technology and STS should inform the International Panel of Social Progress initiative (see below for more details); we also have a Roundtable organised by Annapurna Mamidipudi and Wiebe Bijker, "Craft and Art in Innovation, and Innovation in the Arts and Crafts—Exploring New Engagements for the History of Technology," which brings together craft-workers,

President's Message, continued

organisers and historians to explore possibilities for social justice and sustainable futures.

There have been complaints in the past that pre-modern themes feature too seldom on SHOT programmes, so it's gratifying to see that the Singapore programme includes several panels on pre-modern technologies and epistemologies, East and West, in addition to a number of panels that address the challenges and benefits of thinking with regions, and thus with non-Eurocentric periodisations. This move towards deeper history and wider comparisons will be a welcome addition to the field of critical H.o.T.

Singapore events also include SHOT's third THATCamp (21 June); our second Graduate Student Workshop (24 June); 6 SIGS workshops (26 June); the IAEA forum (23 and 24 June); lunchtime talks on the "History of Transportation" hosted by SMART Lab (23 June) and "Future Cities: 5 Challenges," hosted by Future Cities Lab (24 June); the launch of our new Early Career SIG (ECIG) (23 June); and wonderful tours that explore the City State of Singapore past, present, and future.

I warmly thank all of you who have put so much effort into organising panels, proposing papers, organising special events and excursions, and providing support and encouragement for this fantastic meeting!

Since most of the remaining space in this Newsletter is required for the schedule and practical details of our Singapore meeting, having rhapsodised at length on its intellectual delights I will keep the rest of my message brief.

In an *eNewsletter* sent out in January (accessible at www.historyoftechnology.org), you will find information about recent SHOT initiatives and plans, including decisions and proposals under discussion by the Executive Council. Topics include the permanent endowment of the Edelstein Prize; new initiatives for graduate representation; ideas about updating the organisation of SHOT administration; and the appointment of our new Social Media Coordinator, Liz Bruton. There is one important section I would like to bring again to your attention, since we really need input here from SHOT members.

Better Newsletters: Call for Input

SHOT does already have a News rubric on its website listing conferences, workshops and other calls for papers, job and grant opportunities and H.o.T.-related prizes. But our current online News rubric is strictly professional and very concise; a Newsletter should be an enjoyable and stimulating read.

On the once-a-year summer model that SHOT has followed for the past few years, most of the Newsletter was devoted to details of the upcoming fall conference and statements from candidates for the year's elections. In moving from annual to more frequent newsletters, we hope we can offer SHOT members a more varied and interesting menu, and a chance to take ownership.

Among the items it would be nice to see in the Newsletter would be:

- short reports of workshops or conferences

- announcements of workshops, conferences, or panels

- announcements of recent publications by SHOT members

- short reviews of important or interesting works

- reflections upon current events affecting history of technology

- short contributions on current challenges and opportunities affecting field (e.g. the new obstacles to maintaining H.o.T. as part of STEM teaching in the U.S.)

- tributes to deceased SHOT members or other people of importance to our field

To help us develop the kind of newsletter you want to read, in the formats that you prefer, we need your suggestions and contributions. Please send ideas for items we should include to francesca.bray@ed.ac.uk, cc: shotsec@auburn.edu

All best wishes, and see you in Singapore!

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

Secretary's Message

Greetings everyone! I trust this issue of the *SHOT Newsletter* finds you all doing well, and enjoying a calm and productive spring. I intend to keep this Secretary's Message brief and to the point, largely because much of what I might say here I've already said elsewhere in this newsletter — and in general I'm not a big fan of redundancy simply for the sake of filling editorial space. But I do have a handful of announcements that really do need to be made in this space. To wit:

2016 SHOT Elections: You will not find any information about the 2016 SHOT elections in this newsletter. Because of the timing of the Singapore meeting (early summer rather than mid-fall), we have, by way of a constitutional amendment passed at the Albuquerque meeting in 2015, split the elections for 2016 from the annual meeting itself.

In practical terms, what this means is that whereas everything else – the call for papers, prize committee deadlines, and even the timing of this newsletter – is happening three to five months earlier in 2016 than usual, the 2016 elections will occur on the usual timetable. With this in mind, *we will be announcing a slate of candidates for the 2016 elections later this spring.* Candidate bios and election materials will appear on the SHOT website at that point, and to fulfill our constitutional requirements, a special edition of the SHOT Newsletter will also be released later in the spring with candidate bios and a mail-in ballot.

The Singapore Meeting: Details and logistics regarding the Singapore meeting appear elsewhere in this newsletter, but I wanted to briefly draw your attention to a couple of things in this space. First, please be aware that although it will be quite warm and humid in Singapore during our meeting, interior spaces tend to be kept quite cool (even cold) through air conditioning. Please plan accordingly!

Second, when traveling by taxi to the conference meeting space, please be sure to tell your cab driver to take you to "UTown" – do *not* say "National University of Singapore," "NUS," or "Tembusu College." "UTown" is the most widely-known name of the venue. Also, please note that the Grand Copthorne Waterfront is on Havelock Road.

Other Announcements: First, Jonathan Coopersmith has asked me to announce that the Mercurians have awarded the Pamela Laird Research Grant to James Risk, a graduate student in the history department of the University of South Carolina, to further his research on "House Flags and Private Signals in Early American Ship to Shore Communication." Congratulations to James!

Second, Jennifer Alexander has asked me to provide a bit of detail for the lunchtime meeting organized for Friday the 24th, "Important Themes in Culture and Technology: *The Bloomsbury Cultural History of Technology* Project." This will be a conversation about identifying the most significant themes and topics in the cultural history of technology, as part of The Bloomsbury Cultural History of Technology project, a history since antiquity to be published simultaneously in six volumes. Interested chapter authors and volume editors are encouraged to attend. Please contact Jennifer Alexander (alexa056@umn.edu) for further information.

Third, I wanted to formally introduce you all to my new assistant, Matthew Henderson. Like his predecessor in this role, Cari Casteel, Matt is fully committed to helping make SHOT and its many functions work for our members. Many of you have had the opportunity to meet Matt via email during the first few months of this year, and you will have the opportunity to meet him in Singapore as well. Welcome, Matt!

Finally, I want to extend my heartfelt thanks to all of the members of the Singapore Local Arrangements Committee, without whom this meeting could never have come together at all, let alone as smoothly as it has: Gregory Clancey, Margaret (Marge) Tan, Itty Abraham, Catelijne Coopmans, Lisa Onaga, Sulfikar Amir, Hallam Stevens, Eric Kerr, John DiMoia, Jessica Ratcliff, Jerome Whitington, Sorelle Henricus, Shekhar Krishnan, Ellan Spero, and Tyson Vaughan.

I especially want to thank Greg, Marge, Lisa, Hallam, Sulfikar, Jocelyn Chan Hui Shan, Danielle Henricus, and Foo Junhong for their hospitality in welcoming me to Singapore for pre-conference planning visits in 2014 and 2015.

I hope to see you all in Singapore, 22–26 June! We are all in for a real treat!

– David Lucsko
Auburn University

PROGRAM OVERVIEW

GC: Grand Copthorne Hotel	ERC: Education Resource Centre
UTown: University Town	(at UTown, National University of Singapore)
(National University of Singapore)	CREATE: Campus for Research Excellence and
TC: Tembusu College	Technological Enterprise
(at UTown, National University of Singapore)	(at UTown, National University of Singapore)
SRC: Stephen Riady Centre	SUTD: Singapore University of Technology
(at UTown, National University of Singapore)	and Design

Tuesday, 21 June

9:00 AM – 5:00 PM	THATCamp, SUTD (busing between GC, UTown, and SUTD will be provided)
10:00 AM – 5:00 PM	Registration Desk open (TC Multi-Purpose Hall, UTown)
7:00 PM – 9:30 PM	Techno-Imaginations on Screen (Ongoing Film Screenings) (TC Learn Lobe Seminar Room 3, UTown)

Wednesday, 22 June

8:00 AM – 5:00 PM	Information Desk open (GC, lobby space by elevators)
8:00 AM – 5:00 PM	Registration Desk open (TC Multi-Purpose Hall, UTown)
9:00 AM – 4:00 PM	Executive Council Meeting (open to all) (TC Master's Common Lounge, UTown)
9:00 AM – 4:00 PM	Sky and Sea Tour (departure/return times below; register in advance — only 39 seats available) • departure from UTown: 9:00 AM • departure from GC: 9:30 AM • return to GC: 3:30 PM • return to UTown: 4:00 PM
3:30, 3:45, and 4:00 PM	buses depart from GC to UTown
5:00 PM – 6:00 PM	Opening Plenary (Bruno Latour) (SRC Auditorium 2, UTown)
6:00 PM – 8:00 PM	Opening Reception (SRC Dance Atelier 2, UTown)
7:30, 7:45, and 8:00 PM	buses depart from UTown to GC

Thursday, 23 June

7:00 AM – 9:00 AM	Breakfast at GC (individually; breakfast is included in the room price for GC guests)
8:00 AM – 9:00 AM	Graduate Student Breakfast (TC Dining Hall, UTown)
8:00 AM – 5:00 PM	Information Desk open (GC, lobby space by elevators)
8:00 AM – 5:00 PM	Registration Desk open (TC Multi-Purpose Hall, UTown)
8:30, 9:00, and 9:30 AM	buses depart from GC to UTown
10:00 AM – 11:30 AM	Session Block 1 (ERC and SRC, UTown)

PROGRAM OVERVIEW, continued

Thursday, 23 June, continued

11:30 AM – 1:00 PM	Lunch (UTown) (attendees will be on their own; there are numerous dining options at UTown)

11:30 AM – 1:00 PM	Lunch Meetings (UTown) (attendees will need to grab food and then proceed to their designated meeting space)
	 • SIG Mixer (TC Dining Hall; open to all)
	 • T&C Editorial Committee meeting
	   (TC Master's Common Lounge; by invitation only)
	 • International Scholars Lunch
	   (TC Learn Lobe Seminar Room 4; by invitation only)

11:30 AM – 1:00 PM	Lunch-Time Talk @ SMART: "How Can Engineered Systems Change Society?" (CREATE, Level 2 Theatre, UTown; limited to 40, so please register in advance)
12:30 PM – 4:30 PM	Gardens by the Bay Tour (departure/return times below; register in advance — only 39 seats available) • departure from UTown: 12:30 PM • departure from GC: 1:00 PM • return to GC: 4:00 PM • return to UTown: 4:30 PM
1:00 PM – 2:30 PM	Session Block 2 (ERC and SRC, UTown)
2:30 PM – 3:00 PM	Coffee/Tea Break (ERC, UTown)
3:00 PM – 4:30 PM	Session Block 3 (ERC and SRC, UTown)
4:30 PM – 5:00 PM	Coffee/Tea/Refreshments (ERC, UTown)
5:00 PM – 6:00 PM	2016 da Vinci Medal Plenary (SRC Auditorium 2, UTown)
6:00 PM – 8:00 PM	Curator's Tour, ArtScience Museum, Marina Bay Sands (limited to 40, so please register in advance)
6:15, 6:45, and 7:15 PM	buses depart from UTown to GC
7:00 PM – 9:00 PM	SHOT Asia Network Dinner (off-site; gather in GC lobby at 7:00 PM; register in advance)
8:00 PM – 9:00 PM	Early Career SIG (ECIG) Mixer (off-site; gather in GC lobby at 8:00 PM)
9:00 PM – 12:00 AM	Hospitality Suite (GC)

PROGRAM OVERVIEW, continued

Friday, 24 June	
7:00 AM – 9:00 AM	Breakfast at GC (individually; breakfast is included in the room price for GC guests)
8:00 AM – 9:00 AM	Graduate Student Breakfast (TC Dining Hall, UTown)
8:00 AM – 5:00 PM	Registration Desk open (TC Multi-Purpose Hall, UTown)
8:30, 9:00, and 9:30 AM	buses depart from GC to UTown
10:00 AM – 12:00 PM	Session Block 4 (ERC, SRC, and TC, UTown)
10:00 AM – 7:00 PM	Techno-Imaginations on Screen (Ongoing Film Screenings) (TC Learn Lobe Seminar Room 3, UTown)
12:00 PM – 1:30 PM	Lunch (UTown) (attendees will be on their own; there are numerous dining options at UTown)
12:00 PM – 1:30 PM	Lunch Meetings (UTown) (attendees will need to grab food and then proceed to their designated meeting space) • WITH Lunch Meeting (TC Common Lounge) • SIGCIS Lunch Meeting (TC Dining Hall) • Albatrosses Lunch Meeting (meeting location TBA) • SMiTInG Lunch Meeting (meeting location TBA)
12:00 PM – 1:30 PM	Lunch Meeting: "Important Themes in Culture and Technology: The Bloomsbury Cultural History of Technology Project" (attendees should grab lunch first, and then head to the meeting room) (TC Learn Lobe Seminar 4)
12:00 PM – 1:30 PM	Lunch-Time Talk @ Singapore-ETH Centre: "Future Cities: Five Challenges" (CREATE Level 6, Value Lab Asia, Singapore-ETH Centre, UTown; limited to 40, so please register in advance)
12:30 PM – 4:45 PM	Tiger Breweries Tour (departure / return times below; register in advance — only 39 seats available) • departure from GC: 12:30 PM • departure from UTown: 1:00 PM • return to UTown: 4:15 PM • return to GC: 4:45 PM
1:30 PM – 5:30 PM	Graduate Student Workshop (TC Learn Lobe Reading Room, UTown; register in advance)
1:30 PM – 3:00 PM	Session Block 5 (ERC and SRC, UTown)

