

2023

SOCIETY FOR THE HISTORY
OF TECHNOLOGY

**PROGRAM
ANNUAL MEETING**

LOS ANGELES (CALIFORNIA)
26-29 OCTOBER

A large, multi-story brick building with many windows is in the background. In the foreground, there is a brick and stone sign for USC University of Southern California. The sign has a crest on the left and the text 'USC University of Southern California' in the center. There are some bushes and a person in a red shirt on the left side of the image. A tall black lamppost is on the right side.

USC University of
Southern California

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CONFERENCE ORGANIZATION

Program Committee

Jethron Akallah, Chair
Josh Grace, Associate Chair
Bess Williamson
Diana Montaña
Itty Abraham

SHOT Organizing Team

SHOT Secretariat
Jan Korsten (Secretary)
Sonja Beekers (Assistant)
Henk Treur and Jeroen Carbaat (Support Staff)

SHOT Officers

Gabrielle Hecht (President)
Debbie Douglas (Vice President)
Amy Bix (Treasurer)

Special thanks to:

Alina Bykova, Matthew Wisnioski, Lesli Montgomery, Dean Schultheiss, and our volunteer staff for helping us to organize this meeting.

Brenda L. Mendoza and Aro Velvet of University of Southern California for making the meeting in the USC Hotel possible.

Staci Samadani, Robert Trano, Yareli Lopez, and Jane Gollayan of the USC Hotel for their patience and support.

The Society for the History of Technology gratefully acknowledges the following sponsors, publishers and supporters. We thank them for their generosity and support:

AIP	Linda Hall Library of Science, Engineering and Technology
B and B Stern Foundation Inc.	MIT Press
CIFAR	The University of Chicago Press
Eindhoven University of Technology	University of Southern California (USC)
Foundation for History of Technology	USC Hotel
Hagley Museum and Library	
Johns Hopkins University Press	

THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

The Society for the History of Technology (SHOT) was formed in 1958 to encourage the study of the development of technology and its relations with society and culture. As an interdisciplinary organization, SHOT is dedicated not only to the history of technological devices and processes, but also to the relationships of technology with politics, economics, labor, social change, business, the environment, public policy, science, and the arts and humanities.

In addition to professional historians and museum curators, SHOT members include practicing scientists and engineers, anthropologists, librarians, political scientists, and economists. SHOT meets annually and also jointly sponsors smaller conferences focused on more specialized topics of common interest with other scholarly societies and organizations.

Technology and Culture, a quarterly journal, is published by the Johns Hopkins University Press for the Society for the History of Technology. In addition, SHOT publishes e-newsletter, and, with Johns Hopkins University Press the book series, *Historical Perspectives on Technology, Society, and Culture*. For further information about the Society visit our website: <http://www.historyoftechnology.org>.

SHOT Officers 2023

President:	Gabrielle Hecht
Vice President:	Debbie Douglas
Secretary:	Jan Korsten
Treasurer:	Amy Bix
Editor of Technology and Culture:	Ruth Oldenzel

SHOT Executive Council 2023

Angel Callahan
Hyungsub Choi
Eric S. Hintz
Arwen Mohun, Past President
Teasel Muir-Harmony
Tiago Saraiva
Sonja D. Schmid
Ashley Shew
Bucky Stanton, Graduate Student Representative
Ksenia Tatarchenko
Matt Wisnioski

SECRETARY'S NOTE

Organizing the 2023 SHOT Annual Meeting was – to say the least – challenging. Finding an alternative location one month before the conference that was not involved in the ongoing labor dispute was not easy. But we succeeded in finding an alternative venue to hold our annual meeting in person! Not in Long Beach but in Los Angeles. The University of Southern California generously agreed to host the entire meeting with no charge for the meeting space in the USC Hotel. We are extremely grateful to USC for making this possible on such short notice!

This year's program is the result of the hard work of our Program Committee. On behalf of SHOT, I want to thank committee members Jethron Akallah (Chair), Josh Grace (Associate Chair), Bess Williamson, and Diana Montaña. The Program Committee managed to build an inspiring – partly hybrid – program with research sessions, several presidential roundtables, and an exciting plenary opening. Of course you will be able to celebrate the 2023 award and fellowship recipients, get to know the special interest groups. There is also sufficient time to meet colleagues and friends again and to browse to the book exhibit.

SHOT is an open and friendly organization. You are welcome to sit in on the Executive Council's deliberations on Thursday, and you are also invited to attend our Community Meeting on Friday. There we will share information about recent activities and future plans. Also the result of the 2023 SHOT Elections will be announced. Please bring your questions and great ideas.

I also want to thank Gabrielle Hecht, Amy Bix, Debbie Douglas, Sonja Beekers, Jeroen Carbaat, Alina Bykova, Dean Schultheiss, Henk Treur, Lesli Montgomery, Matthew Wisnioski and our onsite volunteers, for their assistance in organizing the annual meeting. Finally, I also want to thank the staff of the USC Hotel. This is going to be a special meeting and SHOT owes you all a debt of gratitude for all your hard work!

I wish you a pleasant, inspiring, fruitful, and above all healthy meeting! Make sure to take care of the health of others and wear a face mask during the conference.

Jan Korsten
SHOT Secretary

COVID POLICY

SHOT prides itself on solidarity and remains committed to protecting its community from exposure to Covid-19. We are especially concerned to protect those with existing health vulnerabilities, while noting that long covid has ravaged people who were previously fully nondisabled. SHOT requires everyone to have updated vaccines and to mask in indoor conference spaces, including when presenting a paper. We'll have a limited number of masks available; please plan to bring your own.

OVERVIEW OF EVENTS AND ACTIVITIES

Thursday 26 October 2023

9:00AM-2:00PM	Executive Council Meeting (open to all members)	Victory A
3:00PM-4:30PM	<i>Technology & Culture</i> Contributing Editors Meeting	Victory A
3:00PM-4:30PM	Roundtable: How Fear and Promises Shape Technological Governance and Possibility	Champions A
5:45PM-7:30PM	Opening Plenary: From Archives to Genealogies: Problematizing Technology and Modernity	Grand Ballroom Center
7:30PM-9:00PM	Opening Reception (pre-registration requested)	McKay's Main Dining Room

Friday 27 October 2023

7:00AM-8:00AM	First time attendees & students meet SHOT officers for breakfast and conversation (pre-registration required)	Victory A
7:00AM-8:30AM	Hybrid Sessions	Various rooms + online
8:00AM-6:00PM	Registration Desk	
8:00AM-7:30PM	Book Exhibit	Galleria
8:45AM-10:15AM	Session Block 1	Various rooms
10:15AM-10:45AM	Break	Galleria and Breezeway
10:45AM-12:15PM	Session Block 2	Various rooms

12:15PM-2:15PM	Lunch break (lunch not included)	Participants on their own
12:15PM-2:15PM	Lunch Meetings: - SHOT's Gathering of Elders (SAGE) Lunch Meeting - SIGCIS Lunch Meeting - SMITInG Lunch Meeting - WITH Lunch Meeting - Africa Scholars Lunch Meeting	Locations to be announced (see website/announcements)
2:15PM-3:45PM	Session Block 3	Various rooms
3:45PM-4:15PM	Break	Galleria and Breezeway
4:15PM-5:45PM	Session Block 4	Various rooms
6:00PM-7:30PM	Community Meeting: Creating & Maintaining SHOT's Future	Hotel 1880
8:30PM-...	Grad Student Mixer	Location to be announced

Saturday 28 October 2023

7:00AM-8:30AM	Online session: Publishing Journal Articles (presidential session)	Online (see website for link)
7:00AM-8:30AM	Hybrid Session: Flexible Mobility Landscapes in Africa	Champions A + online
8:00AM-6:00PM	Registration Desk	
8:00AM-7:30PM	Book Exhibit	Galleria
8:45AM-10:15AM	Session Block 5	Various rooms
10:15AM-10:45AM	Break	Galleria and Breezeway

10:45AM-12:15PM	Session Block 6	Various rooms
12:15PM-2:15PM	Lunch break (lunch not included)	Participants on their own
12:15PM-2:15PM	Lunch Meetings: - EDITH Lunch Meeting - Asia Network Lunch Meeting - Mercurians & Jovians Lunch Meeting	Locations to be announced (see website/announcements)
2:15PM-3:45PM	Session Block 7	Various rooms
3:45PM-4:15PM	Break	Galleria and Breezeway
4:15PM-5:45PM	Session Block 8	Various rooms
6:00PM-8:00PM	SHOT Awards and Fellowships Event and Reception	Hotel Grand Ballroom Center + McKay's Main Dining Room

Sunday 29 October 2023

9:00AM-11:00AM	Albatrosses Sunday Morning Meeting	Champions A
9:00AM-12:30PM	Prometheans Sunday Morning Meeting	Champions B
9:00AM-13:00PM	EDITH and WITH Sunday Morning Workshop	Victory A

SESSION SCHEDULE SHOT ANNUAL MEETING

Version 19 October 2023 (please check online for any updates)



Conference Venue

We meet near downtown Los Angeles at the on-campus hotel of the University of Southern California.

