CONFERENCE TIMEZONES

LA/SF (PDT, UTC-7)	4:15-5:15am	5:30-6:30am
Iowa City (CDT, UTC-5)	6:15-7:15am	7:30-8:30am
Boston (EDT, UTC-4)	7:15-8:15am	8:30-9:30am
Buenos Aires (ART, UTC-3)	8:15-9:15am	9:30-10:30am
Eindhoven (CEST, UTC+2)	1:15-2:15pm	2:30-3:30pm
London (BST, UTC+1)	12:15-1:15pm	1:30-2:30pm
Lagos (WAT, UTC+1)	12:15-1:15pm	1:30-2:30pm
Nairobi (EAT, UTC+3)	2:15-3:15pm	3:30-4:30pm
Singapore (SGT, UTC+8)	7:15-8:15pm	8:30-9:30pm
Seoul (KST, UTC+9)	8:15-9:15pm	9:30-10:30pm
Tokyo (JST, UTC+9)	8:15-9:15pm	9:30-10:30pm
Brisbane (AEST, UTC+10)	9:15-10:15pm	10:30-11:30pm

LA/SF (PDT, UTC-7)	6:45-7:45am	8:00-9:00am
Iowa City (CDT, UTC-5)	8:45-9:45am	10:00-11:00am
Boston (EDT, UTC-4)	9:45-10:45am	11:00am-12:00pm
Buenos Aires (ART, UTC-3)	10:45-11:45am	12:00-1:00pm
Eindhoven (CEST, UTC+2)	3:45-4:45pm	5:00-6:00pm
London (BST, UTC+1)	2:45-3:45pm	4:00-5:00pm
Lagos (WAT, UTC+1)	2:45-3:45pm	4:00-5:00pm
Nairobi (EAT, UTC+3)	4:45-5:45pm	6:00-7:00pm
Singapore (SGT, UTC+8)	9:45-10:45pm	11:00pm-12:00am
Seoul (KST, UTC+9)	10:45-11:45pm	12:00-1:00am
Tokyo (JST, UTC+9)	10:45-11:45pm	12:00-1:00am
Brisbane (AEST, UTC+10)	11:45pm-12:45am	1:00-2:00am

LA/SF (PDT, UTC-7)	9:15-10:15am
Iowa City (CDT, UTC-5)	11:15am-12:15pm
Boston (EDT, UTC-4)	12:15-1:15pm
Buenos Aires (ART, UTC-3)	1:15-2:15pm
Eindhoven (CEST, UTC+2)	6:15-7:15pm
London (BST, UTC+1)	5:15-6:15pm
Lagos (WAT, UTC+1)	5:15-6:15pm
Nairobi (EAT, UTC+3)	7:15-8:15pm
Singapore (SGT, UTC+8)	12:15-1:15am
Seoul (KST, UTC+9)	1:15-2:15am
Tokyo (JST, UTC+9)	1:15-2:15am
Brisbane (AEST, UTC+10)	2:15-3:15am

Session 1 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

T1: Methods for Histories of Engineering: Networks (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Presenters:

Edward Beatty (University of Notre Dame)

Israel Solares (National Autonomous University of Mexico)

Jose Alberto Nochebuena (Universität Bern)

T2: Technologies of Bio-Production

Chair: **Damilola Adebayo** (York University)

Presenters:

Omotolani Onike (Boston University) *Cattle, Grazing Project, and Environmental Infrastructural Development in Nigeria*

Aaron Gregory (University of California Riverside) *Technobotany & the History of the Artificial Leaf*

Eric Chu (University of Buea) *The Technology of Shar (Corn Beer or nkang) Production in Esu - Cameroon, 1880s - 2017*

T3: AI, Assessment, and the Practice of Teaching History

Presenters:

Tyler Gillis (The University of Central Florida) *Revealed and Concealed: What Generative AI Does to the Historical Source, from the Frontier to the Polis*

Claire Mayo (Independent Scholar) *Leveraging Ungrading Assessment Models to Integrate AI Usage Strategically in History Courses*

Keith McLoughlin (University of Bristol) *Hamlet without the Prince? Assessing the history of technology in the United Kingdom in the twenty-first century*

Thursday 22 October Session 1 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

T4: Technology, Politics, and Policy in Global Historical Perspectives

Organiser: **Jingjin Wang** (Beihang University)

Presenters:

Carl Mitcham (Colorado School of Mines)

Yan Ping (University of Electronic Science and Technology of China) *Comparing American and Chinese National Policies Promoting Technological Progress*

Boris Vinogradov (Zurich University) *Mediating Technology Transfer: The Soviet Embassy and Trade Mission in Switzerland, 1950s–1980s*