PROGRAM OVERVIEW, continued

Friday, 24 June, continued

3:00 PM – 3:30 PM	Coffee/Tea Break (ERC, UTown
3:30 PM – 5:00 PM	Session Block 6 (ERC and SRC, UTown)
5:00 PM – 5:30 PM	Coffee/Tea/Refreshments (ERC, UTown)
5:30 PM – 6:30 PM	Keynote Address (Ruth S. Cowan) (SRC Auditorium 2, UTown)
6:45, 7:00, and 7:15 PM	buses depart from UTown to GC
7:00 PM – 9:00 PM	Early Career SIG (ECIG) Dinner Meeting (off-site; gather in GC lobby at 7:00 PM)
7:30 PM – 9:30 PM	EASTS Dinner (off-site; gather in GC lobby at 7:00 PM; open to all, but everyone pays their own way)
7:30 PM – 9:30 PM	Techno-Imaginations on Screen (Panels and Roundtable Discussion) (TC Learn Lobe Reading Room, UTown)
9:00 PM – 12:00 AM	Hospitality Suite (GC)

Saturday, 25 June

7:00 AM – 9:00 AM	Breakfast at GC (individually; breakfast is included in the room price for GC guests)
8:00 AM – 9:00 AM	Graduate Student Breakfast (TC Dining Hall, UTown)
8:00 AM – 5:00 PM	Registration Desk open (TC Multi-Purpose Hall, UTown)
8:30, 9:00, and 9:30 AM	buses depart from GC to UTown
9:00 AM – 3:15 PM	Livable City Tour (departure / return times below; register in advance — only 39 seats available) • departure from UTown: 9:00 AM • departure from GC: 9:30 AM • return to GC: 2:45 PM • return to UTown: 3:15 PM
10:00 AM – 12:00 PM	Session Block 7 (ERC and SRC, UTown)
12:00 PM – 1:30 PM	Lunch (UTown) (attendees will be on their own; there are numerous dining options at UTown)

PROGRAM OVERVIEW, continued

Saturday, 25 June, continued

12:00 PM – 1:30 PM	Lunch Meetings (UTown) (attendees will need to grab food and then proceed to their designated meeting space) • EASTS Editorial Meeting (TC Learn Lobe Reading Room; by invitation only) • Members Meeting Lunch (TC Master's Common Lounge) • EDITH Lunch Meeting (meeting location TBA) • Envirotech Lunch Meeting (meeting location TBA) • Jovians-Mercurians Lunch Meeting (location TBA)
1:30 PM – 3:30 PM	Session Block 8 (ERC and SRC, UTown)
3:30 PM – 4:00 PM	Coffee/Tea/Refreshments (ERC, UTown)
4:00 PM – 5:00 PM	Presidential Plenary (Francesca Bray) (SRC Auditorium 2, UTown)
5:00 PM – 6:00 PM	Cocktail Reception (TC Common Lounge, UTown)
6:00 PM – 9:00 PM	Awards Banquet (TC Dining Hall, UTown)
8:00, 8:30, and 9:00 PM	buses depart from UTown to GC
9:00 PM – 12:00 AM	Hospitality Suite (GC)

Sunday, 26 June

7:00 AM – 9:00 AM	Breakfast at GC (individually; breakfast is included in the room price for GC guests)
8:00, 8:15, and 8:30 AM	buses depart from GC to UTown
9:00 AM – 10:30 AM	All-SIG Plenary (SRC NAK Auditorium, UTown)
8:45 AM – 3:30 PM	Water Technology Tour (departure / return times below; register in advance — only 39 seats available) • departure from UTown: 9:00 AM • departure from GC: 9:30 AM • return to GC: 3:00 PM • return to UTown: 3:30 PM
11:00 AM – 5:00 PM	SIGCIS Meeting (ERC Seminar 2 and ERC Seminar 3, UTown; lunch mid-day in the UTown food court)
11:00 AM – 1:00 PM	EDITH Meeting (ERC Seminar 4, UTown)
11:00 AM – 1:00 PM	Prometheans Meeting (ERC Global Learning, UTown)
11:00 AM – 1:00 PM	WITH Meeting (ERC Seminar 8, UTown)
11:00 AM – 1:00 PM	Albatrosses Meeting (ERC Active Learning, UTown)
2:00 PM – 5:00 PM	Prometheans–WITH Joint Meeting (ERC Global Learning, UTown)
5:00 PM and 5:30 PM	buses depart from UTown to GC

EVENTS AT THE ANNUAL MEETING

We will be meeting at the UTown campus of the National University of Singapore (NUS). UTown is home to Tembusu College at NUS, our primary local host. Our conference hotel is the Grand Copthorne Waterfront, located several miles to the East of UTown, close to Singapore's downtown core. **Breakfast** will be provided to all Grand Copthorne guests at the hotel's restaurant (graduate students and scholars from non-OECD countries who are staying in the Tembusu College dorm rooms will also be provided breakfast every morning in the dining hall at Tembusu College). **Shuttle buses** will also be provided to all Grand Copthorne guests to take them from the hotel to UTown in the mornings, and from UTown back to the hotel in the evenings. SHOT's **Hospitality Suite** will be hosted at the Grand Copthorne on Thursday, Friday, and Saturday evenings from 9:00 pm to 12:00 midnight.

All **meeting sessions, panels, plenaries, and SIG and other activities** will take place at UTown. Conference attendees will be on their own for lunch at UTown; in addition to an excellent food court, there are also a couple of fast-food joints and a very nice Italian restaurant on the UTown campus.

Executive Council Meeting
The Executive Council will meet from 9:00 AM–4:00 PM on **Wednesday.** The meeting will be held at UTown. All members are welcome to sit in on all or part of this meeting.

Graduate Student Workshop
A graduate student workshop will be held at UTown from 1:30 PM–5:30 PM on **Friday.** A list of workshop participants is included with the preliminary program found in this newsletter.

Opening Plenary and Reception
Our meeting officially begins with a plenary session on **Wednesday** evening at 5:00 PM at UTown, followed by a reception at UTown from 6:00–8:00 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. This year, graduate students and scholars from non-OECD countries who are staying at the dorm rooms at Tembusu College will have the opportunity to breakfast together on Thursday, Friday, and Saturday. Graduate students who are staying at the Grand Copthorne are welcome to attend these Tembusu College breakfasts, but please bear in mind that the shuttle buses between the Copthorne and UTown run *after* breakfast, not before, so you will need to arrange your own transportation. Please contact the SHOT Secretary's office (shotsec@auburn.edu) if you have any questions about this.

International Scholars Lunch
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 mealtime meeting for them each year. This year's event will be a lunch, held on **Thursday** at 11:30 AM at UTown. If you are a new or former International Scholar (or a member of the Internationalization Committee), please let Dagmar Schaefer (dschaefer@mpiwg-berlin.mpg.de) know by **15 May** 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 12:00 PM at UTown. In addition, all members are welcome to sit in on the Executive Council session scheduled for 9:00 AM–4:00 PM on Wednesday.

EVENTS AT THE ANNUAL MEETING,
continued

Cocktail Reception and Awards Banquet

Our annual cocktail reception will commence on **Saturday** at 5:00 PM at UTown, in the Tembusu College Common Lounge, followed by the Annual Awards Banquet at 7:00 PM in the Tembusu College Dining Hall. 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 the SHOT Secretary at shotsec@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 Singapore, advertise in the printed SHOT conference program, or provide inserts for the conference registration packet. For more information about any of these services, please contact Jane Carlson at shotmtg@auburn.edu.

Audio-Visual Equipment

At UTown, 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! Also, for those traveling to Singapore from other parts of the globe, be sure to bring a power adapter for when you need a charge.

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

http://www.historyoftechnology.org/features/annual_meeting/index.html and at http://www.shot2016.org

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. All payments will be in US$.

> **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 register using the mail-in paper form included with this newsletter. If you do not wish to use the mail-in form and you are unable or unwilling to register online, please contact SHOT Secretary Dave Lucsko at shotsec@auburn.edu to arrange for on-site payment.

If you decide to register using the paper form included with this newsletter, 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. When using the paper form, you can pay by credit card or by a check (in US$) made payable to the Society for the History of Technology. Please note that **we cannot process paper registrations that are scanned and sent to us by email;** instead you must physically mail the form to the SHOT Secretary at the address indicated. This is to protect your credit card details from being intercepted on the Internet.

If you choose to pay on-site, please note that payment must be made either via credit card or in cash (US$). Also, please note that on-site payments will be subject to a US$50 fee on top of your registration total. For more information about the three payment options for this conference—online, on-site, and mail-in—please consult the paper registration form in this newsletter, or contact the SHOT Secretary at shotsec@auburn.edu.

The deadline for paper (mail-in) registration is **15 May 2016.** The deadline for online registration is **31 May 2016.** On-site registration will be open **21–25 June 2016,** and will be handled at the registration desk at UTown. Those paying in advance (via paper or online) will receive an email confirmation from the SHOT office as well as a printed receipt (available when you collect your conference packet in Singapore).

SPECIAL INTEREST GROUP (SIG) EVENTS IN SINGAPORE

In conjunction with the heads of all the SIGs, Atsushi Akera has organized two all-SIG events for Singapore. The first will be a lunch-time mixer on **Thursday** in the Tembusu College Dining Hall at UTown from 11:30 AM–1:00 PM. There will be no charge for this event, but please indicate on your registration form if you wish to attend. Also, please note that attendees will be on their own for lunch, and are therefore advised to grab their food first, then head to the Dining Hall for the mixer. The second all-SIG event will be a special plenary session at UTown from 9:00 AM–10:30 AM on **Sunday**, for US$5.

The **Albatrosses,** whose interests cover all things related to aviation and aerospace, will gather over lunch on **Friday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. The Albatrosses are also organizing a workshop at UTown on **Sunday** from 11:00 AM–1:00 PM, for US$5. If you have any questions about the Albatrosses, please send a short email to Angelina Callahan (angelinalcallahan@gmail.com) or Mike Neufeld (NeufeldM@si.edu).

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 Singapore, network members will have a meeting over dinner on **Thursday** at 7:00 PM. Attendees will gather in the lobby of the Grand Copthorne at 7:00 PM and then head to a nearby restaurant for dinner. For more information on the SHOT Asia Network, visit http://groups.google.com/group/SHOTsigAsia or contact Honghong Tinn at hhtinn@gmail.com.

The SIG on **Computers, Information and Society** (SIGCIS) will gather over lunch on **Friday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. SIGCIS is also organizing a workshop at UTown on **Sunday** from 11:00 AM–5:00 PM, for US$10 (lunch, at the UTown food court, will be extra). For more details about this workshop, please 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.

EDITH (Exploring Diversity in Technology's History) supports both scholars and scholarship currently under-represented in the history of technology and SHOT. In Singapore, the group will meet over lunch on **Saturday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. EDITH is also organizing a workshop at UTown on **Sunday** from 11:00 AM–1:00 PM, for US$5. 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 gather over lunch on **Friday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. On **Sunday,** WITH will host a workshop at UTown from 11:00 AM–1:00 PM, for US$5, followed by a joint workshop with the Prometheans at UTown from 2:00 PM–5:00 PM, also for US$5. Please indicate on your registration form if you are planning to attend either Sunday event. For more information about WITH, please contact Arwen Mohun (mohun@udel.edu).

Envirotech will meet over lunch on **Saturday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. For more information about Envirotech, please contact Mitch Aso (mitchaso@gmail.com).

The **Jovians** (electrical history) and the **Mercurians** (communications) will hold their traditional joint lunch-time meeting on **Saturday** at 12:00 PM. Those who wish to attend should grab their food first, then meet up with the group in the food court.

SPECIAL INTEREST GROUP (SIG) EVENTS IN SINGAPORE, continued

The **Prometheans** (SHOT's Engineering SIG) will host a workshop session at UTown on **Sunday** from 11:00 AM to 1:00 PM, for US$5, followed by a joint workshop with WITH at UTown from 2:00 PM–5:00 PM, also for US$5. Please indicate on your registration form if you are planning to attend either Sunday event. For further information on the Prometheans, please email Ann Johnson (aj532@cornell.edu).

SMiTInG, the SHOT Military Technology Interest Group, meet over lunch on **Friday** at 12:00 PM in the UTown food court. Those who wish to attend should grab their food first, then meet up with the group in the food court. For more information, please contact Bart Hacker (hackerb@si.edu).

ECIG, SHOT's new **Early Career SIG,** will gather for a mixer on **Thursday** evening from 8:00 Pm–9:00 PM. Attendees will gather in the lobby of the Grand Copthorne at 8:00 and then head to a nearby venue for the event. ECIG will also gather for a dinner meeting on Friday evening from 7:00 PM–9:00 PM. Attendees will gather in the lobby of the Grand Copthorne at 7:00 and then head to a nearby restaurant. For more information about ECIG, please contact Alice Clifton (alice.clifton@gatech.edu).

PRELIMINARY PROGRAM

(The scheduling information in this preliminary program is current as of 15 March 2016, but it is subject to change at any time. For the most up-to-date information, please visit SHOT's Singapore meeting pages at http://shot2016.org.)