USC Hotel
3540 S Figueroa Street
Los Angeles CA 90007
United States
Telephone: 1-833-22665872
<https://uschotel.usc.edu/>

Hybrid and Fully Online Sessions

Links to the Zoom meeting rooms will be available in the online program that will be posted Sunday 22 October.

Thursday, 26 October 2023

9:00 AM – 2:00 PM:

Executive Council Meeting (*open to all members*)

Room: Victory A

Thursday, 26 October 2023

3:00 PM – 4:30 PM:

T&C Contributing editors meeting

Room: Victory A

Organizer and Chair: **Dick van Lente** (Book Review Editor Technology & Culture)

(Closed meeting)

T1: How Fear and Promises Shape Technological Governance and Possibility (Roundtable)

Room: Champions A

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

Moderator: **Yulia Frumer** (Johns Hopkins University)

Panelists

Amy Bix (Iowa State University)

Gloria Calhoun (Georgia Tech)

Arthur Daemrich (Arizona State University)

Jeremy Green (Johns Hopkins University)

Andrew Meade McGee (National Air & Space Museum)

Aaron Mendon-Plasek (Yale Law School)

Thursday, 26 October 2023

5:45 PM – 7:30 PM

Opening Plenary

Room: Grand Ballroom Center + live stream

Welcome by SHOT President Gabrielle Hecht (Stanford University)

From Archives to Genealogies: Problematizing Technology and Modernity (Presidential Session)

Organizer and chair: **Itty Abraham** (Arizona State University)

Lindsey Smith (Arizona State University)

Jethron Akallah (Maseno University)

Gabriela Soto Laveaga (Harvard University)

Jaakko Suominen (University of Turku)

Alexandra Osorio (TU Darmstadt)

Thursday, 26 October 2023

7:30 PM – 9:00 PM

Opening Reception

Room: McKay's Main Dining Room

(Pre-registration required to avoid food waste)

The Opening Reception is supported by the B and B Stern Foundation Inc, in honor of the **Melvin Kranzberg Legacy**

Friday, 27 October 2023

7:00 AM – 8:00 AM

First Attendees & Students meet SHOT Officers for Breakfast and conversation.

Room: Victory A

(Pre-registration required to avoid food waste.)

Friday, 27 October 2023

7:00 AM – 8:30 AM

FH1: Researching gender in the history of the Internet and the Web (Roundtable)

Room: Champions A - Hybrid Session

Organizers: **Janet Abbate** (Virginia Tech), **Autumn Edwards** (Western Michigan University), **Leopoldina Fortunati** (University of Udine), and **Valérie Schafer** (University of Luxembourg)
Chairs: **Janet Abbate** (Virginia Tech) and **Autumn Edwards** (Western Michigan University)
Commentators: **Leopoldina Fortunati** (University of Udine) and **Valérie Schafer** (University of Luxembourg)

Panelists

Chinar Mehta (University of Hyderabad)
Laine Nooney (New York University)
Cassius Adair (The New School, Department of Media Studies)
Avery Dame-Griff (Gonzaga University)
Deena Larsen (Independent Scholar) (virtual only)

FH2 Children, adults, and nuclear fear, 1945-2002

Room: Hotel 1880 - Hybrid Session

Organizer and Chair: **Dick van Lente** (Eindhoven University of Technology)
Commentator: **Jaehwan Hyun** (Pusan National University)

Presenters

Laura Ciglioni (University of Rome): Children, adults and nuclear fear in Italy, 1945-1985
Tiia Sahrakorpi (Aalto University): Exploring Finnish emotional histories of nuclear fear and anxiety: an oral history
Dick van Lente (Eindhoven University of Technology): Dutch pedagogues and writers on how to help children grow up in a world threatened by nuclear destruction, 1980s

Friday, 27 October 2023

8:45 AM - 10:15 AM

FH3: Exploitation of Nuclear Energy: Scientific Discoveries & Political Conflicts

Room: Champions A - Hybrid Session

Organizer: **Baisakhi Bandyopadhyay** (The Asiatic Society Kolkata India)
Chair: **Somaditya Banerje** (Austin Peay State University)

Presenters

Baisakhi Bandyopadhyay (History of Science, the Asiatic Society, Kolkata): India's Road to Utilization of Nuclear Energy Post Pokhran Explosion
Tom Kelsey (University of Oxford): Whitehall's Atomic Scepticism: rethinking nuclear power policy in post-war Britain

Kapil Patil (Friedrich-Alexander University of Erlangen-Nuremberg): The IAEA, Atomic Energy Promotion, & the Conflicts around Safety Standards

Sk Maidul Rahaman (Kazi Nazrul University, Asansol): Nuclear science and nuclear energy: Two peripheral aspects of post Independent India's Mission

FH4: Revisiting Lisa Krohn's Cyberdesk (1993), a cyberfeminist concept model (Roundtable)

Room: Hotel 1880 - Hybrid Session

Organizers: **Jessica Walthew** and **Sarah Barack** (Cooper Hewitt Smithsonian Design Museum)

Moderator: **Sarah Barack** (Cooper Hewitt Smithsonian Design Museum)

Commentator: **Isabelle Held** (Smithsonian Postdoctoral Fellow, NASM, NMAH, CHSDM)

Panelists

Jessica Walthew (Cooper Hewitt Smithsonian Design Museum)
Cynthia Trope (Cooper Hewitt Smithsonian Design Museum)
Michelle Barger (SFMOMA)
Jennifer Dunlop Fletcher (SFMOMA)
Lisa Krohn (Krohn Design)

Reverse engineering is society made legible

Online only via Zoom - link will be posted in the online program

Organizer and Chair: **Ezra Teboul** (McGill University CIRMMT)

Commentator: **Collette Perold** (University of Colorado)

Presenters

Veronica Uribe (UC San Diego): Reverse Engineering within ISI Models of Development: The Mexican Computer Program (1979-1990)

Ezra Teboul (McGill University CIRMMT): Reverse engineering in electronics history

Ingrid Burrington (University of Delaware): Shipping manifest destinies: reverse engineering mineral supply chains of mid-twentieth century electronics

Matthew Hockenberry (Fordham University): Limits of Platform: Retrogaming, Glitch Hunting, and the Archaeologies of Speed Running

F1: Early Career Workshop - Session - I

Room: Victory A

Organizer: **Early Career Interest Group (ECIG)**

Chair: **Jason Ludwig** (Cornwell University)

Presenters:

Jordan Ali (Cornell University): “Empire Online: How the US Government Reterritorialized Cyberspace after 9/11”

Dina Pfau (Deutsches Museum München/ University of Luxembourg): “Behind the Scenes: A History of Computer Vision in West Germany”

Marco Trigoso (University of Massachusetts): “The role of influencers in developing neoliberalism”

F2: Techno-bodies from near and far: particularity, situatedness and infrastructures - I

Room: Champions B

Organizer: **Jan Müggenburg** (Leuphana University Lüneburg)

Chair: **Elizabeth Petrick** (Rice University)

Commentator: **Christina Vagt** (University of California)

Presenters

Barbara Hof (University of Lausanne): A bottom-up governance process? The OECD’s planning of the computerized future

Benjamin Prinz (University of Weimar): How dairy equipment got the blood whirling: The construction of artificial lungs from cream separators around 1935 (pre-recorded)

Jan Müggenburg (Leuphana University Lüneburg): “Assistive Technologies” and the infrastructures of Dis/Ability: Gaze Control in Augmentative and Alternative Communication (AAC) around 1990

F3: Innovation for the Imperial Endgame: Technology, Infrastructure, and the Dynamics of Empires at their Apex, 1920s-1940s

Room: 203

Organizer: **Andrew Denning** (University of Kansas)

Chair: **Aro Velvet** (University of Southern California)

Presenters

Andrew Denning (University of Kansas): Automotive Empire as Transimperial Form and Imperial Era in Interwar Africa

Karen Miller (LaGuardia Community College/CUNY Graduate Center): The Technologies of Internal Migration and Colonial Capitalism in the Interwar Philippines