(The information on Robinson Prize Candidates in this preliminary program is also current as of 15 March 2016. 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

Wednesday, 22 June • 5:00 PM–8:00 PM

Opening Plenary and Reception (plenary: 5:00–6:00 PM) (reception: 6:00–8:00 PM)

Speaker: **Bruno Latour** (Sciences Po, France)

Discussion: **By the Audience**

Thursday, 23 June • 10:00 AM–11:30 AM

Infrastructures of Risk and Disaster (Part I)

Organizers: **Yeonsil Kang** (Korea Advanced Institute of Science and Technology, South Korea) and **Scott Gabriel Knowles** (Drexel University, United States)

Comment: **Kim Fortun** (Rensselaer Polytechnic Institute, United States), **Scott Gabriel Knowles** (Drexel University, United States), and **Lee Vinsel** (Stevens Institute of Technology, United States)

Debjani Bhattacharyya (Drexel University, United States) **[Robinson Prize Candidate]**: Manufactured Landscape: Law and Hydraulics in the Ganga-Brahmaputra Delta

Ashley Carse (Vanderbilt University, United States) **[Robinson Prize Candidate]**: Drought in the Rainforest: Ships, Cities, and the Slow Disaster of Water Scarcity in Panama

Takehiko Hashimoto (University of Tokyo, Japan): Making Fire Resistant Infrastructure in Prewar and Postwar Japanese Cities

Jennifer Henderson (Virginia Tech, United States) **[Robinson Prize Candidate]**: Invisible Infrastructures: The Weather Warning Process in the United States

Understanding Innovation across Cultures and Technologies I: Narratives of Innovation in Eastern Europe, Japan, and the United States

Organizers: **Wiebe Bijker** (Maastricht University, Netherlands), **Lars Heide** (Copenhagen Business School, Denmark), and **Annapurna Mamidipudi** (Maastricht University, Netherlands)

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

Comment: **Annapurna Mamidipudi** (Maastricht University, Netherlands)

Valentina Fava (Technische Universität Berlin, Germany): History Matters: Tradition and Innovation in the Modernization of the Soviet and Czechoslovak Automobile Industry

Osamu Kamei (National Museum of Nature and Science, Japan): History of Japanese Petrochemistry Technology Development: From the Systematization of Technologies of NMNS

Lars Heide (Copenhagen Business School, Denmark): Dynamics of Innovation in Success and Limits to IBM Mainframe Computers

PRELIMINARY PROGRAM, continued

Practitioner's Roundtable: Challenges and Opportunities for Working at the Intersections of Technology, Gender Equality, and Youth Empowerment in the 21st Century

Sponsor: **Tembusu College**

Organizers and chairs: **Lisa Onaga** (Nanyang Technological University, Singapore) and
Sierin Lim (Nanyang Technological University, Singapore)

Lisa Onaga (Nanyang Technological University, Singapore)

Sierin Lim (Nanyang Technological University, Singapore)

Pia Bruce (Singapore Committee for UN Women, Singapore)

Isaac Kerlow (Nanyang Technological University, Singapore)

Ordering the Ethnic Minorities in the Southwest of China: Technology of Communication, Herb, and Race Taxonomy

Organizer: **Dong Yuyu** (Shanghai Jiao Tong University, China)

Chair and comment: **Niu Weixing** (Shanghai Jiao Tong University, China)

Dong Yuyu (Shanghai Jiao Tong University, China): New Communication Technology of Telephone and Telegram among the Tibetans of Sichuan in the Early Twentieth Century: Political Control and Social Impact

Zhu Jing (University of Edinburgh, United Kingdom): Conceptualizing an Ethnographic Body: Technology of Body Measuring and Observation in the Southwest of China in the First Half of the Twentieth Century

Hu Su (University of Edinburgh, United Kingdom): Producing Knowledges about a Herbal Medicine: The Caterpillar Fungus

Animals and Technology: In the Sea

Organizer: **Dolly Jørgensen** (Luleå University of Technology, Sweden)

Chair: **Sverker Sörlin** (Royal Institute of Technology, Sweden)

Dolly Jørgensen (Luleå University of Technology, Sweden): Peering beneath the Surface: Technologies of Seeing Underwater Life in Public Aquariums, 1853–2015

Chein Kragen (University of Edinburgh, United Kingdom): Extending Laboratory Work into the Sea: A Study on Technology of Milkfish Artificial Propagation in Taiwan

Delfinn Tann (Nanyang Technological University, Singapore) **[Robinson Prize Candidate]:** Development of Technology in an Ornamental Fish Farm of Singapore due to Government Pressure

Cinema and the History of Technology in Korea in the 1960s and 1970s

Organizer: **Sungook Hong** (Seoul National University, South Korea)

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

Sungook Hong (Seoul National University, South Korea): Six Daughters and the Changing Technoscape of Korea in the late 1960s

Taehun Lim (Chosun University, South Korea): Cultural Films and the Political Propaganda of Mechanical Symbols during the Park Chung Hee Era

Young June Lee (Kaywon University of Art and Design, South Korea): The Red Scarf and the Synchrony of Speed in Modern War Machine

PRELIMINARY PROGRAM, continued

Technology Rules

Chair and comment: **David Burke** (Auburn University at Montgomery, United States)

Joseph P. Lupton (Georgia Institute of Technology, United States): Unintended Consequences: E.U. and U.S. Regulation for Sustainable Sourcing and Its Impact on the Vietnam Furniture Industry and Lumber Sourcing in Asia

Arthur Daemmrich (Smithsonian Institution, United States): Innovation by Regulatory Design: Incentives versus Mandates for Green Chemistry

David Mercer (University of Wollongong, Australia): Standards, "Smoking Guns," and "Sustainable Uncertainty": The Politics of Scientific Uncertainty in the History of Standard Setting for Electric and Magnetic Fields (EMF)

National Objects

Chair and comment: **Stuart W. Leslie** (Johns Hopkins University, United States)

Saara Matala (Aalto University, Finland) and **Aaro Sahari** (University of Helsinki, Finland): Small Nation and Big Ships: Finnish Icebreakers and Technological Nation Building, 1877–1977

George Wilkenfeld (Independent Scholar, Australia): The Stobie Pole: An Unlikely Cultural Artifact of North and South, East and West

Crystal Abidin (University of Western Australia) and **Connor Graham** (National University of Singapore): History of the Digital Camera in Singapore, 1994–2006

What Goes Up Must Come Down

Chair and comment: **Jeff Schramm** (Missouri University of Science and Technology, United States)

Leigh Edmonds (Federation University Australia): You Make Them, We Buy and Fly Them: The Experience of Flying Foreign Airliners in Australia in the 1930s

F. Robert van der Linden (Smithsonian Institution, United States): Revolutions in the Sky: Reinventing Flight—A New Exhibit at the National Air and Space Museum

Peter Hobbins (University of Sydney, Australia): The Moment of Impact: The Accidental Airspace of Aircraft Crashes

Hydraulic Technologies in the Premodern World: East and West

Organizer: **Pamela O. Long** (Independent Scholar, United States)

Chair and comment: **Dagmar Schäfer** (Max Planck Institute for the History of Science, Germany)

Ling Zhang (Boston College, United States): Dyking or Diverting, Blocking or Channeling: Yellow River Hydraulics in Northern-Song and Jin China, 960–1234 CE

Adam Lucas (University of Wollongong, Australia): Water Rights and the Law of Nuisance in Post-Conquest England: Milling, Fishing, and Navigation

Pamela O. Long (Independent Scholar, United States): Hydraulic Engineering in Late Sixteenth Century Rome

Philip C. Brown (The Ohio State University, United States): Dike, Dam, Drain, or Polder? Water Engineering in Early Modern Japan

PRELIMINARY PROGRAM, continued

Beyond Brain Drain, Brain Gain: Locating Western-Educated Asian Engineers

Organizers: **Ross Bassett** (North Carolina State University, United States) and **Hyungsub Choi** (Seoul National University of Science and Technology, South Korea)

Chair and comment: **Dong-Won Kim** (Harvard University, United States)

Ross Bassett (North Carolina State University, United States): Tradition and Modernity: Indian Business Families and MIT, 1922–1973

Hyungsub Choi (Seoul National University of Science and Technology, South Korea): The "Minnesota Project" and the (Re)construction of Engineering in South Korea, 1955–1962

Anto Mohsin (Northwestern University in Qatar): Adding Value or Proving One's Self? B. J. Habibie and Indonesian Engineers Trained Overseas

Thursday, 23 June • 1:00 PM–2:30 PM

10 Years of EASTS: Thinking with Regions in STS

Organizer: **Wen-Hua Kuo** (National Yang-Ming University, Taiwan)

Comment: **Sungook Hong** (Seoul National University, South Korea)

Sulfikar Amir (Nanyang Technological University, Singapore): STS in the Archipelago: Knowledge and Transformation in Indonesia

Togo Tsukahara (Kobe University, Japan): Shall We Never Bring Up the History of Colonial Science/Technology Again? Japanese Colonial Science/Technology and the Problems of Its Historiography

Hyungsub Choi (Seoul National University of Science and Technology, South Korea): The Social Construction of Imported Technologies: Reflections on the Social History of Technology in Modern Korea

Wen-Hua Kuo (National Yang-Ming University, Taiwan): Tracing Living Traditions: Asian Medicines and Their Paths toward Modernization

Izumi Nakayama (Hong Kong University, Hong Kong): Between the Breast and the Bottle: Exploring the Politics of Gender, Motherhood, and Technology in East Asia

Understanding Innovation across Cultures and Technologies II: Social Embedding of Innovation—Women, Labor, Industry

Organizers: **Wiebe Bijker** (Maastricht University, Netherlands), **Lars Heide** (Copenhagen Business School, Denmark), and **Annapurna Mamidipudi** (Maastricht University, Netherlands)

Chair: **Annapurna Mamidipudi** (Maastricht University, Netherlands)

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

B. Zorina Khan (Bowdoin College, United States): Women and Technology in Britain, France, and the United States: Evidence from 19th-Century Patents and Industrial Prizes

Jongmin Lee (University of Virginia, United States): Empowering and Poisoning: Viscose Rayon's Journey across the Pacific

Ling-Fei Lin (Nanyang Technological University, Singapore): The (Social) Shifting Effect of Innovation in the Laptop Industry: Whose Innovation, Whose Cost, and Whose Benefit?

PRELIMINARY PROGRAM, continued

Undercurrents: Personal (and Tacit) Knowledge in Technology Studies

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

Chair and comment:　　**Jennifer Alexander** (University of Minnesota, United States)

Monique Dufour (Virginia Tech, United States): The Embodied Reader

Yulia Frumer (Johns Hopkins University, United States): Technological Encounters as Prisms into Undercurrents of Personal Knowledge

Lee Vinsel (Stevens Institute of Technology, United States): Habits, Experiences, and Dispositions in the Study of Regulation and Technological Change

Sound Recording and Surveillance

Organizer, chair, and
comment:　　　　　　　　**Mara Mills** (New York University, United States)

Joeri Bruyninckx (Maastricht University, Netherlands): Testing Animal Hearing: Sound Technologies as Hearing Aids in Twentieth-Century Bioacoustics

Jennifer Hsieh (Stanford University, United States): Selective Hearing: Decibel Meters in Taiwan's Noise Control System

Eun-Sung Kim (Kyung Hee University, South Korea): The Technical Surveillance of Social Movement: Comparing the Sensory Power of Cameras and Noise-Meters for Protest Control in Korea

Systems Thinking: Complexity and Simplification when "Making Things Work" (Part I)

Organizer:　　　　　　　　**Dagmar Schäfer** (Max Planck Institute for the History of Science, Germany)

Chair and comment:　　**Hunter Heyck** (University of Oklahoma, United States)

Fan Fa-ti (State University of New York at Binghamton, United States): Thinking Networks, Sensing Disasters: Earthquake Prediction in Socialist China

Edward Jones-Imhotep (York University, Canada): The Dangers of Systems: Victorian Railways and the Rise of the Technological Accident

Carsten Reinharth (Chemical Heritage Foundation, United States, and Bielefeld University, Germany): Research Methods and Science Policy in Late-twentieth Century United States

Experts in Transitions: Self-Images, Political Agency, and State Power in the Global Professionalization of Engineers, 1850 to 1940

Organizers:　　　　　　　　**Adelheid Voskuhl** (University of Pennsylvania, United States) and **Aleksandra Kobiljski**
　　　　　　　　　　　　　　(National Center for Scientific Research, France)

Chair:　　　　　　　　　　**Tatsushi Fujihara** (Kyoto University, Japan)

Aleksandra Kobiljski (National Center for Scientific Research, France): The 1929 World Engineering Congress in Tokyo and the Reconfigurations of the Engineering Profession in Modern Japan

Adelheid Voskuhl (University of Pennsylvania, United States): Engineers' Identities in Post-Bourgeois and Post-Revolutionary Environments: Germany and the U.S., 1900 to 1933

Asif Siddiqi (Fordham University, United States): Feeding the Gulag: Soviet Engineers and Stalinist Terror

PRELIMINARY PROGRAM, continued

The History of Technology in the Disciplinary System

Sponsor: **Asia Research Institute**

Organizer: **Yao Dazhi** (Institute for the History of Natural Science, China)

Chair and comment: **Ronald R. Kline** (Cornell University, United States)

Fang Yibing (Chinese Academy of Sciences, China), The Difficult Marriage of Industrial Archeology and the History of Technology: Towards a More Progressive Union in China

Dolly Jørgensen (Luleå University of Technology, Sweden), The History of Technology and Living Things

Zhihui Zhang (Chinese Academy of Sciences, China), The Rise of Engineering Studies in China, or A Fragmentation of Chinese History of Science and Technology?