Andreas Greiner (German Historical Institute, Washington): Cooperation and Competition in the Air: Imperial Airlines en route to the Far East

Kento Yokoi (University of Tokyo): Military Radio as “Technopolitics” and Japanese Imperialism – Southern Operations by the Japanese Navy in the Pacific War

F4: Money Machines: The Political Economy of Computational Media

Room: 205

Organizer and chair: **Colette Perold** (University of Colorado Boulder)

Presenters

Laine Nooney (New York University): “What If?”: VisiCalc, Spreadsheet Culture, and the Speculative Futures of 1980s America

Jacob Gaboury (University of California, Berkeley): An Image of an Image: Screenshot Cultures Under Control and in Circulation

Jeannette Estruth (Bard College): “The Long Boom”: Industrial Policy and the Personal Computer in the Information Age

Colette Perold (University of Colorado Boulder): Plastic Labor: Union Strategy at the Dawn of Personal Computing

F5: Risk and Safety

Room: 207

Chair: **Arwen Mohun** (University of Delaware)

Presenters

Matthew Hersch (Harvard University): Crusaders and Demons: Naval Aviation in an Age of Uncertainty

Minseok Jang (University at Albany (SUNY)): Testing Fires: Fire Tests and the Early Petroleum Industry in the Anglo-American World, 1859-1914

Alexander Parry (Johns Hopkins University): Tested and Approved? The Good Housekeeping Institute and the Debate over Corporate Consumer Product Testing, 1910-1951

F6: Technologies, Industries, and Economic Change - I

Room: 210

Chair: **Richard Hirsh**

Presenters

Christopher Neumaier (Leibniz Centre of Contemporary History (ZZF) Potsdam): The Quest for Efficiency: Automation, Group Work, and the West German Automotive Industry, 1970s-1990s

Glenn Bugos (Moment LLC): The Fremont auto assembly plant as a logistics hub, 1963-2020

Friday, 27 October 2023

10:45 AM – 12:15 PM

FH5: Presidential Session: “Epistemic Diversity in the History of Technology and Beyond: A Roundtable Discussion”

Room: Hotel 1880 - Hybrid Session

Organizers: **Sonja D. Schmid** (Virginia Tech) and **Jason Ludwig** (Cornell University)

This Presidential Panel brings together individuals in disciplines related to the history of technology, whose work interrogates histories of racism, discrimination, and exclusion in relation to technology, and who have sought to advance diversity and equity within their own fields. Panel members will discuss how attention to histories of inequality have shaped their analytic and conceptual toolkit, how their work might intersect with histories of technology, and what kinds of infrastructures are required to support this work, and to encourage collaboration with members of the SHOT community.

The panel is organized by members of SHOT’s Committee on Racial Equity, Diversity, and Inclusion (REDI), which aims to address systemic and epistemic racism at SHOT and in the global intellectual field it represents.

Panelists

Brooke Coley, Engineering, Arizona State University

Aimi Hamraie, Medicine, Health, and Society, Vanderbilt University

Serena Oduro, Data and Society, New York

Freddy Paige, Civil and Environmental Engineering, Virginia Tech

Aditi Verma, Nuclear Engineering, University of Michigan

FH6: Cybernetics, or the perils of futures past

Room: Champions A - Hybrid Session

Organizer, Chair and Commentator: **Peter Krapp** (University of California, Irvine)

Presenters

Paul Pangaro (Carnegie Mellon University): Cybernetics and Design: #NewMacy Conversations for Action

Claus Pias (Leuphana University Lüneburg): The Future of “Computers and Communication,” ca. 1970

Ensar Temizel (Carnegie Mellon University): ARCHITRAINER: An Interactive Machine at the Intersection of Architecture, Cybernetics, Psychology and Technology

Cem Ismail Addemir (University of California, Irvine): Beyond the Mechanical Atatürk

F7: Global Perspectives on Technologies of Risk and Safety

Room: Victory A

Organizer and Chair: **Jan Hua-Henning** (Duke Kunshan University)

Commentator: **Arwen Mohun** (University of Delaware)

Presenters

Jan Hua-Henning (Duke Kunshan University): Selling the Fire-Free City: International Fire Exhibitions, 1878-1904

Jaehwan Hyun (Pusan National University): Even before Knowing the Risk: Barbers’ Sanitary Masks and Risk Knowledge in Colonial Korea

Peter Soppelsa (University of Oklahoma): Multispecies Risk and the Shift from Rat War to Rat Control

F8: Rethinking Roads: Histories of Exclusion, Resistance, and Appropriation

Room: Champions B

Organizer: **Mario Peters** (German Historical Institute Washington)

Chair and Commentator: **Thomas Zeller** (University of Maryland, Department of History)

Presenters

Amanda K. Philips de Lucas (University of Baltimore): Parks Over People: Parkland Preservation, Environmental Protection, and Urban Interstates

Douwe Schipper (Johns Hopkins University): Divided Activism: Infrastructural Outcomes and the Amelissewerd Highway Fights, 1970s-1980s

Mario Peters (German Historical Institute Washington): Toward a More Nuanced History of a Very Long Road: The Pan-American Highway, 1923-1941

F9: Embodying and Gendering Latin American Technocultural Worlds

Room: 203

Organizer: **Yovanna Pineda** (University of Central Florida)

Chair: **Diana Montaña** (Washington University in St. Louis)

Presenters

Pete Soland (Southeast Missouri State University): Conquistadores del Cielo: Masculinity, Aesthetics, and the Aviator Celebrity in Latin America

David Dalton (University of North Carolina at Charlotte): Eugenics, Artificial-Selection, and Aesthetics: Deconstructing Gender and the Family Unit in Eduardo Urzaiz’s Eugenia

Yovanna Pineda (University of Central Florida at Orlando): Gendered Aesthetics of Argentine Industry and Labor in Visual Arts, 1868-1928

Yohad Zacarías (University of Texas at Austin): “Chispita te aconseja”. Energy Aesthetics and Neoliberal visions in Chile (1968-1990)

F10: Standards-in-Use

Room: 205

Organizer and Chair: **Lee Vinsel** (Virginia Tech)

Presenters

Liat Spiro (College of the Holy Cross): “Power Conveyance: Afterlives of Géométrie Descriptive in the United States and Central Europe, 1815-1873”

Stephen Mihm (University of Georgia): Constructing Codes: Meta-Standards and Technological Systems in the United States

Ella Coon (Columbia University) - *ROBINSON PRIZE CANDIDATE*: Control Data’s Production of IBM Plug-Compatible Computer Peripherals behind the Iron Curtain—Market Power as Standard-Setting?

F11: Working in, with and against the machines: historic trajectories of automation

Room: 207

Organizer: **Roger A. Soeraa** (NTNU)

Chair and Commentator: **Christopher Kelty** (University of California, Los Angeles)

Warren Sack (University of California, Santa Cruz): Computation and the operations of work

Roger A. Soeraa (NTNU: Norwegian University of Science and Technology): Bias in the labor market perpetuated by automation

Shota Vashakmadze (University of California, Los Angeles): Labor Politics for the Job Captain, or How to Organize Your Computer-Aided Office

Mark W. Kharas (NTNU: Norwegian University of Science and Technology): Historical perceptions of the automation of work

F12: Surveillance, Rights, and Technological Governance - I

Room: 210

Chair: **Paul N. Edwards** (Stanford University)

Presenters

Benedict Olgado (University of California, Irvine): Homo Documentators and the Human Rights Database

Nikhil Dharmaraj (Harvard College) - *ROBINSON PRIZE CANDIDATE*: The Digital Afterlives of Brahminical Colonialism: Biometric Surveillance, Facial Recognition Technology, & AI Ethical Complicities in India, 1858-2022

Nelson Ribeiro (Catholic University of Portugal): Installing a Retransmission Center in a Fascist Country to Counter Communism: the case of Radio Free Europe in Portugal (pre-recording)

F13: Models of modern technological change: a global perspective - I

Room: 212

Organizer: **Francisca Valenzuela-Villaseca** (King’s College London)

Chair: **Samaa Elimam** (University of California, Los Angeles)

Presenters

Edisson Aguilar Torres (King’s College London) - *ROBINSON PRIZE CANDIDATE*: ‘Fighting windmills.’ The Critiques of Diffusionism in the Global History of Technology

Benjamin Kodres-O’Brien (Columbia University): What’s the Use?: Industrial Electricity Consumers as Agents of Change

Shankar Nair (King’s College London): Producing the Periphery: Imperialism and Technological Change in the Historiography of Technology

Francisca Valenzuela-Villaseca (King’s College London): ‘Diffusionism,’ imported technology, and the historiography of technology in Latin America

Friday, 27 October 2023

12:15 PM - 2:15 PM Lunch break

Special Interest Group Lunch Meetings (Locations TBA) (pre-registration requested)

- **SHOT’s Gathering of Elders (SAGE) Lunch Meeting**
- **SIGCIS Lunch Meeting**
- **SMiInG Lunch Meeting**
- **WITH Lunch Meeting**
- **Africa Scholars Lunch Meeting**

Friday, 27 October 2023

12:30 PM - 2:00 PM Lunch Time Sessions

FH7: Technology and Literature

Room: *Champions A - Hybrid Lunch Session*

Chair: **Lisa Parks** (UCSB)

Presenters

Mario Ramirez-Arrazola (University of Oklahoma): Infrastructural Madness in Allan Sekula’s Fish Story (1989-1995)

Kaitlyn Smith (Georgia Institute of Technology): “Haunted Mills: Emergent Technologies as Horror and Protest in the Southern Gothic”

Margie Borschke (University of Sydney): The most important book never written: a media history of Saul Kripke’s scholarly szamizdat.