Bradley Fidler (University of California, Los Angeles, USA), The History of Technology in a Shifting Geopolitical Economy

Waste and Recycling during WWII: A Transnational Perspective on Waste Flows in Times of Total War and Occupation

Organizer: **Heike Weber** (Bergische Universität Wuppertal, Germany)

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

Comment: **Tetsuji Okazaki** (University of Tokyo, Japan)

Heike Weber (Bergische Universität Wuppertal, Germany): Scope and Impact of the Nazi "Recycling Regime"

Chad Denton (Yonsei University, South Korea): Salvage as National Spiritual Mobilization: Imitating the Germans in Wartime Japan, 1937–1945

Paul Kreitman (University of London, United Kingdom): Attacked by Excrement: The Political Ecology of Night Soil in Wartime and Postwar Tokyo

Technology, Modernity, and Empire: Technological Innovations and American Colonial Rule in Early 20th Century Philippines

Organizer: **Aaron Abel T. Mallari** (University of the Philippines)

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

Kerby C. Alvarez (University of the Philippines): Barometers and the Empire: Weather Instruments and the Philippine Weather Bureau, ca. 20th Century

Nicolo Paolo P. Ludovice (Ateneo de Manila University, Philippines): The War Against Carabaos: Social Responses to Tractors, Threshers, and Plowing Machines in the Philippines, 1890–1941

Aaron Abel T. Mallari (University of the Philippines): The Electric Chair, Penology, and the American Colonial Regime in the Early 20th Century Philippines

PRELIMINARY PROGRAM, continued

Craft in the Face of Modernity

Chair: **Harro Maat** (Wageningen University, Netherlands)

Achintya Kumar Dutta (University of Burdwan, India): Engaging with Indigenous Technology in the Metal Craft of Rahr Bengal during Colonial Rule

Ana Duarte Rodrigues (University of Lisbon, Portugal): Traditional Irrigation Systems in the Southern Iberian Peninsula: A Key for Sustainability

Angelica Agredo (King's College London, United Kingdom) **[Robinson Prize Candidate]:** "Concrete roads and the bullock cart": Roads and Road Transport in India during the Interwar Years

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

Thursday, 23 June • 3:00 PM–4:30 PM

Systems Thinking: Complexity and Simplification when "Making Things Work" (Part II)

Organizer: **Dagmar Schäfer** (Max Planck Institute for the History of Science, Germany)

Chair and comment: **Hunter Heyck** (University of Oklahoma, United States)

Dagmar Schäfer (Max Planck Institute for the History of Science, Germany): Controlling Degrees: Work (gongzuo) in Qiu Jun's (1421–1495) *Statecraft Guide*

Matteo Valleriani (Max Planck Institute for the History of Science, Germany): The Systematization of Knowledge at Pope's Will: The Medieval Liturgic Calendar

Dagmar Wujastyk (University of Alberta, Canada, and University of Vienna, Austria): From Herbal-Based Medicine to Iatrochemistry: System Changes in Classical Indian Medicine

Technology and Knowledge

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

Simon Dumas Primbault (European University Institute, Italy) **[Robinson Prize Candidate]:** An Anthropological Glance at the Writing and Conservation of Mechanical Research Notebooks in Late Seventeenth-Century Italy

Lif Lund Jacobsen (Danish National Archives, Denmark): Discovering the Earth's Inner Core: Instrumentalization, Scientific Networks, and Tacit Knowledge in 1930s European Seismological Research

Egle Rindzeviciute (Kingston University, United Kingdom): From Nuclear Winter to the Anthropocene: Government through a Virtual Milieu

Making Modernity: Technology in Regional History

Organizers: **Erik van der Vleuten** (Eindhoven University of Technology, Netherlands) and **Francesca Bray** (University of Edinburgh, United Kingdom)

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

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

Angela Leung (University of Hong Kong)

Gonçalo Santos (University of Hong Kong)

Ruth Oldenziel (Eindhoven University of Technology, Netherlands)

Helmuth Trischler (Deutsches Museum, Germany)

Nina Wormbs (Royal Institute of Technology, Sweden)

PRELIMINARY PROGRAM, continued

Philosophical Anthropology and Histories of Technology: Philosophical Provocations

Organizer and chair: **Carl Mitcham** (Colorado School of Mines, United States)

Carl Mitcham (Colorado School of Mines, United States): Introduction—Relationships between Philosophical Anthropology and History of Technology

Jing Di (Renmin University of China): Presentation—José Ortega y Gasset: Existentialist Anthropology and the Periodization of Technology

Huang Xiaowei (Tsinghua University, China) and **Li Tong** (Renmin University of China): Presentation— Li Zehou: Toward an Aesthetic Anthropological Perspective on Technological Progress

Xue Guibo (Nanjing Forestry University, China): Comment—Environmental Ethics, Anthropology, and the History of Technology

Yao Dazhi (Chinese Academy of Sciences, China): Comment— Chinese Technology in Bertrand Gille's Histoire des Techniques: History and Anthropology

Li Sanhu (Guangzhou Academy of Governance, China): Comment— Engineering Studies Perspective on Anthropology and History of Technology

Accidents and Disasters

Chair and comment: **Itty Abraham** (National University of Singapore)

Karampatsos Christos (University of Athens, Greece): Efrosiini Crossing Syngrou Avenue: Automobile Accidents and the Introduction of the Automobile in Greece (1900–1911)

Johannes-Geert Hagmann (Deutsches Museum, Germany): The 1923 Great Kantō Earthquake and the Construction of Self-Image of Japanese Science and Engineering in the Interwar Period

Alexis Rider (University of Pennsylvania, United States) **[Robinson Prize Candidate]:** A Mine Fire and Meaning: Beyond Envirotechnical Systems

Food Technology under Cultural Changes in the East and West

Organizer and chair: **Tae-Ho Kim** (Hanyang University, South Korea)

Comment: **Tatsushi Fujihara** (Kyoto University, Japan)

Seung-joon Lee (National University of Singapore): Industrializing Diet: Food Technology and China's Total War

Xaq Frohlich (Korea Advanced Institute of Science and Technology, South Korea): The Informational Turn in Food Politics: The U.S. FDA's Nutrition Label as "Information Infrastructure"

Tae-Ho Kim (Hanyang University, South Korea): Searching for "a Refrigerator for Koreans": The Invention of Kimchi Refrigerator in South Korea in the 1990s

PRELIMINARY PROGRAM, continued

Understanding Innovation across Cultures and Technologies III: The Crafting of Innovation in Africa, India, and Japan

Organizers: **Wiebe Bijker** (Maastricht University, Netherlands), **Lars Heide** (Copenhagen Business School, Denmark), and **Annapurna Mamidipudi** (Maastricht University, Netherlands)

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

Comment: **Wiebe Bijker** (Maastricht University, Netherlands)

Frank Edward (Technische Universität Darmstadt, Germany): Drainage Infrastructures in Dar es Salaam, Tanzania, 1891–1960: When Technological Innovation and Health Intersect

Annapurna Mamidipudi (Maastricht University, Netherlands): Crafting Innovations for Sustainability: Learning from the Handloom Textile Weavers of South India

Nobumichi Ariga (National Museum of Nature and Science, Japan): Conceptualizing the Innovation in Government White Papers: Japanese "Gijutsu-Kakushin" (Technological Innovation) in the Postwar Period

Nature, Technology, and Development: Biofacts in Engineered Environments

Organizers: **Lukas Breitwieser** (Technische Universität München, Germany) and **Franziska Torma** (Technische Universität München, Germany)

Chair: **Karin Zachmann** (Technische Universität München, Germany)

Comment: **Tiago Saraiva** (Drexel University, United States)

Suzana Alpsancar (Technische Universität Braunschweig, Germany): The Virtualization of Plant Collections and How It Affects the Naturalness and Technicity of the Collected Objects (Biofacts)

Eda Kranakis (University of Ottawa, Canada): Patents in the Making of Monsanto's Biotechnology Empire: The Case of Roundup Ready® Crops in Canada and Argentina

Lukas Breitwieser (Technische Universität München, Germany): Biofacts of the Atomic Age: Radiant Developments in Ghana's Agriculture

Franziska Torma (Technische Universität München, Germany): Provincializing Hybrid Corn? Reconstruction, Technical Assistance, and West German Agriculture

Reconsidering Technical History of Technology

Organizer: **Chen-Pang Yeang** (University of Toronto, Canada)

Chair and comment: **Kenji Ito** (Graduate University for Advanced Studies, Japan)

Shaul Katzir (Tel Aviv University, Israel): The Technical Resistance to AT&T's Monopoly on the Quartz Clock

Takashi Nishiyama (State University of New York, Brockport, United States): Technical History of Technology: Aerodynamics for War and Peace in Japan, 1932–64

Chen-Pang Yeang (University of Toronto, Canada): Emergence of Informational Noise: Technology, Uncertainty, and an Alternative Origin Story of Information Science

PRELIMINARY PROGRAM, continued

Technology in China across the Ages

Chair and comment: **Fan Fa-ti** (State University of New York at Binghamton, United States)

Chen Wei (Chinese Academy of Sciences, China): The Different Description Base on the Common Inclination: The Investigation of the Traction System of Chinese Chariots from J. Needham and Chinese Scholars

Jiren Feng (University of Hawaii at Hilo, United States): Intertwined Cultures in the Qing-Dynasty Architectural Terminology: The Building Knowledge Presented in the *Gongcheng Zuofa* (Construction Methods, 1734)

Jianjun Mei (Needham Research Institute, United Kingdom): Some Thoughts on Needham's Intellectual Heritage

Comparative History of Communications Technologies

Chair and comment: **Graeme Gooday** (University of Leeds, United Kingdom)

Adrian James Kirwan (Maynooth University, Ireland) **[Robinson Prize Candidate]:** Developing Telephony at the Edge of the United Kingdom: The Telephone Company of Ireland, 1878–1893

Mark J. Crowley (Wuhan University, China): Technological Change and Post Office Communications, 1918–1945

Kathryn Holliday (University of Texas at Arlington, United States): The Windowless Technological Box: The Beginnings of the Invisible Telecommunications Network

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Friday, 24 June • 10:00 AM–12:00 PM

From Mechanical Arts to Present Maker Movements: Forgotten Genealogies of Art, Technology, and Science

In cooperation with: **ArtScience Museum, Singapore**

Organizer: **Denisa Kera** (National University of Singapore)

Kaitlyn Marie Braybrooke (University of Sussex, United Kingdom) and **Sally Jane Norman** (University of Sussex, United Kingdom): Technologies and Performative Play: Re-Creation and Subversion of Institutionalized Cultures / Cultural Institutions

Denisa Kera (National University of Singapore) and **Markéta Dolejšová** (National University of Singapore): Prototypes of Science Instruments in Renaissance Science and Present DIYbio— Integrating Technology, Arts, and Crafts

Emile Devereaux (University of Sussex, United Kingdom): Participatory Cartography in Design Anthropology: Maps and Media for Speculative Futures

Kate O'Riordan (University of Sussex, United Kingdom): Fabulation and Fabrication: Biosensors, Experience, and Materialisms

Jennifer Parker (University of California, Santa Cruz, United States): Enacting Digital Art and Civic Opportunities: Data as Material for Action

PRELIMINARY PROGRAM, continued

International Perspectives on the History of Gender and Technology

Co-Sponsors: **The Berkshire Conference of Women Historians** and **The Society for the History of Technology**

Organizers: **Susan Yohn** (Hofstra University, United States) and **Emily K. Gibson** (Georgia Institute of Technology, United States)

Chair: **Arwen P. Mohun** (University of Delaware, United States)

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

Margaret Vining (Smithsonian Institution, United States) and **Barton C. Hacker** (Smithsonian Institution, United States): Bridging the Ocean: Technology and Nineteenth-Century Women's Transatlantic Activism

Sujin Lee (Cornell University, United States): Birth Strike: Yamakawa Kikue's Socialist Feminist Critique of Sex and Class

Laura Bier (Georgia Institute of Technology, United States): The Pleasures of Domesticity: Household Appliance Advertisements, Gender, and the Democratization of Well Being in Nasser's Egypt

Emily K. Gibson (Georgia Institute of Technology, United States): "L'art de faire un bon voyage": Air France's Hôtesses de l'Air and the Domestication of Flight and Travel within the Declining French Empire, 1946–1960

Roundtable: Craft and Art in Innovation, and Innovation in the Arts and Crafts—Exploring New Engagements for the History of Technology

Organizers: **Annapurna Mamidipudi** (Maastricht University, Netherlands) and **Wiebe Bijker** (Maastricht University, Netherlands)

Panelists:

Annapurna Mamidipudi (Maastricht University, Netherlands)

Sushruti Santhanam (Savitribai Phule Pune University, India)

Pamela O. Long (Independent Scholar, United States)

Pamela Smith (Columbia University, United States)

Uzramma (Independent Scholar, India)

John Bosco Lourdusamy (Indian Institute of Technology Madras, India)

Francesca Bray (University of Edinburgh, United Kingdom)

Technology for City, City for Technology

Organizer: **Buhm Soon Park** (Korea Advanced Institute of Science and Technology, South Korea)

Chair and comment: **Takehiko Hashimoto** (University of Tokyo, Japan)

Stuart W. Leslie (Johns Hopkins University, United States) and **Yin Hang Phoebe Tang** (Johns Hopkins University, United States): Staking a Claim to Biotech: Singapore and San Diego's Science Cities

Robert Cowley (King's College London, United Kingdom): Science Fiction and the Smart-Eco City

Buhm Soon Park (Korea Advanced Institute of Science and Technology, South Korea), **Youjung Shin** (Korea Advanced Institute of Science and Technology, South Korea), and **Taemin Woo** (Korea Advanced Institute of Science and Technology, South Korea): A Political Life of "Galaxy City": Science Policy, City Planning, and Two Presidential Elections

Simon Joss (University of Westminster, United Kingdom), **Robert Kargon** (Johns Hopkins University, United States), and **Arthur Molella** (Smithsonian Institution, United States): "Smart City": Tracing the Historical Roots of the Contemporary Paradigm of Urban Technology

PRELIMINARY PROGRAM, continued

Presidential Roundtable: Rethinking Society for the 21st Century

Organizers:	**Johan Schot** (University of Sussex, United Kingdom) and **Suzanne Moon** (University of Oklahoma, United States)
	Francesca Bray (University of Edinburgh, United Kingdom)
Chair:	**Bruce Seely** (Michigan Technological University, United States)

Panelists:

Johan Schot (University of Sussex, United Kingdom)

Suzanne Moon (University of Oklahoma, United States)

Itty Abraham (National University of Singapore)

Fashioning Global Patent Cultures: Diversity and Harmonization in Historical Perspective

Organizers:	**Graeme Gooday** (University of Leeds, United Kingdom) and **Steven Wilf** (University of Connecticut, United States)
Chair:	**Graeme Gooday** (University of Leeds, United Kingdom)
Comment:	**Steven Wilf** (University of Connecticut, United States)

Kjell Ericson (Yale University, United States): Science Applied in Aid of Nature: The First Pearl Patent and the Place of Industrial Property in Meiji Japan

Bernardita Escobar Andrae (University of Santiago, Chile): Alternative Patent Cultures in the Chilean Patent System, 1840–1910"

Courtney Fullilove (Wesleyan University, United States): Specimens of Ingenuity, and Their Consumption: Fire and Restoration in the U.S. Patent Office

Tania Sebastian (Gujerat National Law University, India): The India Twist to Patent Culture

Technology and Capitalism as U.S. Foreign Relations: Transatlantic and Transpacific Perspectives

Organizers:	**Corinna Schlombs** (Rochester Institute of Technology, United States) and **William Chou** (The Ohio State University, United States, and University of Tokyo, Japan)
Chair and comment:	**Keith Breckenridge** (University of Witwatersrand, South Africa)