Friday, 27 October 2023

2:15 PM – 3:45 PM

FH8: When is Race a Technology?

Room: *Champions A - Hybrid Session*

Organizer: **Jason Ludwig** (Cornell University)

Chair and Commentator: **Taylor Moore** (University of California Santa Barbara)

Presenters

Edward Jones-Imhotep (University of Toronto): Joseph Burton’s Room: History, Imagination, and the Black Technological Underground

Jonathan Givan (Rensselaer Polytechnic Institute): Stress Testing the Blues

Kelcey Gibbons (Massachusetts Institute of Technology): Remember our future: James C. W. Pennington and Historians of Black Technology.

Jason Ludwig (Cornell University): Ghost in the Machine: Race and Data in the United States Employment Service, 1933-1980

FH9: Risky Business: Technologies Measuring, Mitigating, and Marketing Risk

Room: *Hotel 1880 - Hybrid Session*

Organizer: **Devin Kennedy** (University of Wisconsin–Madison)

Chair: **Alma Steingart** (History, Columbia University)

Presenters

Yue Zhao (STS, Cornell University): In Sync with the System: Biorhythms and the Calculation of Risky Bodies in China, 1979-1999

Devin Kennedy (History, University of Wisconsin–Madison): NonStop: Catastrophe and the Always-on Economy, 1976-1993

Eli Nelson (American Studies, Williams College): Risk and Records at the End of the World

Mar Aidinoff and **Gili Vidan** (Southern Studies, University of Mississippi; Information Science, Cornell University): Muddling Through: Making Risk Manager and the Problems of Public Policy

F14: Historian as Archivist: Honoring Sheldon Hochheiser (AT&T Archives and History Center)

Room: 203

Organizer and Chair: **Mara Mills** (New York University)

Commentator: **Sheldon Hochheiser** (AT&T Archives and History Center)

Presenters

Emily Thompson (Princeton University): The Texture of Technical Work

Ronald Kline (Cornell University): “Behind the Scenes of the Simultaneous Invention of Information Theory” (pre-recorded)

Xiaochang Li (Stanford University): “An Imaginary Spectrograph”: On the Emergence of Speech Recognition at AT&T Bell Laboratories

F15: Imperial Machinery and Techno-Orientalism

Room: 205

Organizers: **Setsuko Yokoyama** (Singapore University of Technology and Design) and Clare Kim (University of Illinois at Chicago)

Chair: **Frank Mondelli** (University of Delaware)

Presenters

Clare Kim (University of Illinois at Chicago): Norbert Wiener’s ‘Yellow Peril’: Race and Cybernetics in the Pacific War

Long Bui (University of California, Irvine): Considering Global Histories of Technology through the Asian Automaton

Setsuko Yokoyama (Singapore University of Technology and Design): From Turtle Island to Taiwan: Imagined Use of Visible Speech as a TransPacific Colonial Tool

Theodora Dryer (New York University): Cloud Seeding as Imperial Machinery

F16: “It can happen here”: How Fear and Promises Shape Technological Governance and Possibility

Room: 207

Chair and Commentator: **Arthur Daemmrich** (Arizona State University)

Presenters

Amy Bix (Iowa State University): “Everything Old Is New Again? Concerns over Rapid Technological Changes and Social Destabilization”

Gloria Calhoun (Georgia Tech): “The Underground Question”

Jeremy Greene (Johns Hopkins University): “The Medium of Care is Never Neutral”

F17: Roots, fruits, and trees in transit: Transnational flows of plants and knowledge

Room: 210

Organizer: **John Krige** (Georgia Tech)

Chair: **Maria Paula Diogo** (Nova University of Lisbon)

Commentator: **John Krige** (Georgia Tech)

Presenters

Tiago Saraiva (Drexel University): Longue Durée Travels of Manioc across the South Atlantic: Empires, State and Maroons

David Fedman (University of California at Irvine): To Bring Beppu to Borneo: The Paper Company and its Scientific Mission to Southeast Asia, 1933-1942

Helen Curry (Georgia Tech): Imperial Potatoes in a Transnational Frame

Erinn Campbell (University of Cambridge) - ROBINSON PRIZE CANDIDATE: The Anthrax of Orchards? Anticipating the Impacts of Invasive Plant Pests, 1990-2010

F18: Medical Technologies I – Making Things, Producing Knowledge

Room: 212

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

Presenters

Roan Parrish (Virginia Tech) - ROBINSON PRIZE CANDIDATE: Constructing an Electronic Medical Record

Isabela Dornelas (Dep. III, Max Planck Institute for the History of Science): Mending the womb: a history of sutures in obstetrical surgery (Brazil 1904-1955)

Jesudoss Arokiam (L.N. Government College (Autonomous) Tamil Nadu): Jesuit medical works in India 1820-1920: A few historiographical critiques

Herbert Ndomba (University of Dar es Salaam): The influence of covid 19 pandemic on innovations, technological development and material culture in Dar es Salaam, Tanzania

F19: Historical Approaches to AI

Room: Victory A

Chair: **Elizabeth Petrick** (Rice University)

Presenters

John Tinnell (University of Colorado Denver): The Anthropologist of AI: Lucy Suchman on the Limits of Human-Computer Interaction

Henry Osman (Brown University): A Mortal Computer: Neuromorphic Computation and AI Death

Heng Zhang (Nanjing University of Chinese Medicine): The Historical Evolution and Social Function of Intellectual Property Rights and Their Status in the Age of Artificial Intelligence (co-authored)

Aaron Mendon-Plasek (Yale Law School): Why Artificial Intelligence Became Machine Learning: a micro-political history of contemporary decision-making, 1978-1995

F20: Techno-bodies from near and far: particularity, situatedness and infrastructures - II

Room: Champions B

Chair: **Joshua R. Grace** (University of South Carolina)

Presenters

Alex Rewegan (Massachusetts Institute of Technology): The War on Drugs and the Drug Test: A History of Cannabis Testing Technologies in the United States

Che Yeun (Harvard University) - ROBINSON PRIZE CANDIDATE: Foam, Cleanliness, and Modern American Bodies, 1920-1970

Magdalena Zdrodowska (Jagiellonian University): Transition to Sound and the Rise of the Deaf Film Audiences

Chen-Pang Yeang (University of Toronto): Measuring Noise: From Ear-Balance to Self-Registration

Friday, 27 October 2023

4:15 PM – 5:45 PM

FH10: Engineering Environment, Resilience and Longevity (Prometheans Sponsored Roundtable)

Room: Champions A - Hybrid Session

Organizer and Chair: **Ellan Spero** (MIT)

Commentator: **Ryan Hearty** (Johns Hopkins University)

Panelists

Sulfiqar Amir (Nanyang Technological University)

Elena Kochetkova (University of Bergen, Norway)

Meredith Sattler (Cal Poly San Luis Obispo/Virginia Tech)

Ying Jia Tan (Wesleyan University)

FH11: Models of modern technological change: a global perspective – II

Room: Hotel 1880 - Hybrid Session

Organizer: **Francisca Valenzuela Villaseca** (King's College London)

Chair and Commentator: **Shankar Nair** (King's College London)

Presenters

Samaa Elimam (University of California, Los Angeles): Sources of the Nile: A Historiography of Imperial Techniques in the Ottoman-Egyptian Sudan, 1821-81

Meriç Tanik (École de Haute Études en Sciences Sociales): Defining and substantiating “circulation” and “resistance”: agricultural machinery between the Ottoman Empire, Europe, and the United States