Corinna Schlombs (Rochester Institute of Technology, United States): The Promise of Productivity: Technology and the American Capitalist Model in U.S.-German Relations

Ying Jia Tan (Wesleyan University, United States): Sino–American Technological Diplomacy and the Nationalization of China's Electrical Industries, 1941–1945

William Chou (The Ohio State University, United States, and University of Tokyo, Japan) **[Robinson Prize Candidate]:** Constructing and Consuming the American Japanese Car: Transpacific Technology and Marketing, 1957–1982

Pierre Mounier Kuhn (National Center for Scientific Research and Université Paris–Sorbonne, France): Transatlantic Configurations: Information Technologies between the U.S. and Peripheral Countries

PRELIMINARY PROGRAM, continued

On the Co-Evolution of Technology and Culture: Technological Development, Birth Control, and Venereal Diseases Prophylaxis

Organizer: **Wolfgang König** (Technische Universität Berlin, Germany)

Chair and comment: **Suzanne Gottschang** (Smith College, United States)

Wolfgang König (Technische Universität Berlin, Germany): The Condom's Difficult Path to Become a High-Tech Product in 20th Century Germany

Haiyan Yang (Peking University, China): Making the Pill: A Comparative Study on the Development of the Contraceptive Pill in China and the United States

Shoan Yin Cheung (Cornell University, United States): A Therapeutic for a New Millennium: The Birth Control Pill as "Medicine" in Contemporary Japan

Donna J. Drucker (Technische Universität Darmstadt, Germany): No Barrier to Innovation: The Trials of the Cervical Cap, 1976–1988

Imagination/Meaning: Technological Dreamscapes, Fictions, and Futures

Organizer and chair: **Annie Tomlinson** (Cornell University, United States)

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

Finn Arne Jørgensen (Umeå University, Sweden): When the Humanities Went Digital (A History of Technology Told in the Future Tense)

Samantha Breslin (Memorial University of Newfoundland, Canada): Planning Creativity and Innovation: Imagining Technological Development in Singapore, 1986–2025

Jacob Ward (University College London, United Kingdom) **[Robinson Prize Candidate]:** "The future must be invented, not predicted": Human Imagination and Computer Prediction in the British Post Office, 1967–1983

Annie Tomlinson (Cornell University, United States) **[Robinson Prize Candidate]:** The "Death Ray" and the Test Ban: Imagining America's Neutron Bomb as Technopolitical Artifact and Regime, 1957–1963

Robots in Asia: History, Culture, and Politics (Part I)

Organizer and chair: **Chihyung Jeon** (Korea Advanced Institute of Science and Technology, South Korea)

Comment: **Ann Johnson** (Cornell University, United States)

Anna Guevarra (University of Illinois at Chicago, United States): Simulations of Care: Labor, Globalization, and the Politics of Innovation in Korean Robotics

Heesun Shin and **Chihyung Jeon** (Korea Advanced Institute of Science and Technology, South Korea): Robots, Save Us: Visions of Disaster Robotics in South Korea

Huang Yu (The Chinese University of Hong Kong) and **Naubahar Sharif** (Hong Kong University of Science and Technology, China): Replacing Humans with Robots: Technological Change and Industrial Organization in the Pearl River Delta of China

Selma Šabanovi (Indiana University, United States): Robotics Firsts: Tracing the Development of Robotics through Oral History Interviews

PRELIMINARY PROGRAM, continued

Things on Display: Exhibitions as a Research Tool in the History of Technology

Organizers:	**Andreas Marklund** (Post & Tele Museum, Denmark) and **Louise Karlskov Skyggebjerg** (Danish Museum of Science and Technology, Denmark)
Chair:	**Mats Fridlund** (Aalto University, Finland)
Comment:	**Deborah Douglas** (MIT Museum, United States)

Andreas Marklund (Post & Tele Museum, Denmark): Exhibitions as a Space for Data Creation: Investigating Information Age Intangibles

Frode Weium and **Henrik Treimo** (Norwegian Museum of Science and Technology, Norway): Exhibitions as Recontextualizations: A Recontextualized Telescope—Connecting Things, Exhibitions, and Research

Louise Karlskov Skyggebjerg (Danish Museum of Science and Technology, Denmark): Exhibition Work as a Way to Engage in Talks with Objects: Thinking with Objects

Histories, Poverties, Technologies

Organizers:	**Waqar Zaidi** (Lahore University of Management Sciences, Pakistan) and **Nina Lerman** (Whitman College, United States)
Chair:	**Nina Lerman** (Whitman College, United States)
Comment:	**Waqar Zaidi** (Lahore University of Management Sciences, Pakistan)

Anindita Nag (German Historical Institute, United States): Reading the Numbers: Statistics and the Politics of Food Scarcity in Colonial India

Dora Vargha (University of London, United Kingdom): Iron Lungs across the Iron Curtain: Respiratory Technologies in Times of Global Polio Epidemics

Kapil Subramanian (King's College London, United Kingdom): Private Tubewells and the Green Revolution

Kirsten Moore-Sheeley (Johns Hopkins University, United States): Disaggregating the "Rural Poor": The History of Insecticide-Treated Bed Net Use in Western Kenya

PRELIMINARY PROGRAM, continued

Friday, 24 June • 1:30 PM–5:30 PM

SHOT Graduate Student Workshop

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

Participants:

Cecilia Cárdenas-Navia (Yale University, United States)

Chris Baumann (Stockholm University, Sweden)

Elena Kunadt (Bergische Universität Wuppertal, Germany)

Ericka Herazo Berdugo (Universidad de Los Andes, Colombia)

Fabian Bechtold (RWTH Aachen University, Germany)

Fabian Prieto-Ñañez (University of Illinois at Urbana-Champaign, United States)

Gu Xiaoyang (Peking University, China)

Karsten Marhold (Université Libre de Bruxelles, Belgium)

Kuan-Hung Lo (Virginia Tech, United States)

Lasse Blond (Aarhus University, Denmark)

Lei Huan-Jie (Renmin University of China)

Marcus Schmerl (Flinders University, Australia)

Paulina Faraj (Georgia Institute of Technology, United States)

Rebecca Miller (Science and Technology Policy Institute, United States)

Sanne Aagaard Jensen (University of Copenhagen, Denmark)

Yeh-Han Wang (National Yang-Ming University, Taiwan)

Zhao Yuting (Peking University, China)

Friday, 24 June • 1:30 PM–3:00 PM

The Practical Application of Natural Philosophical Knowledge in Early Modern Europe

Organizer and

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

Gerhard Wiesenfeldt (University of Melbourne, Australia): Mathematics at Leiden around 1600: Technical Expertise and the Formation of Dutch Academic Culture

Luciano Boschiero (Campion College, Australia): Machines, Motion, and the Académie des Sciences, 1666–1686

David Philip Miller (University of New South Wales, Australia): The Natural Philosophy of Steam in the 18th Century

Presidential Roundtable: Why Feminist Perspectives on Technology Still Matter—A Global Conversation

Organizer: **Arwen P. Mohun** (University of Delaware, United States)

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

Panelists:

Chia-Ling Wu (National Taiwan University, Taiwan)

Annapurna Mamidipudi (Maastricht University, Netherlands)

Arwen P. Mohun (University of Delaware, United States)

Laura Ann Twagira (Wesleyan University, United States)

Karin Zachmann (Technische Universität München, Germany)

PRELIMINARY PROGRAM, continued

Roundtable: What Might a Global History of Spaceflight Look Like?

Organizers: **Roger D. Launius** (Smithsonian Institution, United States) and **Alexander C. T. Geppert** (New York University, United States, and NYU Shanghai, China)

Roger D. Launius (Smithsonian Institution, United States): The *Longue Durée* of Space Exploration and the Amalgamation of a Technological Endeavor

Asif A. Siddiqi (Fordham University, United States): In Place and Left Behind: "Departure Gates" and the Many Global Histories of Space Exploration

Alexander C. T. Geppert (New York University, United States, and NYU Shanghai, China): Global Cosmo-Politics and the Planetization of Earth

Michael J. Sheehan (Swansea University, United Kingdom): National and Planetary Imaginaries in the Construction of Space Programs

Erik M. Conway (Jet Propulsion Laboratory, United States): Entangled Histories of Spaceflight: Thoughts on Preserving Nationalism in Global Histories

Xi Lu (Shanghai Institute of Satellite Engineering, China): Globalizing Deep Space Exploration: Cooperation and Win-Win

Monique Laney (Auburn University, United States): Migration, Nation, and Space Exploration

Chinese Technology in Cross-Cultural Context

Chair: *Jianjun Mei* (Needham Research Institute, United Kingdom)

Wei Qian (University of Science and Technology Beijing, China): Technology Transfer from China to America? A Case Study of Ironworks in Mid-19th Century Kentucky

Hugo Silveira Pereira (Universidade Nova de Lisboa, Portugal): Technopolitics, Technodiplomacy, China, and Portugal: The Railway from Macao to Guangzhou (Late Nineteenth–Early Twentieth Centuries)

Chadwick Wang (Tsinghua University, China), **Mingyang Li** (Chinese Academy of Sciences, China), and **Hongyao Zhang** (University of Tokyo, Japan): The Abandoned Tradition and the Unopened Package: On the Failure of the Modern Chinese Sugar Industry

Zhihui Zhang (Chinese Academy of Sciences, China) and **Yulin Chen** (Hunan University of Science and Technology, China): Space Technology and Geopolitics: Post–Cold War China-U.S. Cooperation and Conflict on Commercial Satellite Launching

Managing Risk in a Diverse World: Intersections of Disability, Race, Class, and Technology in the Creation and Confrontation of Disaster

Sponsor: **EDITH**

Organizers: **Fallon Samuels-Aidoo** (Harvard University and Northeastern University, United States) and **Anna Åberg** (University of Turin)

Chair and comment: **Ashley Carse** (Vanderbilt University, United States)

Fallon Samuels-Aidoo (Harvard University and Northeastern University, United States): Disaster Averted? Emergency Services for the American Rail Industry, 1970–1987

Minae Inahara (Osaka University, Japan): A Phenomenological Investigation of Disability Inclusive Disaster Risk Management: Vulnerabilities, Disasters, and Technologies

Philip C. Brown (The Ohio State University, United States): Facing Natural Hazard Disasters in Early Modern Japan

PRELIMINARY PROGRAM, continued

Sexy Problems: Why Do Particular Technological Problems Become Interesting and Attractive at a Certain Moment?

Organizer: **Ann Johnson** (Cornell University, United States)

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

Ann Johnson (Cornell University, United States): Cleaning up Combustion: The Quest for a Better Engine

Roger Eardley-Pryor (Chemical Heritage Foundation, United States): Bigger, Longer, Wetter: Stimulating Simulations of Biomolecular Dynamos with Supercomputers in Interdisciplinary Illinois

David C. Brock (Computer History Museum, United States): Build Slide: Presentation Software and the Logics of PowerPoint

Robots in Asia: History, Culture, and Politics (Part II)

Organizer and chair: **Chihyung Jeon** (Korea Advanced Institute of Science and Technology, South Korea)

Comment: **David Lucsko** (Auburn University, United States)

Angela Ndalianis (University of Melbourne, Australia): From Edo *karakuri ningyo* to 21st Century Japanese Robots

Colin Garvey (Rensselaer Polytechnic Institute, United States): Risk and Governance of Artificial Intelligence in the USA and Japan

Hee Rin Lee (Indiana University, United States): Individualized Selves of South Korean Home and Social Robotics

Industrial Warfare Emergent: Technological Legacies of the American Civil War

Sponsor: **SMiTInG**

Organizer and comment: **Barton C. Hacker** (Smithsonian Institution, United States)

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

Seymour Goodman (Georgia Institute of Technology, United States): The Race to Hampton Roads

Merritt Roe Smith (Massachusetts Institute of Technology, United States): The Civil War and the Origins of the Global Arms Bazaar, 1865–1890

Jeffrey Larrabee (National Guard Bureau, United States): "A Brief Plea for an Ambulance System": Lessons Learned and Re-Learned from the Civil War to the World War

Technology Transfer Reconsidered: Three Cases of Transfer from the West to China

Organizer: **Lie Sun** (Chinese Academy of Sciences, China)

Chair: **Baichun Zhang** (Chinese Academy of Sciences, China)

Comment: **Per Högselius** (Royal Institute of Technology, Sweden)

Lie Sun (Chinese Academy of Sciences, China): German Krupp and Late Qing Chinese Artillery: Technology Transfer through Trade and Imitation

Bin Wang (Chinese Academy of Sciences, China): The Impact of Modern Railway Technology Transfer to China: The Case of the Kiaotsi Railway, 1898–1914

Jinfang Han (China Association for Science and Technology, China): The Reform of Higher Technical Education Following the Soviet Union's Model: Beijing Area, 1949–1961

PRELIMINARY PROGRAM, continued

Innovation through Connections

Organizer: **Jung Lee** (Academia Sinica, Taiwan)

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

Kuang-Chi Hung (National Taiwan University, Taiwan): Scientific Forestry and Ecologies of War in Taiwan during the Japanese Colonial Rule

Sun-sil Oh (Seoul National University, South Korea): Coordinating a Reasonable Power System for South Korea

Jung Lee (Academia Sinica, Taiwan): Beating Twice for Innovation? Thinking Innovation through Papermaking in 19th Century Korea

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Friday, 24 June • 3:30 PM–5:00 PM

Roundtable: Teaching History of Technology and Science and Technology Studies (STS) outside the Euro-Atlantic World

Organizer and chair: **Anto Mohsin** (Northwestern University in Qatar)

Comment: **Clarissa Ai Ling Lee** (National University of Malaysia)

Anto Mohsin (Northwestern University in Qatar): Introducing and Teaching Science and Technology Studies at a Media School in Qatar

Ellan F. Spero (Massachusetts Institute of Technology, United States, and Singapore University of Technology and Design, Singapore): Photographic Practice as a Tool for Critical Thinking About Technology in Local and Global Contexts