Marjan Wardaki (Yale Macmillan Center, Yale University): Decolonial Technologies: German Technik and Muslim Anti-Colonial Spaces in Interwar Berlin

F21: Creating and Contesting Expertise

Room: Victory A

Chair: **Patrick McCray** (UCSB)

Presenters

Jip van Besouw (University of Seville): The integration of engineering and scholarly practices: Cruquius' isobaths

Okala Tsala Silvere Ulrie (University Vincennes -Saint-Denis, IDHES): Anatomy of a technology: the multiplication of cocoa cuttings in French Cameroon (1949-1960)

Teddy Xiang (Independent Scholar): A Task of Rebuilding: The Technology and Labor of Rubber Industry in the 1950-60s China and the Transmission of Soviet Agricultural Knowledge

Juyoung Lee (Johns Hopkins University): 'Paternalism and Charity': Old Boy Network of American Consultants in East Asia during the 1950s

F22: Technology and Performance

Room: 203

Organizer and Chair: **Scott Kushner** (University of Rhode Island)

Presenters

Yulia Frumer (Johns Hopkins University): The Politics of Mise-en-scène Robotics

Zina Wang (University of California, Berkeley) - ROBINSON PRIZE CANDIDATE: Buddha-Chanting Automata

Scott Kushner (University of Rhode Island): Ticketing and the Technologies of Exclusion

Susan Schmidt Horning (St. John's University): Gendered Tools in the Arsenal of Garage Rock, 1950s to Early 1970s

F23: Ethereal Inequality: Empire, Decolonization, and Capitalist Extraction on the Electromagnetic Spectrum

Room: 205

Organizer: **Sarah Nelson** (Leiden University)

Chair: **Lisa Parks** (UCSB)

Sarah Nelson (Leiden University): Ethereal Gold(Rush): Empire, Decolonization, and Global Governance of the Electromagnetic Spectrum

Boyd Ruamcharoen (MIT): Making Waves in the Tropics: North-South Contestations over the Radio Tropical Zone at the International Telecommunication Union

James Schwoch (Northwestern University): Obvious, Insidious, and Undetectable: Jan Oort, Ronald Coase, and the 1950s Origins of Contaminated Passive Collection Data due to Radio Spectrum Auctions

F24: Techno-bodies from near and far: particularity, situatedness and infrastructures – III

Room: 207

Chair: **Isabela Dornelas** (Dep. III, Max Planck Institute for the History of Science)

Presenters

Narcedalia Ramirez (Illinois State University): Electricity and Regulation on Mexican Women's Bodies during the Porfiriato Dictatorship

Juheh Kang (Harvard University): From Numbers to Personhood: How an industrial psychology test defined work, boredom, and personality in 20th century Japan (pre-recording)

Zothan Mawii (University of Maryland): “A Small Family makes a Healthy Nation”: India's Population Control Program

Yeonbo Jeong (Sungkonghoe University): Bodies for National Economic Growth: Reproductive Technology and Birth Control Policies in South Korea

F25: Surveillance, Rights, and Technological Governance – II

Room: 210

Chair: **Nikhil Dharmaraj** (Harvard College)

Presenters

Zehra Hashmi (University of Pennsylvania): Identity and Identification: Technologies of Governance in Postcolonial Pakistan

Michelle Spektor (MIT): Biometric Statecraft, Policing, and Fingerprint Technology in Palestine/Israel, 1920-1948

Nnamdi Nnake (McMaster University) - ROBINSON PRIZE CANDIDATE: Surveillance Technologies in Colonial Nigeria: The Challenges of Communication from the ‘Spot’

F26: Nuclear Things

Room: 212

Chair: **Per Högselius** (KTH Royal Institute of Technology)

Presenters

Alicia Gutting (KTH Royal Institute of Technology): Cooling water war? How Switzerland and Germany peacefully negotiated the Rhine's scarce cooling resources.

Jay Shaw (University of Missouri-Columbia): Nuclear Flight and Cold War Engineering (pre-recorded)

Irina Fedorova (Friedrich-Alexander-Universität Erlangen-Nürnberg): Remediation of radioactive lands: IAEA technical assistance programs in Central Asia

Friday, 27 October 2023

6:00 PM – 7:30 PM

Community Meeting: Creating and Maintaining SHOT's Future

Hybrid Session (Hotel 1880)

Please join us to hear about SHOT's recent activities and future plans. Bring your questions and ideas!

Friday, 27 October 2023

8:30 PM -

Student Mixer

Details will be announced on site.

Saturday, 28 October 2023

7:00 AM – 8:30 AM

Publishing Journal Articles (Presidential Session)

Online session, online participation only (link will be posted in the online program)

Organizers: **Tiago Saraiva** (Drexel University) and Ruth Oldenziel (Eindhoven University of Technology)

More information will be added as soon as possible.

SH1: Flexible Mobility Landscapes in Africa: Situating Technology Adoption, Gender and Everyday Use of Bicycles and Motorcycles

Room: Champions A - Hybrid Session

Organizer: **Jethron Akallah** (Maseno University)

Chair: **Njogu Morgan** (University of Witwatersrand, Johannesburg)

Presenters

Gladys Nyachio (Multimedia University of Kenya): Past present and future: Dynamic of Boda Boda motorcycle transport in Kenya

Uche Okonkwo (University of Nigeria): Raleigh in the historical marketing of a bicycle brand in colonial Nigeria

Livinus Okeke (Imo State University, Owerri): Tricycle ban in Owerri, Southeast Nigeria: A study of an alternative transport system

Jethron Akallah (Maseno University): Flexible technologies for mobility, defiance, and control: Circumventing lockdowns and roadblocks in the face of Covid 19 pandemic in Kenya

Saturday, 28 October 2023

8:45 AM – 10:15 AM

SH2: Technological Expertise, Urban Infrastructures, and Histories of Contestation

Room: Champions A - Hybrid Session

Organizer and Chair: **Aro Velmet** (University of Southern California and University of Tartu)

Presenters

Jan Hansen (Humboldt University of Berlin): Understanding the Meter: Electricity and (In) Formal Expertise in Turn-of-the-Century Los Angeles

T. Halimat Somotan (Auburn University) - *ROBINSON PRIZE CANDIDATE*: Ratepayer Associations and the Making of Urban Infrastructure in Colonial Lagos, Nigeria

Aro Velvet (University of Southern California and University of Tartu): The Factory-City: Cybernetics between Chemical Plants and Transportation Planning in Late Socialist Tallinn
Ademide Adelusi (University of California Riverside): Mapping Freedom, Gender, and Race in the Streets of Nineteenth-Century Lagos.

S1: Early Career Workshop – Session – II

Room: Victory A

Organizer: **Early Career Interest Group (ECIG)**

Chair: **Jason Ludwig** (Cornell University)

Presenters:

Zacharie Boubli (French National Arts and Crafts Conservatory [CNAM]): “Science-fiction and reality : assessing the power of technical imaginaries.”

Richard Bachmann (University of Michigan): “Playing Automaton: An Interactive Mini-Exhibit/ Installation on Workplace Automation”

Jorge Mujica-Urzúa (Pontificia Universidad Católica de Chile/Universidad Bernardo O’Higgins): “Examining the universe from the south: space race, local science, and magazines in Chile in the 1950s and 1960s”

S2: Histories of Emerging Technologies and International Security

Room: 203

Organizer: **Austin Cooper** (Massachusetts Institute of Technology)

Chair and Commentator: **John Krige** (Georgia Institute of Technology)

Presenters

Austin Cooper (Massachusetts Institute of Technology): “Across-the-board collaboration in underground testing”: French Requests to Washington, Nuclear Autonomy, and Nonproliferation

Aaron Bateman (George Washington University): Sovereign Communications East of Suez: Britain’s Skynet Satellite Network and Anglo-American Relations in the Shadow of Empire

Alison McManus (Johns Hopkins University) Sophistry and Hope: Mobilizing Narratives of Chemical Weapons Restraint at the Dawn of the Atomic Age

S3: From the Post Office to Posting Online: Building Marginalized Community across Shifting Technological Platforms

Room: 205

Organizer and Chair: **Bo Ruberg** (University of California, Irvine)

Presenters

Avery Dame-Griff (Gonzaga University): “Who Moderates a Moderator?:” FidoNet, Content Moderation, and Shared Governance

Zizi Li (University of California, Los Angeles): Amazon Delivery Workers as Social Media Content Creators

Mel Monier (University of Michigan) - ROBINSON PRIZE CANDIDATE: Exploring Trans BIPOC Users’ Experiences with TikTok