Catelijne Coopmans (National University of Singapore): STS as General Education at Tembusu College, Singapore

C. Ozan Ceyhan (Istanbul University, Turkey): Teaching History of Technology in Turkey

Chihyung Jeon (Korea Advanced Institute of Science and Technology, South Korea): Pedagogical Challenges in the History of Technology and STS in South Korea

Pacific Crossings: A Roundtable on the Transpacific History of Technology

Organizers: **Augustine Sedgewick** (Independent Scholar, United States) and **Teasel Muir-Harmony** (American Institute of Physics, United States)

Chair and comment: **Marc S. Rodriguez** (Portland State University, United States)

Emily K. Brock (Max Planck Institute for the History of Science, Germany): Biodiversity as a Technological Challenge: Science, Power, and Trade in a Globalized Southeast Asian Tropical Hardwood Industry

Teasel Muir-Harmony (American Institute of Physics, United States): Selling Spaceflight in the Pacific Orbit: Comparing American Propaganda in Asia, Latin America, and Oceania

Augustine Sedgewick (Independent Scholar, United States): Coffee Production in the Transpacific Commodity Field, 1888–1941

Computation and the Behavioral / Psychological Sciences: Intersecting Histories, Technologies, and Discourses

Organizer: **Luke Stark** (New York University, United States)

Ekaterina Babintseva (University of Pennsylvania, United States): Self, Computer, and Society: The Development of Computer-Based Education in the United States during the Cold War

Ian Hartman (Northwestern University, United States): "The Yoga of the West": Biofeedback, Transpersonal Psychology, and the Beginnings of the Quantified Self

Luke Stark (New York University, United States) **[Robinson Prize Candidate]:** "It's Messing with Me, It's Mind Control": Psychological Experimentation on Social Media Platforms and the History of A/B Testing

PRELIMINARY PROGRAM, continued

Animals and Technology: On the Land

Organizer and chair: **Dolly Jørgensen** (Luleå University of Technology, Sweden)

Tamar Novick (Max Planck Institute for the History of Science, Germany) **[Robinson Prize Candidate]:** Documenting Production: The Story of Stavit, a Beastly Technology

Tiago Saraiva (Drexel University, United States): The Modern Evolutionary Synthesis and Pork: Guinea Pigs and Pig Breeding in the New Deal

Otniel E. Dror (Hebrew University of Jerusalem, Israel): Perpetuum Pleasure Mobile

Amy Fletcher (University of Canterbury, New Zealand): Listening to Extinction: Eco-Sound from the Movietone Sound System to Soundscape Ecology

Long-Term Impacts of Joseph Needham's Science and Civilization in China *on the History of Technology I: Asia and Beyond*

Organizers: **Philip C. Brown** (The Ohio State University, United States) and **Carl Mitcham** (Colorado School of Mines, United States)

Suzanne Moon (University of Oklahoma, United States): Needham in Southeast Asia? The Archive and Expanded Histories of Technology

Shi Xiaolei (Harbin Normal University, China): Changes in the History of Technology in China since Needham's Work: The Perspective of the History of Mechanical Engineering

Jielin Dong (Soochow University, China) and **Wei Li** (Sun Yat-sen University, China): The Structure of Science and Technology across History: A "Human Needs" Perspective

Yulin Chen (Hunan University of Science and Technology, China) and **Zhihui Zhang** (Chinese Academy of Sciences, China): Reflective Studies on SHOT's Intellectual and Social Organization: The Development Process of SHOT's Theories, Themes, and Social Organization of the History of Technology

Fashion and Technology: Consumers, Democratization of Luxury, and New Technologies

Organizer: **Emanuela Scarpellini** (University of Milan, Italy)

Chair and comment: **Ruth Oldenziel** (Eindhoven University of Technology, Netherlands)

Naoko Inoue (Tokyo Josai University, Japan): Silk Spinning Technology and Its Impact on Japanese Society in the Late 19th and Early 20th Centuries: The Democratization of Silk and the Emergence of the New Consumer Society

Miki Sugiura (Hosei University, Japan): Old and New Techniques in Recycling Kimono Clothing: A Connection?

Emanuela Scarpellini (University of Milan, Italy): Science and Technology in the Italian Fashion Industry

PRELIMINARY PROGRAM, continued

Patenting, Promoting, and Politicizing New Technologies: Invention, Innovation, and Ubiquitous Know-How in 18th Century France and Britain

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

Comment: **Pamela O. Long** (Independent Scholar, United States)

Marie Thébaud-Sorger (National Center for Scientific Research, France): Playing with Scales for Mastering Nature: The Design of Micro-Inventions in 18th Century France and Britain

Benjamin Bothereau (School for Advanced Studies in the Social Sciences, France) **[Robinson Prize Candidate]:** The Imaginary and Technology: Public Lighting Representations in 18th Century Paris

Daryl M. Hafter (Eastern Michigan University, United States): Everybody's Know-How in the Age of Guild Regulations

Jérôme Baudry (University of Geneva, Switzerland) and **Rachel Gostenhofer** (Brown University, United States): From Priority to Property: Owning and Disowning Inventions in 18th Century France

Risk and Opportunity in Spaceflight Technology

Organizer: **Paul E. Ceruzzi** (Smithsonian Institution, United States)

Chair and comment: **Alexander C. T. Geppert** (New York University, United States, and NYU Shanghai, China)

Paul E. Ceruzzi (Smithsonian Institution, United States): The Apollo Guidance Computer, the Integrated Circuit, and the Birth of Silicon Valley, 1962–1972

Ashok Maharaj (Tata Consultancy Services, India): Transnational Networks and Knowledge Flows in the Making and Launching of APPLE: India's first Geostationary Satellite

Michael J. Neufeld (Smithsonian Institution, United States): The Discovery Program: Competition, Innovation, and Risk in Planetary Exploration

Making Games Go: Hardware and Software at the Intersection of Computer and Game History

Organizer: **Laine Nooney** (Georgia Institute of Technology, United States)

Chair: **Maria Haigh** (University of Wisconsin, United States)

Comment: **Melanie Swalwell** (Flinders University, Australia)

Laine Nooney (Georgia Institute of Technology, United States): Puzzling Engines: Game Design and Software Innovation at Sierra On-Line in the 1980s

Jacob Gaboury (Stony Brook University, United States): Procedure Crystalized: Graphics Card Histories and the Domestication of 3D

Stephanie Dick (Harvard University, United States): Games of Chance in the AI Winter

Art and Image in Japan

Chair and comment: **Aleksandra Kobiljski** (National Center for Scientific Research, France)

Yakup Bektas (Tokyo Institute of Technology, Japan): Miyazawa Kenji's Journey to the Stars

Tobias Cheung (Humboldt University of Berlin, Germany): Metabolic Space: Kisho Kurokawa's Future Megalopolis and Its Biotechnic Culture

W. Patrick McCray (University of California, Santa Barbara, United States): Big in Japan: Technology, Art, and Osaka's Expo '70

PRELIMINARY PROGRAM, continued

Bodies and Technologies

Chair: **Achintya Kumar Dutta** (University of Burdwan, India)

Heong Hong Por (University of Malaya, Malaysia): Keeping the Fighting Strength: Medicine and Knowledge of Bodies as Military Technology during Malaya's (Counter) Insurgency, 1948–1960

Kyuri Kim (Korea Advanced Institute of Science and Technology, South Korea): The Ironies of Surveillance: The Effects and Side-Effects of Introducing Technologies for Tuberculosis Surveillance and Governance in South Korea

Alana Staiti (Cornell University, United States) **[Robinson Prize Candidate]:** Bones, Skins, and Joints: ANIMAC and the "Body Language" of Computerized Motion

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Saturday, 25 June • 10:00 AM–12:00 PM

(Post) Colonialism, Infrastructures, and the Environment

Organizers: **Ute Hasenöhrl** (University of Innsbruck, Austria) and **Jonas van der Straeten** (Technische Universität Berlin, Germany)

Jethron Ayumbah Akalla (Technische Universität Darmstadt, Germany): Un-packing the Socio-Political Character of LTS: The Race Question and Nairobi's Water and Sanitation Infrastructure, 1899 to 1963

Julio Decker (University of Bristol, United Kingdom): Ambitions, Environments, Realities: Imperial Infrastructure in the Philippines and German Southwest Africa, 1898–1918

Ute Hasenöhrl (University of Innsbruck, Austria): A Colonization of the Night? Lighting Technologies and Night-Time Practices in the British Empire

Agnes Kneitz (Renmin University of China): Watering Colonial Visions. German Infrastructure in Kiautshou Bay, 1897–1914

David Nilsson (Royal Institute of Technology, Sweden): Clash of the Civilizations at the "Septic Fringe"? City-Building, Modernization, and Resistance in Colonial Kampala

Jonas van der Straeten (Technische Universität Berlin, Germany): Development, Decolonization, and the Making of a Grid: The Electrification of East Africa, 1945–1960

Game History and the Local I: Locating Histories of Technology

Organizer and Chair: **Melanie Swalwell** (Flinders University, Australia)

Comment: **Corinna Schlombs** (Rochester Institute of Technology, United States)

Alex Wade (Birmingham City University, United Kingdom): Magnetic Fields: Politics and Music in 1980s UK Videogames

Helen Stuckey (Flinders University, Australia): Wild Colonial Boys: How Nintendo Tried to Kill the Australian Games Industry

Ksenia Tatarchenko (University of Geneva, Switzerland): "Right to Be Wrong": Gaming, Programming, and Transgression in Late Soviet Computing

Melanie Swalwell (Flinders University, Australia): Heterodoxy in Local Games Historiography

PRELIMINARY PROGRAM, continued

Long-Term Impacts of Joseph Needham's **Science and Civilization in China** *on the History of Technology II: Chinese Reception of* **Science and Civilization in China**

Organizers: **Philip C. Brown** (The Ohio State University, United States) and **Carl Mitcham** (Colorado School of Mines, United States)

Chair: **Carl Mitcham** (Colorado School of Mines, United States)

Comment: **Jianjun Mei** (Needham Research Institute, United Kingdom)

Wenjuan Yin (Northeastern University Shenyang, China): Chinese Responses to *Science and Civilization in China* by Li Yuese and Colleagues

Kang Zhang (Renmin University of China) and **Junhai Zhao** (Renmin University of China): The Needham Problem in China

Qian Wang (Dalian University of Technology, China): Daoism and Technology in China

To Share or Not to Share? Collaborative Approaches to Technological Innovation and Knowledge Management, 1850–World War I

Organizers: **Joris Mercelis** (Johns Hopkins University, United States) and **Lynn Berger** (Columbia University, United States)

Chair and comment: **Gabriel Galvez-Behar** (Université de Lille 3, France)

Peter B. Meyer (Independent Scholar, United States): Knowledge Commons, Industry, and Military: Three Frames for Early Aeronautical Patents

Lynn Berger (Columbia University, United States): "Photography is Everybody's Property": Peer Production and the Photographic Trade Press in the Nineteenth Century United States

Joris Mercelis (Johns Hopkins University, United States): Public Knowledge and Private Enterprise: Nineteenth-Century Photography and the Practicability of Open Innovation

Elizabeth Bruton (University of Oxford, United Kingdom): Public Debate and Knowledge Management: The Institution of Electrical Engineers and Wireless Knowledge Networks in the Late 19th Century

Transforming Development: Agricultural Technologies and Knowledge Practices across Asia

Organizer: **Jenny Goldstein** (Cornell University, United States)

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

Chris Shepherd (Australian National University, Australia): What Is Indigenous and What Is Not? The Ambiguous Case of the Development Industry's Revival of the *tara bandu* Ritual as a Driver of Agricultural Modernization in Postcolonial East Timor

Jerome Whitington (National University of Singapore): Carbon Farming in the Thai Agricultural Industry: Technological Innovation for Global Carbon Offsets

Harro Maat (Wageningen University, Netherlands): Circulating Improved Practices for Rice Production: European Colonial Agricultural Science in Asia and Postcolonial Consequences

Jenny Goldstein (Cornell University, United States): Cultivating Carbon: Re-Engineering Indonesia's Peatlands and the Contradictions of Development

PRELIMINARY PROGRAM, continued

Rethinking Reproductive Technologies and Modernities: Pregnancy, Childbirth, and Reproduction in East Asian Societies, 1800s–2000s (Part I)

Organizers: **Suzanne Gottschang** (Smith College, United States) and **Gonçalo Santos** (University of Hong Kong)

Comment: **Francoise Barbira Freedman** (Cambridge University, United Kingdom)

Izumi Nakayama (University of Hong Kong): Defining Infertility in Japan, 1880–1925

Chiaki Shira (Shizuoka University, Japan): The History of "Artificial Insemination" in Japan, 1890–1948: Issues Concerning Insemination and Donor Sperm

Azumi Tsuge (Meiji Gakuin University, Japan): Motherhood and Prenatal Testing in Contemporary Japan

Nana Okura Gagné (The Chinese University of Hong Kong): Pursuing Pregnancy in Contemporary Japan

Infrastructures of Risk and Disaster (Part II)

Organizers: **Yeonsil Kang** (Korea Advanced Institute of Science and Technology, South Korea) and **Scott Gabriel Knowles** (Drexel University, United States)

Comment: **Kim Fortun** (Rensselaer Polytechnic Institute, United States), **Scott Gabriel Knowles** (Drexel University, United States), and **Lee Vinsel** (Stevens Institute of Technology, United States)

Kohta Juraku (Tokyo Denki University, Japan): Accident Investigation—Learning Process, Healing Process, or Forgetting Process?"

Yeonsil Kang (Korea Advanced Institute of Science and Technology, South Korea) **[Robinson Prize Candidate]:** Proof of Environmental-ness: Asbestos Risk and their Evidence in South Korea

Vivek Kant (Nanyang Technological University, Singapore) **[Robinson Prize Candidate]:** The Human as a System Component in Nuclear Installations: Jens Rasmussen and High-Risk Systems, 1961–1983

Max Liboiron (Memorial University of Newfoundland, Canada): Methodologies for Acting Upon Infrastructures of Slow Disaster?