Bo Ruberg (University of California, Irvine): Sex by Mail: Mid-Twentieth-Century U.S. Correspondence Clubs as Technologies for Forming LGBTQ Community

S4: The Nuclear-Water Nexus

Room: 207

Organizer and Chair: **Per Högselius** (KTH Royal Institute of Technology)

Presenters

Per Högselius (KTH Royal Institute of Technology): Introducing the Nuclear-Water Nexus
Siegfried Evens (KTH Royal Institute of Technology): The Sisyphean Risk: Governing Corrosion in Nuclear Power Plants

Heather Williams (Pomona College): SONGS of the Southland: A History of Nuclear Energy and Water in Southern California

Victor McFarland (University of Missouri): The Waters of Project Plowshare: Hydraulic Engineering and Fracking with Nuclear Explosives

S5: Infrastructure, Nationalism, Development (AP-10)

Room: 210

Chair: **Ruth Schwartz** Cowan (University of Pennsylvania)

Presenters

Howard Spencer (Signature Safety): Historic & Cultural Importance of the Hawks Nest, WVA Tunnel Project

Zhongtian Han (Buffalo University) - ROBINSON PRIZE CANDIDATE: Radio Technology and the Chinese Communist Party’s Information Infrastructure: Strategy, Technology, and Culture, 1927–1936

Sudipto Basu (Concordia University (Montreal)): Leapfrogging Modernity: Satellite Instructional Television Experiment (SITE) and Cold War Developmentalism in India

S6: Teaching history of technology: experiments, innovative methods, and approaches

Room: Champions B

Organizers: **Valérie Schafer** (C2DH, University of Luxembourg) and **Andreas Fickers** (C2DH, University of Luxembourg)

Panelists

Valérie Schafer (C2DH, University of Luxembourg)

Andreas Fickers (C2DH, University of Luxembourg)

James Schwoch (Northwestern University)

Blair Stein (Clarkson University) (will participate through facetime)

Thomas Haigh (University of Wisconsin-Milwaukee)(Facetime only)

Chloe Bell-Wilson (UCLA)

Fabian Prieto-Ñañez (Virginia Tech)

Meredith Sattler (Cal Poly San Luis Obispo)

Saturday, 28 October 2023

10:45 AM – 12:15 PM

SH3: Changing Strategic Practices in Universities - I

Room: Champions A - Hybrid Session

Organizers and Chairs: **Sharon Traweek** (University of California, Los Angeles) and **Knut Sørensen** (Norwegian University of Science and Technology (NTNU))

Presenters

Jade Vu Henry (University College London Institute of Education): Academic integrity, speculative thinking and alternative histories of education technology in universities

Peter Krapp (University of California, Irvine): Virtual U

Knut Sørensen (Norwegian University of Science and Technology): Educating engineers. From a polytechnical to an interdisciplinary emphasis

Sharon Traweek (University of California, Los Angeles): Dropping Tools of the Trade: Canons, Curricula, Certification, and Accreditation

SH4: Thinking with Things - I

Room: Hotel 1880 - Hybrid Session

Chair: **Alex Magoun** (IEEE)

Presenters

Jochen Hung (Utrecht University): Masking the Machine: A Cultural History of the Graphical User Interface

David Morton (independent Scholar): Noah's Ark: A Case Study and Introduction to Imaginary Technology

Jorge Rojas-Alvarez (University of Illinois, Urbana-Champaign) - *ROBINSON PRIZE*

CANDIDATE: Cultural imaginaries in ACPO's information service design (optional pre-recorded presentation)

Bureaucratic processes and technology use in Africa

Online only via Zoom – link will be posted in the online program

Organizer and Chair: **Robert Heinze** (Deutsches Historisches Institut, Paris)

Commentator: **Jennifer Hart** (Wayne State University)

Presenters

Diana Ayeh (Helmholtz Centre for Environmental Research) - *ROBINSON PRIZE CANDIDATE*, and **Zongo Tongnoma** (Institut des sciences des sociétés du CNRS): Rendering the afterlives of mining governable: the bureaucratization of sustainable mine closure in West Africa

Koly Fall (Université Cheikh Anta Diop de Dakar): Bureaucratizing the “social link” through digital technologies? Logics of child sponsorship in Senegal

Kelma Manatouma (Université des Antilles): The digitization of identities and the political governance of individuals in Chad

S7: Imagined or Real? Epistemologies of Desert Environments Through Technological Encounters

Room: 203

Organizers: **Tiffany Nichols** (Princeton University) and Asif Siddiqi (Fordham University)

Chair: **Edward Jones-Imhotep** (University of Toronto)

Commentator: **Matthew Hersch** (Harvard University)

Presenters

Philipp Lehmann (University of California, Riverside): Atlantis in the Desert: The Early 20th-Century Search for Environmental Utopias

Asif Siddiqi (Fordham University): Space, Atoms, and Oil: French Technoscience in Algerian Sahara

Tiffany Nichols (Princeton University): Imagining Desert Landscapes as Astrophysics Laboratories

Gökçe Gunel (Rice University): The Desert's Future

S8: Back to the Future: Science and Technology Policy in Canada, Singapore, and the United States, 1980-2023

Room: 205

Organizer and Chair: **Lee Vinsel** (Virginia Tech)

Presenters

Ulysses Pascal (UCLA): Market Technology Policy: The role of SESDAQ in Singapore's Plans for Development

Julia Marino (Princeton University) - *ROBINSON PRIZE CANDIDATE*: Technology Policy & American Competitiveness, 1980-1993

Mols Sauter (University of Maryland): Chasing Something Beautiful: Conceptions of Innovation in Canadian Provincial and Federal Politics, 1980-present

Lee Vinsel (Virginia Tech): Examining the Clinton Administration's Technology and Human Capital Policies, including "the Digital Divide," in the Context of 1990s Social Policies, including Welfare and "Violent Crime Control" Reforms

S9: Automating Vision - Histories of Computer Vision

Room: 207

Organizer: **Heewon Kim** (KAIST)

Chair: **Yulia Frumer** (Johns Hopkins University)

Commentator: **Xiaochang Li** (Stanford University)

Julia Irwin (University of California, Berkeley): Artificial Worlds, Perceptronic Objects, and the United States CIA's Midcentury Neural Network Experiments

Sokion Choi (Seoul National University): The Micro-Worlds Approach and the Early Development of Computer Vision

Heewon Kim (KAIST) - *ROBINSON PRIZE CANDIDATE*: Face-reading Machines: The Making of the Human Face as a Significant Object of Computer Vision

S10: Global Histories of Electronics in the Americas: Informal, Indigenous, and Immigrant Labor in the Late Twentieth Century

Room: 210

Organizer: **Sam Schirvar** (University of Pennsylvania)

Chair and Commentator: **Honghong Tinn** (University of Minnesota)

Presenters

Kinjal Dave (University of Pennsylvania): We Have Never Been Global: Gujarati Women in U.S. Printed Circuit Board Manufacturing

Fabian Prieto-Nañez (Virginia Tech): Circumventing Gatekeepers: Free Trade Zones, Smuggling, and Access to Electronic Goods in 1980s Colombia

Sam Schirvar (University of Pennsylvania): "Home and Hands": Assembling Electronics in the Cherokee Nation, 1960s-1990s

S11: Expanding Analytical Tools for Interrogating Boundary Technologies

Room: 212

Organizer and Commentator: **Meredith Sattler** (Virginia Tech)

Chair: **Cheri Johnson** (Virginia Tech)

Presenters

Mirjam Mayer (ETH Zurich): Computer Networks as Boundary Technology: Connecting and Delimiting in the Swiss Federal Administration in the 1980s

Ramesh Subramanian (Quinnipiac University and Yale Law School): Boundaries, Politics, and India

Ezra Dan Feldman (Williams College): The "Genie Effect": Aesthetic Categories in the History of Automation

S12: Infrastructure and Empire

Room: Victory A

Chair: **Prakash Kumar** (Pennsylvania State University)

Presenters

Ruochen Chen (Washington University in St. Louis): Shades of Semi-Colonialism: Lighthouses and the Imperial Maritime Customs in Late Nineteenth Century Shanghai

Damilola Adebayo (York University): Native Authorities and Infrastructural Investments in Colonial Africa: The Electrification of Nigerian Towns, 1910-1950

Kapil Subramanian (University of Birmingham): Rural electrification, groundwater irrigation, and the colonial origins of India's Green Revolution.

S13: Thinking with Things - II

Room: Champions B

Chair: **Allison Marsh**

Presenters

Roberta Spada (Politecnico di Milano): - *ROBINSON PRIZE CANDIDATE* The Magnetic Detector in a Cigar Box: Guglielmo Marconi's DIY Myth?

Martin Fomasi (Università della Svizzera Italiana): World Wide Web as a Boundary Object. Interpretative Flexibility and Controversies in the early days of the World Wide Web 1989-1994.

Ekaterina Rybkina (Friedrich-Alexander-Universität Erlangen-Nürnberg): The Devil in the Belfry: Radioscape of Early Soviet Russia

Saturday, 28 October 2023

12:15 PM – 2:15 PM Lunch break

Special Interest Group Lunch Meetings (Locations TBA) (*pre-registration requested*):

EDITH Lunch Meeting

Asia Network Lunch Meeting

Mercurians & Jovians Lunch Meeting

Saturday, 28 October 2023

2:15 PM – 3:45 PM

SH5: Universities as locally situated knowledge-making infrastructures embedded in perpetually changing global political economies: Changing practices in specific fields - II

Room: Champions A – Hybrid Session

Organizers and Chairs: **Knut Sørensen** (Norwegian University of Science and Technology) and **Sharon Traweck** (University of California, Los Angeles)

Presenters

Aileen Fyfe (University of St Andrews): Postdoc fellowships and job-hunting around 1930: the transatlantic experiences of women History PhDs

Fred Ariel Hernandez (University of California, Irvine): 'We know the answer': Contradictions in Sport Science and Practice

David PD Munns (John Jay College, CUNY): The Phoenix and the Ford: Teaching Reactors, Public Universities, and the Peaceful Atom

Prerna Srigrayan (University of California, Irvin): A Comparative Analysis of the Traditions & Myths of Three American Education Conferences

SH6: Latin American Technology Across the Pacific (Presidential Session)

Room: Hotel 1880 – Hybrid Session

Organizer: **Diana Montaña** (Washington University in St. Louis)

Panelists:

José Ragas

Javiera Barandiarán

Cristián Castro

S14: Technologies, Industries, and Economic Change - II

Room: 203

Chair: **Lee Vinsel**

Presenters

Yusuf Madugu (Bayero University, Kano): Transportation and Economic Transformation of Kano Metropolis 1967-2012

Salem Elzway (University of Southern California): AI Gore-rithms: Robotics and the Political Economy of Japanic Inc.

S15: Histories of otherness and exclusion in games and play: Discussing Player vs. Monster and Privilege of Play (Author meets Critic Session)

Room: 205

Organizer: **Jaroslav Švelch** (Charles University)

Commentator: **Bo Ruberg** (University of California Irvine)

Jaroslav Švelch (Charles University): Author of *Player vs. Monster: The Making and Breaking of Video Game Monstrosity* (MIT Press 2023)

Aaron Trammell (University of California Irvine): Author of *The Privilege of Play: A History of Hobby Games, Race, and Geek Culture* (New York University Press 2023)

S16: Infrastructures of Hydrology, Health, and Hygiene in Modern Egypt

Room: 207

Organizer and Chair: **Anthony Greco** (University of California Santa Barbara)

Presenters

Mohamed Gamal-Eldin (Rutgers University-Newark): Disease and Water Filtration Infrastructure Along the Suez Canal, 1863-1939

Stephanie Boyle (CUNY New York City College of Technology): The eyes have it: Nile-born Illness in Provincial Egypt during the Age of British Imperialism

Alex Schultz (University of Denver): Revealing Popular Infrastructure: Taps, Gossip, and 'Ilan (1890-1940) (pre-recorded)

Anthony Greco (University of California Santa Barbara) – *ROBINSON PRIZE CANDIDATE*: Reclaiming the Nile's Past: Amīn Sāmī, Henry Lyons, and the Cairo Nilometer

S17: Should SHOT advance amicus briefs and public comment? (Public discussion)

Room: 210

Organizers and Chairs: **Glenn Bugos** (Moment LLC) and Matthew Hersch (Harvard University)

This session will white-board how SHOT might decide to respond if a brief or comment is needed to clarify historical issues in American technology and business in a U.S. court of law. Before we identify a relevant case, SHOT might prepare for this possibility, organizationally, to assure the process is well-considered, democratic, and transparent.

The American Historical Association has over the past decade submitted amicus briefs, often in collaboration with its affiliated societies, or publicized amicus briefs submitted by individual members. These were in cases where historical fact needed clarification, or where historical practice was attacked. These cases all dealt with social, cultural, or political history, not yet with the history of American technology.

In no way does this session commit SHOT to anything. This is part discussion, part workshop meant to scope out the potential for action. The word “advance” in the title is intentionally vague, a placeholder as we decide on a more active verb like draft, endorse, or submit. The opportunities for amicus briefs come rarely. More frequently needed is public comment on proposed regulation, and this same process might also work for that. This is a US-specific session, but all members can participate.

Any statements here, or made at the session, do not necessarily reflect the opinions of SHOT.

S18: Approaches to Envirotech

Room: 212

Chair: **Richard Hirsh** (Virginia Tech)

Presenters

Emanuela Scarpellini (University of Milan): Historical waves of sustainable innovation and de-globalization: Hints from the Italian fashion industry

Sunny Chen (University of California Los Angeles) - *ROBINSON PRIZE CANDIDATE*: Geochemical Science, Labor Policy, and Miners' Health in the Moroccan Phosphate Industry under the French Protectorate (1912-1956)

Yue Liang (State University of New York - Binghamton) - *ROBINSON PRIZE CANDIDATE*: Engineering the Environment: the 1954 Yangzi River Flood and the Rise of Vernacular Technologies in Communist China

Ulrike Felt (University of Vienna): Of waste and values – Reading the development of innovation societies through practices of wasting

S19: Media, Power, Inclusion, Exclusion (Victory A)

Chair: **TBA**

Presenters

Roland Ndille (University of Buea-Cameroon): Mexico 1986, The Television and Power in Rural Cameroon

Xu Xu (Inner Mongolia University) and **Chen Fan** (Northeast University, Shenyang, China): Bondage or liberation? -An isomorphic examination of the Metaverse and Gnosticism

Elizabeth Patton (University of Maryland, Baltimore County): The Paradox of Inclusion and Exclusion at the 1964 World's Fair: Photography, Leisure, and Racial Inequality

Saturday, 28 October 2023

4:15 PM – 5:45 PM

SH7: Is Prometheus OK? Postmodern Infrastructure after 1970

Room: *Champions A - Hybrid Session*

Organizer: **Zachary Schrag** (George Mason University)

Chair: **Thomas Zeller** (University of Maryland, Department of History)

Commentator: **Teal Arcadi** (Rutgers-Newark/NJIT)

Presenters

Varsha Venkatasubramanian (University of California, Berkeley): The State, the Environment and the Dammed

Patrick Chung (University of Maryland): Koreans in Unexpected Places: Hyundai, the US military, and the History of US Overseas Infrastructural Development

Zachary Schrag (George Mason University): Not your Father's Metrorail: The Dulles Corridor Metrorail Project and the Burden of History

SH8: Universities as locally situated knowledge-making infrastructures embedded in perpetually changing global political economies: Changing practices at departments, institutes, labs, and universities - III

Room: *Hotel 1880 - Hybrid Session*

Organizers and Chairs: **Sharon Traweek** (University of California, Los Angeles) and

Knut Sørensen (Norwegian University of Science and Technology (NTNU))

Presenters

Stathis Arapostathis (National & Kapodistrian University of Athens): Frugality with Value: Biomarkers, Food Assetization and the making of Entrepreneurial Science

Sam H. Franz (University of Pennsylvania): Computing Labor, Computing Science: The Computer and Communication Sciences at the University of Michigan, 1960-1990

Peeter Mürsepp (Tallinn University of Technology): Tallinn University of Technology – a Case of Academic Stability in Turbulent Times

Ricky Wichum (ETH Zurich): From Service Provider to European Infrastructure. A history of a university's High-Performance Computing Center (1996-2007)

S20: Media Technologies: Archives and Afterlives

Room: 203

Chair: **Allison Marsh**

Presenters

Stefka Hristova (Michigan Technological University): Media Negatives (probable pre-recorded)
Matthew Wisnioski (Virginia Tech): “I break for large intestines”: The Magic School Bus and the comparative media of edutainment

B. Dalia Hatalova (University of Toronto) – ROBINSON PRIZE CANDIDATE: Screenlife Films as Technological Archives

Hugo Ljungbäck (University of Chicago): Between Still and Moving Image: The Canon RC-250 and the Afterlife of Video Floppy

S21: Energy: Histories of Possibility and Crisis

Room: 205

Chair: **Heather Williams** (Pomona College)

Presenters

Luca Thanei (ETH Zurich) – ROBINSON PRIZE CANDIDATE: The SPS and the Reconceptualization of Near-Earth Space. (pre-recorded presentation)

Warren Dennis (Boston University) – ROBINSON PRIZE CANDIDATE: Entangled Crises: Energy and Masculinity in the 1970s

Russell Peck (University of California, San Diego) – ROBINSON PRIZE CANDIDATE: A Riparian Right to Power: The Energy Value of Water and the Hydropolitical Dimensions of Area of Origin Legislation in California

S22: Technological Expertise, Urban Infrastructures, and Histories of Contestation – II

Room 207

Chair: **Jethron Akallah** (Maseno University)

Presenters

Benjamin Bothereau (Centre Alexandre Koyre (EHESS Paris/CNRS)): The urban sky & street lighting. Astronomers, aeronauts, policemen: knowledge and viewpoints (Paris, late 18th – 19th c.)