Exploring the Historical Roots of Contemporary Conversations about Engineering Education Reform

Sponsor: **Prometheans**

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

Chair: **Jeff Schramm** (Missouri University of Science and Technology, United States)

Comment: **Bruce Seely** (Michigan Technological University, United States)

Jingjin Wang (Tsinghua University, China): Engineering Education in Action: Reforms in Engineering Education in Twentieth-Century China

Kristina Edström (Royal Institute of Technology, Sweden): The Tension between Academic and Professional Values in Engineering Education: Comparing the Views of Carl Richard Söderberg and the CDIO Approach

Atsushi Akera (Rensselaer Polytechnic Institute, United States): Historical and Structural Foundations of the Proposed Changed in ABET's Accreditation Standards

Qin Zhu (Purdue University, United States): What Counts as a Practical Engineer: Policy Controversies over the Practical Capability in Engineering Education since 1949

PRELIMINARY PROGRAM, continued

THATCamp "Un-Roundtable"

Organizers: **Ellan F. Spero** (Massachusetts Institute of Technology, United States, and Singapore University of Technology and Design, Singapore), **Catelijne Coopmans** (National University of Singapore), and **Eric Kerr** (National University of Singapore)

Panelists:

2016 Singapore THATCamp Participants

Presidential Roundtable: Phenomenotechnologies: Individual Perception, Collective Experience, and the History of Technology

Organizer: **Lino Camprubi** (Max Planck Institute for the History of Science, Germany)

Chair: **Daiwie Fu** (Yang Ming University, Taiwan)

Comment: **Daiwie Fu** (Yang Ming University, Taiwan) and **Bruno Latour** (Sciences Po, France)

Lino Camprubi (Max Planck Institute for the History of Science, Germany)

Javier Pérez-Jara (Beijing Foreign Studies University, China)

Mareile Flitsch (Völkerkunde Museum der Universität Zürich, Switzerland)

Nationalizing Technologies in Postcolonial South Asia and East Asia

Organizer: **Aparajith Ramnath** (Indian Institute of Management Kozhikode, India)

William Logan (Auburn University, United States): Spanning the Brahmaputra: The Indian Government, Private Industry, and the First Bridge across Assam's Great River

Aparajith Ramnath (Indian Institute of Management Kozhikode, India): From Post-war Reconstruction to Nation-Building: The Evolution of Technical Education Policy in India, 1938–56

Po-Jen Bono Shih (Virginia Tech, United States) **[Robinson Prize Candidate], Gary Downey** (Virginia Tech, United States), and **Kuo-Hui Chang** (National Taiwan University, Taiwan): Industrial Education Becoming Chinese: National Identity, Political Visions and Colonial Legacy in Early Postcolonial Taiwan (1945–1949)

Hsien-yu Chen (Yang Ming University, Taiwan): The Cold War in Rice Cookers: Gender and Kitchen Testing in Taiwan,1950s–1970s

Suvobrata Sarkar (Burdwan University, India): Development of Electricity in a Colonial Metropolis: Calcutta in the Early Twentieth Century

Oceans' Technologies

Organizer **Hakon With Andersen** (Norwegian University of Science and Technology, Norway)

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

Comment: **Nil Disco** (University of Twente, Netherlands)

Thomas Brandt (Norwegian University of Science and Technology, Norway): Capturing the Power of the Ocean Waves: The Rise and Demise of a Research and Development Project for Ocean Wave Energy Conversion in Norway, 1970s–1990s

Alex Grainger (Independent Scholar, United Kingdom) **[Robinson Prize Candidate]:** Boundaries of Nature and the Nature of Boundaries: Offshore Technologies, Political Regimes, and Timor Sea Oil and Gas, 1963–1975

Tizra Meyer (Norwegian University of Science and Technology, Norway) and **Johan Gärdebo** (Royal Institute of Technology, Sweden): Outer Space—Ocean Space: The Common Heritage of Remote Commons

Hakon With Andersen (Norwegian University of Science and Technology, Norway): Wind, Waves, and Ships

PRELIMINARY PROGRAM, continued

Saturday, 25 June • 1:30 PM–3:30 PM

Nuclear Dreams in the Asia-Pacific

Sponsor:　　　　　　　**Tembusu College**

Organizer:　　　　　　**Pang Yang Huei** (Singapore University of Technology and Design, Singapore)

Chair:　　　　　　　　**Alan Chong** (S. Rajaratnam School of International Studies, Singapore)

Comment:　　　　　　**Ellan F. Spero** (Massachusetts Institute of Technology, United States, and Singapore University of Technology and Design, Singapore)

Kapil Patil (Indian Pugwash Society, India): Strategic versus Scientific and Social Motivations: India's Discourse on Peaceful Nuclear Explosions During 1964–1974

Clarissa Ai Ling Lee (National University of Malaysia) **[Robinson Prize Candidate]:** Malaysia's Nuclear Dreams: There Was Technology, and Then There Was Science

Loh Shilin (Harvard University, United States): Nuclear Medicine in Japan: Imported Prospects and Human Health

Pang Yang Huei (Singapore University of Technology and Design, Singapore): Revolution and Science: The Career of Qian Sanqiang

Roundtable: Technical Assistance and the History of Technology

Organizers:　　　　　　**John Paul DiMoia** (National University of Singapore), **Gisela Mateos** (National University of Mexico), **Maria Rentetzi** (University of Vienna, Austria), and **Edna Suárez-Díaz** (National University of Mexico)

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

Maria Rentetzi (University of Vienna, Austria): The IAEA Technical Assistance Programs: Solving Policy Problems Through Scientific Collaboration

John Paul DiMoia (National University of Singapore): From "Atoms for Peace" to Building a Domestic Program: the Legacy of Radioisotopes in South Korea, 1958–1973

Gisela Mateos (National University of Mexico) and **Edna Suárez-Díaz** (National University of Mexico): Technical Assistance Recreations of Development: The IAEA's Mobile Radioisotope Exhibition in Latin America (1960–1965)

Karin Zachmann (Technische Universität München, Germany): Nuclear War against Insects: Technical Assistance Projects Promoted by the United Nations' Specialized Agencies in the Cold War Era

Infrastructures of Risk and Disaster (Part III)

Organizers:　　　　　　**Yeonsil Kang** (Korea Advanced Institute of Science and Technology, South Korea) and **Scott Gabriel Knowles** (Drexel University, United States)

Comment:　　　　　　**Kim Fortun** (Rensselaer Polytechnic Institute, United States), **Scott Gabriel Knowles** (Drexel University, United States), and **Lee Vinsel** (Stevens Institute of Technology, United States)

Greg Lusk (University of Chicago, United States) **[Robinson Prize Candidate]:** Can We Blame the Weather? The Emergence of Extreme Weather Attribution Technology

Susan Sterett (Virginia Tech, United States): Legal Engagement and Practices of Assistance

Tyson Vaughan (National University of Singapore) **[Robinson Prize Candidate]:** Re-mooring After Disaster: Rethinking the Infrastructural Constitution of Community

PRELIMINARY PROGRAM, continued

Rethinking Reproductive Technologies and Modernities: Pregnancy, Childbirth, and Reproduction in East Asian Societies, 1800s–2000s (Part II)

Organizers: **Suzanne Gottschang** (Smith College, United States) and **Gonçalo Santos** (University of Hong Kong)

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

Jianfeng Zhu (Fudan University, China): Understanding the Cradle Project: Fetal Education, Modern Cerebral Science, and Traditional TCM Practice in Contemporary China

Gonçalo Santos (University of Hong Kong): Birthing Dramas and Generational Narratives: The Medicalization of Childbirth in Rural South China, 1960s–2010s

Suzanne Gottschang (Smith College, United States): Medicalizing Childbirth and Risk in China

Chen-I Kuan (Yang Ming University, Taiwan): The Limits of Technology in Childbirth: Who Pays the Price?

Infrastructures of Planning in South Korea and Japan: The Global Origins of Developmentalism

Organizer and chair: **Aaron S. Moore** (Arizona State University, United States)

Comment: **Hyungsub Choi** (Seoul National University of Science and Technology, South Korea)

Juyoung Lee (Science and Technology Policy Institute, South Korea) **[Robinson Prize Candidate]:** The Practice of Planning in South Korea's First Comprehensive National Physical Development Plan, 1963–1972

Dong-Wan Gimm (Seoul National University, South Korea): Scalar Politics and Technological Innovation: The Case Study of the Ulsan Refinery Plant

Yamane Nobuhiro (Waseda University, Japan): The Deployment of Developmentalism in Postwar Japan—Its Historical Processes and Dual Contexts

Aaron S. Moore (Arizona State University, United States): From Colonial "Asian Construction" to Post-Colonial "Economic Cooperation": Japanese Engineering Consultants and the Development of South Korea's Hydropower Infrastructure

Game History and the Local II: Global / Local Tensions in Spain, South Korea, and Sweden

Organizer: **Benjamin Nicoll** (University of Melbourne, Australia)

Chair: **Melanie Swalwell** (Flinders University, Australia)

Ignasi Meda-Calvet (Autonomous University of Barcelona, Spain): Microhobby: Remote Meetings for Sinclair Users in a Spanish Magazine in the 80s

Benjamin Nicoll (University of Melbourne, Australia) **[Robinson Prize Candidate]:** Bootlegging as Productive Ambiguity: The Zemmix and the South Korean Videogame Industry, 1985–1992

Kijun Yun (Korea Advanced Institute of Science and Technology, South Korea): The Mosaic City: Dreams and Realities of Pangyo Techno Valley

Ulf Sandqvist (Umeå University, Sweden): Then the Stars Align: The Formation of the Swedish Game Industry

PRELIMINARY PROGRAM, continued

Regimes of Risk in the Global South: Energy and Techno-Politics

Organizer: **Katayoun Shafiee** (National University of Singapore)

Chair: **Daniel Wilford** (University of Michigan, United States)

Comment: **Sulfikar Amir** (Nanyang Technological University, Singapore)

Katayoun Shafiee (National University of Singapore): TVA Experiment in Iran: Calculating the Hydro-Politics of Risk in the Building of the Dez Dam, 1955–1979

Daniel Wilford (University of Michigan, United States): Fragile Forms: Mapping and Managing Seismic Risk in Post-Colonial Morocco

Pratama Yudha Pradheksa (Virginia Tech, United States): The Social Construction of Risk and Islamic Activism: A Discourse Analysis of Indonesia's Anti-Nuclear Movement

Seung Hee Cho (Korea Advanced Institute of Science and Technology, South Korea): Risk in Climate and Radiation: Citizen Participation in Risk Measurement and Solar Energy Production

Re-Inventing the Human Scale: Science, Technology, and Global Climate Change

Organizer: **Matthias Heymann** (Aarhus University, Denmark) and **Dania Achermann** (Aarhus University, Denmark)

Chair: **Matthias Heymann** (Aarhus University, Denmark)

Dania Achermann (Aarhus University, Denmark): Drilling Deep and Back in Time: Ice-Core Research and Global Climate Knowledge

Melissa Charenko (University of Wisconsin–Madison) **[Robinson Prize Candidate]:** Re−Scaling Proxy Data to Answer Questions about Anthropogenic Change

Nina Wormbs (Royal Institute of Technology, Sweden): Ground Truthing Remote Sensing: Getting the Global "Cold Facts" Right

Sabine Höhler (Royal Institute of Technology, Sweden): Local Weather Event, Global Climate Condition: Satellite Translations of El Niño

Long-Term Impacts of Joseph Needham's Science and Civilization in China *on the History of Technology III: Explorations of Asian / East Asian Technology since Needham*

Organizers: **Philip C. Brown** (The Ohio State University, United States) and **Carl Mitcham** (Colorado School of Mines, United States)

Bei-zhi Yin (China Agricultural University, China): Western Water Conservancy Experts Working in China and Co-operation with Chinese in Modern History

Dian Zeng (Tsinghua University, China) and **Wei Hong** (Tsinghua University, China): Master of the Night: Destiny of A Profession under Technological Changes

Darwin Stapleton (Hermann J. Albrecht Library of Historical Architecture, United States): Biomedical Education, Public Health Technology, and the Origin of the "Barefoot Doctors" at Ding Xian, 1928–1938

Eunjeong Ma (Pohang University of Science and Technology, South Korea): Reformulating Herbal Medicines in South Korea

PRELIMINARY PROGRAM, continued

Deus ex Machina? Rethinking the Concept of the Machine in the History of Technology

Sponsor: **Asia Research Institute**

Organizer: **Martina Schlünder** (University of Toronto, Canada)

Chair and comment: **Lisa Onaga** (Nanyang Technological University, Singapore)

Martina Siebert (Max Planck Institute for the History of Science, Germany): The Qing Palace-Machine and the Growing and Organizing of Lotus

Martina Schlünder (University of Toronto, Canada): From Labs to Biopolitics: Exploring the Scale and Scope of Birthing Machines

Honghong Tinn (Earlham College, United States): Between "Magnificent Machine" and "Elusive Device": Wassily Leontief's Input-output Analysis and its International Applicability

Gayathri Haridas (Nanyang Technological University, Singapore) **[Robinson Prize Candidate]:** The Politics of Innovation in Singapore: Exploring the Machinery of the National System of Innovation

There, and Back Again: Asian Perspectives on East-West Technology Transfers in the Late 20th Century

Organizer and chair: **Alexander B. Magoun** (IEEE History Center, United States)

Comment: **Jonathan Coopersmith** (Texas A&M University, United States)

Junbin Su (Xiamen University, China): Technology and Politics: China's Adoption of the PAL Color Television System in the 1970s

Mila Davids (Eindhoven University of Technology, Netherlands): There and Back Again: Taiwanese Perspectives of East-West High Tech Transfer, 1960s–2010

Jorijn van Duijn (Maastricht University, Netherlands) **[Robinson Prize Candidate]:** Breaking Barriers in the Asian Semiconductor Equipment Industry: ASM Pacific Technology and the Development of a Gold Wire Bonder, 1995–2000

Irene Anastasiadou (Technische Universität Berlin, Germany): The Southern Trans Asian Railway: A Global Project in the Cold War

Colonial Legacies of Technological Development in Asia, from the Age of Imperialism to the Cold War

Organizer: **Leow Wei Yi** (National University of Singapore)

Comment: **Kuang-Chi Hung** (National Taiwan University, Taiwan)

Po-Yi Hung (National Taiwan University, Taiwan): Political Technology of Fruits: Mountain Agriculture and the Politics of Territorialization in Taiwan

Lijing Jiang (Nanyang Technological University, Singapore): Ideology and Economics of Aquaculture Technology in China, Taiwan, and Philippines during the Cold War: A Comparative View

Nadin Heé (Freie Universität Berlin and Max Planck Institute for the History of Science, Germany): Japan's Maritime Empire Reemerging? Technology Transfer in Fisheries during the Cold War in Asia

Leow Wei Yi (National University of Singapore): Two Phases of Colonial Science in British Malaya: From the 1850s to the 1920s

TOURS

Sky and Sea Tour
Departure from UTown: 9:00 AM; departure from GC: 9:30 AM. Return to GC: 3:30 PM; return to UTown: 4:00 PM.

Limited to 39 people. Cost is US$55 per person.

We begin the journey by taking a bird's eye view of the port on a cable car ride from Mount Faber to Sentosa Island, before transferring onto the island's monorail to S.E.A. Aquarium and the Maritime Experiential Museum. Enter this marine realm, home to more than 100,000 marine animals of over 800 species, across 49 different habitats, each one as fascinating as the next. Then travel back in time to discover Asia's maritime heritage at The Maritime Experiential Museum. The Maritime Experiential Museum is the only museum in Singapore where visitors can experience Asia's rich maritime history and discover Singapore's past as a trading port. Lunch at your own expense (Singapore $ required) in one of the many eateries at Resorts World Sentosa.

Gardens by the Bay Tour
Departure from UTown: 12:30 PM; departure from GC: 1:00 PM. Return to GC: 4:00 PM; return to UTown: 4:30 PM.

Limited to 39 people. Cost is $35 per person.

Start this tour of the Outdoor Gardens on a leisurely 20-minute ride around the Bay South Garden aboard the Audio Tour Garden Cruiser tram. Tune in to informative commentary as you take in the views of the Cooled Conservatories, Outdoor Gardens, the Meadow and the Supertree Grove from the comfort of the Garden Cruiser tram. Then continue the journey on foot through the two climate-controlled conservatories and discover amazing plants and flowers from different corners of the globe. In the Flower Dome, gaze at the exceptional shapes of the towering Baobabs, learn about the tenacity of succulent plants and admire the strength of the thousand-year-old Olive Trees. In the Cloud Forest, lose yourself in the mountain of exotic plants found in the Tropical Montane

region, between 1,000 to 3,500 metres above sea level. Make your way past the waterfall that meanders through old forests of conifers and ferns and upon arriving at the top, immerse yourself in the cool mist of the scenic Cloud Walk. As you make your way down, go deep into the heart of Crystal Mountain and discover how mountains are formed, and the vital role they play in the formation of landforms on Earth.

Tiger Breweries Tour
Departure from GC: 12:30 PM; departure from UTown: 1:00 PM. Return to UTown: 4:15 PM; return to GC: 4:45 PM.

Limited to 39 people. Cost is $25 per person.

This tour brings visitors through the history and heritage of Singapore's iconic beer. Visitors will find out how this local beer grew in stature to achieve international acclaim. Asia Pacific Breweries was established in 1931, and started brewing Tiger beer in 1932. Since then it has grown to brewing 6 brands locally: ABC, Anchor, Barons Strong Brew, Guinness Foreign Extra Stout, Heineken, and Tiger. Visitors will get a peek at the Brew House, and learn what goes into a Tiger Beer brew, as well as the Packaging Gallery, where visitors can view the packaging process. The tour concludes with a stop at the Tiger Tavern where visitors are invited to have a glass of the freshest Tiger Beer available anywhere. The tour takes about 1.5hrs in total, including a 45 min. beer appreciation session at the Tiger Tavern.

TOURS, continued

Saturday, 25 June • 9:00 AM – 3:15 PM

Livable City Tour

Departure from UTown: 9:00 AM; departure from GC: 9:30 AM. Return to GC: 2:45 PM; return to UTown: 3:15 PM.

Limited to 39 people. Cost is $20 per person.

A walk-through the Singapore City Gallery lets visitors delve beneath the skin of the city to understand how planners balanced development, heritage, and nature. This is followed by a walk through Chinatown-Kreta Ayer to understand the rehabilitation of this precinct. New housing continues to be introduced in this area to encourage city centre living so as to optimise land use, reduce carbon footprints, and energise the city centre. The tour concludes with a visit to The Pinnacle@Duxton, an internationally acclaimed public housing project with a skydeck on the 50th floor linking 7 apartment blocks. Participants will learn how land use was further optimised in the city through renewal and rejuvenation pro-grammes, thus injecting new and younger communities back into a mature housing estate. ***Please bring along S$5 cash to purchase the EZ-Link card to access the skydeck.*** Before heading back to the hotel, it is worth stopping for lunch at the Maxwell Food Centre nearby. Initially a wet market in the Chinatown area in the 1950s, Maxwell turned into a temporary hawker centre for the famous street hawkers along China Street in the 1980s and has remained that way ever since. It is now home to some of the best hawker food in Singapore at very affordable prices. Lunch at your own expense (Singapore $ required).

Sunday, 26 June • 8:45 AM – 3:30 PM

Water Technology Tour

Departure from UTown: 9:00 AM; departure from GC, 9:30 AM. Return to GC: 3:00 PM; return to UTown: 3:30 PM)

Limited to 39 people. Cost is $10 per person.

We start the journey by learning about Singapore's 3rd National Tap, where waste water is treated through membrane and ultraviolet technologies that make NEWater so clean. 1 hour guided tour. The next stop is the Marina Barrage, a dam built across the 350-metre wide Marina Channel to keep out seawater, forming Singapore's 15th reservoir, and its largest and most urbanised water catchment area. Local catchment water is one of the Four National Taps, with the other three being imported water, NEWater and desalinated water. 1 hour guided tour. We end the tour with lunch at Satay by the Bay. Experience Singapore hawker food surrounded by lush greenery before a beautiful waterfront. Lunch at your own expense (Singapore $ required).

REGISTRATION FORM

59th MEETING OF THE
SOCIETY FOR THE HISTORY OF TECHNOLOGY

Singapore • 22–26 June 2016

PAPER REGISTRATION FORM

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

Sorry, but for security reasons we CANNOT process paper registrations sent by email.

Please PRINT CLEARLY to avoid delays in processing your registration.

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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) _____

HOTEL PLANS

At this time, where are you planning to stay? *(Please note that SHOT is collecting this data <u>solely</u> for planning purposes and that you need to make your own hotel reservations.)*

_____ **The Grand Copthorne Waterfront**   _____ **with family or friends**

_____ **Tembusu College**   _____ **at home (I'm local)**

_____ **another hotel**

Conference attendees have 3 registration options this year: paper, online, or on-site.

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1. PAPER (MAIL-IN) REGISTRATION (through 15 May 2016*)

To register via mail, check the appropriate box below, fill out the remaining pages of this form, and mail it to the address listed on the previous page. Do not return the form via email!

☐ SHOT member   US$150**

☐ SHOT member underemployed scholar/retired   US$125**

☐ SHOT student member   US$100**

☐ Non-SHOT member (includes one-year membership)   US$214***

☐ Non-SHOT member student (includes one-year membership)   US$134***

☐ Non-SHOT member underemployed scholar/retired   US$169**
     (includes one-year membership)

☐ Non-SHOT member, non-OECD (includes one-year membership)   US$200***

☐ Fee for attending spouse   US$25

  **   <u>Mail-in registration will close on 15 May 2016. Online registration will remain open until 31 May 2016</u> (at www.historyoftechnology.org). If you miss the mail-in deadline and are unable to register online, you will need to register on-site at the Singapore meeting (for more information, consult the on-site payment schedule and payment options below).

  **   We will verify your membership status, and if your membership is not up-to-date, the difference will either be charged to your credit card or will be billed to you on-site.

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

2. ONLINE REGISTRATION (through 31 May 2016*)

To register online, visit www.historyoftechnology.org and follow the link on the main page. <u>Online registration will close on 31 May 2016.</u>

REGISTRATION, continued

(3) ON-SITE REGISTRATION (21–25 June 2016)

If you miss the mail-in deadline and are unable to register for the conference online, you will need to register on-site. On-site registrations are subject to a US$50 administrative charge, reflected in the prices listed below. <u>Payment on-site must be done via credit card or in cash. All on-site payments, including cash, must be in US$.</u>

☐ SHOT member   US$200**

☐ SHOT member underemployed scholar/retired   US$175**

☐ SHOT student member   US$150**

☐ Non-SHOT member (includes one-year membership)   US$264***

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

☐ Non-SHOT member underemployed scholar/retired   US$219**
   (includes one-year membership)

☐ Non-SHOT member, non-OECD (includes one-year membership) US$250***

TOURS

SHOT Tours

☐ Wednesday, 22 June, 9:00 AM–4:00 PM
Sky and Sea Tour
US$55/person
Lunch at own expense – S$ required
(limited to 39)

_____
(registrant)

_____
(name of accompanying person)

☐ Thursday, 23 June, 12:30 PM–4:30 PM
Gardens by the Bay Tour
US$35/person
(limited to 39)

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:30 PM–4:45 PM
Tiger Breweries Tour
US$25/person
(limited to 39)

_____
(registrant)

_____
(name of accompanying person)

☐ Saturday, 25 June, 9:00 AM–3:15 PM
Livable City Tour
US$20/person
Lunch at own expense – S$ required
(limited to 39)

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 8:45 AM–3:30 PM
Water Technology Tour
US$10/person
Lunch at own expense – S$ required
(limited to 39)

_____
(registrant)

_____
(name of accompanying person)

EVENTS

SHOT Events

☐ Wednesday, 22 June, 6:00 PM–8:00 PM
Opening Plenary Reception
US$15/person

_____
(registrant)

_____
(name of accompanying person)

☐ Saturday, 25 June, 6:00 PM–9:00 PM
Annual Awards Banquet
US$45/person

_____
(registrant)

_____
(name of accompanying person)

*If you have special dietary requirements, please contact us at shotsec@auburn.edu as soon as possible.

Special Events

☐ Thursday, 23 June, 11:30 AM–1:00 PM
Lunch-Time Talk: History of Transportation (hosted by SMART Lab, at CREATE, UTown)
No Charge

_____
(registrant)

_____
(name of accompanying person)

☐ Thursday, 23 June, 8:00 PM–10:00 PM
ArtScience Late Festival, ArtScience Museum, Marina Bay Sands
No Charge

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:00 PM–1:30 PM
Lunch-Time Talk: Topic TBA (hosted by Future Cities Laboratory, at CREATE, UTown)
No Charge

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 7:30 PM–9:00 PM
TechnoHistory on Screen TC Reading Room, UTown)
No Charge

_____
(registrant)

_____
(name of accompanying person)

SIG EVENTS

☐ Thursday, 23 June, 11:30 AM–1:00 PM
SIG Mixer, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:00 PM–1:30 PM
WITH Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:00 PM–1:30 PM
SIGCIS Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:00 PM–1:30 PM
Albatrosses Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Friday, 24 June, 12:00 PM–1:30 PM
SMiTInG Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Saturday, 25 June, 12:00 PM–1:30 PM
EDITH Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Saturday, 25 June, 12:00 PM–1:30 PM
Envirotech Lunch Meeting, UTown

No charge, but attendees need to pick up lunch first, at their own expense (in S$).

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 9:00 AM–10:30 AM
All-SIG Plenary, UTown

US$5 per person

_____
(registrant)

_____
(name of accompanying person)

SIG EVENTS, continued

☐ Sunday, 26 June, 11:00 AM–5:00 PM
SIGCIS Sunday Meeting
US$10 per person
(does not include lunch — S$ required

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 11:00 AM–1:00 PM
Prometheans Sunday Meeting
US$5 per person

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 11:00 AM–1:00 PM
EDITH Sunday Meeting
US$5 per person

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 11:00 AM–1:00 PM
WITH Sunday Meeting
US$5 per person

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 11:00 AM–1:00 PM
Albatrosses Sunday Meeting
US$5 per person

_____
(registrant)

_____
(name of accompanying person)

☐ Sunday, 26 June, 2:00 PM–5:00 PM
Prometheans-WITH Joint Sunday Meeting
US$5 per person

_____
(registrant)

_____
(name of accompanying person)

REGISTRATION, continued

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.

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.

REFUND POLICY
Until 1 May 2016:

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

Between 1 May and 31 May 2016:

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

After 31 May 2016:

No refunds.

CONFERENCE HOTEL IN SINGAPORE

Our main hotel for the 2016 conference is the Grand Copthorne Waterfront:

392 Havelock Rd, Singapore 169663

+65 6733 0880

enquiry.gcw@millenniumhotels.com

www.millenniumhotels.com.sg/grandcopthornewaterfront

The Grand Copthorne Waterfront is located approximately 9.4 kilometers from UTown, about a 15 minute ride by taxi. Busing between the Grand Copthorne and UTown will be provided in the mornings and afternoons as well, per the schedule printed elsewhere in this newsletter. Our rate is S$260 for a single, S$300 for a double, and S$400 for a triple, plus tax (17%). As of 2 March 2016, these rates worked out to $186 plus tax for a single, $214 plus tax for a double, and $286 plus tax for a triple – comparable to the rates we will see at the 2017 conference in Philadelphia.

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 2019, so we are seeking institutions willing to host a meeting in 2020 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 2016.**

Please direct inquiries to the Sites Committee chair, Jeff Schramm (Missouri University of Science and Technology), at schrammj@mst.edu.

Locations and Dates of Future SHOT Meetings:

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

2017   26–29 October, Philadelphia, Pennsylvania

2018   11–14 October, St. Louis, Missouri

2019   dates TBA, Milan, Italy

SHOT Newsletter
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