Ksenia Tatarchenko (SMU): Inventing CY_BERIA, Living in CAR_BERIA: Could a Soviet science-city become smart?

S23: Business, Data, and Economy

Room: 210

Chair: **Aaron Mendon-Plasek** (Yale University)

Presenters

Susannah Glickman (Columbia University): Justice for Small Businesses: How Startups Started Up

Yize Hu (Johns Hopkins University): Building Decentralized Systems for a Free Market: The “Systems Approach” and the Rise of Neoliberal Technocracy in 1980s Japan

Andrew McGee (Smithsonian Institution): “Three ‘Big Data’ Moments: Technological Industries in the 1960s, 1980s, and 2010s Confront the Scale of an Electronic Information Economy”

S24: Aeronautical Cultures

Room: 212

Chair: **Matthew Hersch** (Harvard University)

Presenters

Barbara Ganson (Florida Atlantic University): “TransPacific (1st. floor) flying during the interwar period: A reexamination of Earhart’s world flight using a comparative perspective.”

Shinhye Chang (Seoul National University): Ballooning as a Sport: Gordon Bennett Cup and the early aeronautical culture of America

S25: Food and Technology

Room: Victory A

Chair: **Helen Curry** (Georgia Tech)

Presenters

Seung-joon Lee (National University of Singapore): Thermodynamics and Chinese People’s Minimum Nutrition Requirement, 1937-1958

Marco Storni (Université Libre de Bruxelles): Denis Papin’s Digester and the Introduction of Technology in the Culinary Arts

Gianenrico Bernasconi (University of Neuchâtel): The Mechanization of Cooking Practice (Late 18th—Early 19th Century)

S26: Medical Technologies II – Risk and Reappraisal

Room: *Champions B*

Chair: **TBA**

Presenters

Rose Rowson (Brown University): Imaging the Digital Native: Ultrasound Technology in the History of Personal Computation

Catherine Spet (University of Applied Arts Vienna): Technology as Pharmakon. Using the example of language-based Healthcare Apps like Replika AI

Fedir Razumenko (University of Calgary) - ROBINSON PRIZE CANDIDATE: Erring on the Side of Safety: The Development of Technologies for Purifying Blood Products from Pathogens and the Quality of Life of Patients who Received Them, 1947-1997

S27: Knowledge, Infrastructure, and Public Health

Room: *Victory B*

Chair: **TBA**

Presenters

Sydney Goggins (University of Wisconsin - Madison) - ROBINSON PRIZE CANDIDATE: Tuberculosis Sanatoria, Health Infrastructure and Health Policy Debates, 1949-1972 (pre-recorded)

Chris Zajner (University of Western Ontario) - ROBINSON PRIZE CANDIDATE: The Impact of Public Health and Medical Theory on the Societal Response to the 1889 Russian Flu

Benedicto Acosta (University of Salamanca): When vaccine technology is trade conflict: Spain SARS-CoV-2 vaccines prototypes.

Slawomir Lotysz (Polish Academy of Sciences): Health message: Postage stamp as a tool of health communication.

Saturday, 28 October 2023

6:00 PM – 8:00 PM

SHOT Awards and Fellowships Event & Reception 2023 (McKay's Main Dining Room)

Room: *Reception McKay's Main Dining Room – Awards Event Hotel Grand Ballroom + Live Stream*

(Pre-registration required to avoid food waste)

SHOT's Awards and Fellowships Event is supported by **Hagley Museum and Library**



Sunday, 29 October 2023

SHOT Special Interest Groups Sunday Meetings

(Pre-registration required to avoid food waste)

9:00-11:00 AM: The Albatrosses Sunday Morning Meeting

Room: *Champions A*

Updates from the attendees about any news and the state of their research.

9:00 AM – 12:30 PM: Prometheans Sunday Morning Meeting

Room: *Champions B*

9:00 AM – 13:00 PM: EDITH and WITH Sunday Morning Workshop

Room: *Victory A*

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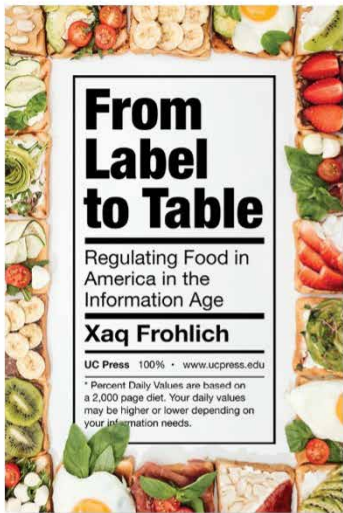
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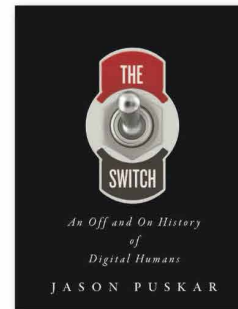
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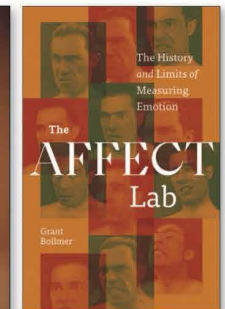
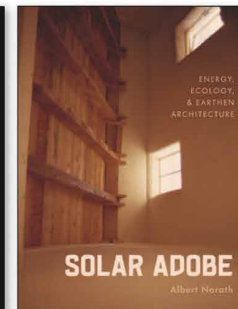
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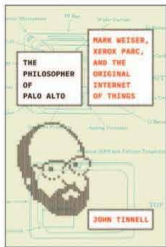
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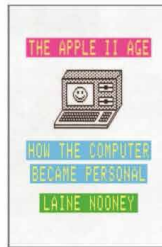
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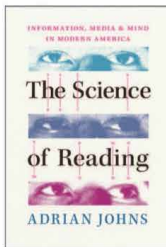
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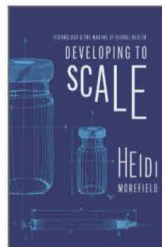
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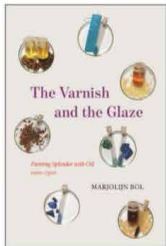
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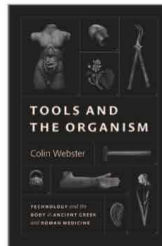
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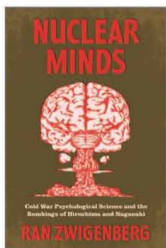
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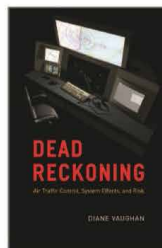
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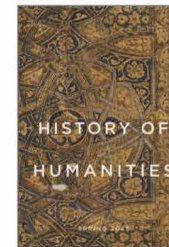
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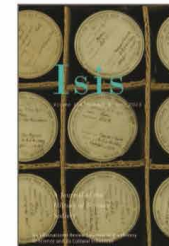
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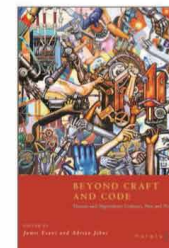
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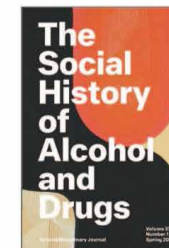
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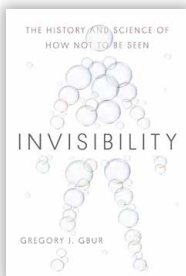


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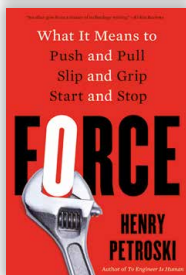
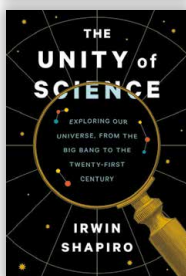
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