Victor Luiz China Gonçalves (University of São Paulo) *Computing for Modernization: The UNIVAC at IBGE-CBPF (1950s Brazil)*

T5 Energy Histories in Times of Transformation I (EnergHist Session)

Organiser: **Tijana Rupcic** (KTH Royal Institute of Technology), **Siegfried Evens** (Linköping University)

Chair**: Siegfried Evens** (Linköping University)

Presenters:

Haris Ljevo (Independent journalist and researcher), **Ulrik Kohl** (Institute for Urban Research, Malmö University): *Energy Ownership Beyond State and Market: Historical Legacies and the Politics of Energy Infrastructure in Europe*

Lucie Rondeau du Noyer (EHESS and CIRED) *Economists, fossil resources and 'energy colonialism' in the late British Empire*

Helge Wendt (Deliberation Agora research project) *Uncertain Coal: Government Responses to Energy Security in Mexico, the Philippines, Chile, and the German Empire, c. 1880–1920*

Elizabeth Hameeteman (Technische Universität Berlin) *Another Current: Solar Desalination and Alternative Futures of Modernity*

T6: Sovereignty, Standards, and Governance Across Borders

Presenters:

Shumeng Han (UC San Diego) *Rural Laboratories of Seed Development and Selection in the PRC, 1950–1980*

Junfeng Xu (Peking University) *The Reactor That Had No History: Knowing Daya Bay across the Hong Kong–Guangdong Border, 1978–1994*

Mallika Dharmaraj (Logic(s) Magazine) *The 'dhandho' of Data Sovereignty: Cloud Infrastructure and Caste Capitalism as Platform in the "Gujarat–East Africa Circuit*

Thursday October 22 Session 2 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

T8 States, Engineers, and the Instruments of Rule (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Presenters:

Raffaele Danna & **Andrea Papi** (Sant'Anna School of Advanced Studies) *State Capacity in Miniature: a Late Medieval Case Study on the Co-Emergence of Proto-Modern States and Engineering Expertise*

Budinny Veesa (Independent Researcher) *The Patent as Policy Instrument: James Watt, Technological Suppression, and the Foreclosed History of Low-Pressure Steam*

Omar Rodríguez Camarena (National Autonomous University of Mexico) *Hydropolicy and Engineering in Basin-Valley of Mexico. The Reshaping of a Landscape and a Political Space*

T8: Excavating Financial Infrastructures: Part I

Organiser: **William Deringer** (MIT)

John Handel (Johns Hopkins University)

Presenters:

Pariroo Rattan (Northwestern University) *Digital Payment Technologies and Moral Citizenship in Contemporary India: A Bottom-Up Historical Perspective*

Ethan Dunn (Rutgers University) *From 'an Expensive Luxury' to 'the One Tool': Making Calculating Machines Infrastructural in American Banking, 1888-1913*

John Handel (Johns Hopkins University) *The Social Capture of a Decentralized Technology: The Telephone and the London Stock Exchange, 1870s–1910s*

T9: The Environments of Technology I: Making Technological Identities - Evidence, Place, and Camouflage

Organiser: **Maria Carolina Fóscolo Gomes** (Federal University of Minas Gerais)

Jade Bénéï (University of Liège) *Concrete Iconography: The Marketisation of Reinforced Concrete through Printed Evidence in 1880s–1920s France*

Ruoxi Li (Korea Advanced Institute of Science and Technology) *The Last Phone Factory Was Not Born a Phone Factory: Samsung's Huizhou Plant, 1992–2019*

Gretchen Von Koenig (University of Delaware) *Sconces and Stereos: Making Security Homely through Environmental Camouflage in the US, 1930-1960*

Session includes a commentator.

Thursday October 22 Session 2 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

T10: Energy Histories in Times of Transformation II (EnergHist Session)

Organisers: **Tijana Rupcic** (KTH Royal Institute of Technology), **Siegfried Evens** (Linköping University)

Chair: **Tijana Rupcic** (KTH Royal Institute of Technology)

Presenters:

Filippo De Chirico (Università Roma Tre) *From Chornobyl to Privatisation. Unpacking Italy's dash for gas (1986–1999)*

Veronica Yakimovich (Maastricht University) *Energy (in)dependence: Russian influence in Belarus's first nuclear power plant*

Siegfried Evens (Linköping University) *Atoms from Abroad: Technopolitical Regimes in the Belgian Nuclear Industry (1950s–1980s)*

Elina Paivinen (University of Cambridge) *Green Atoms? Nuclear energy and the environment in Britain, 1950 – present*

T11: Humanity, Religion, and Histories of Technology (Thread 3)

Organiser: **Suzanne Moon** (University of Oklahoma)

Presenters:

Hava Tirosh-Samuelson (Arizona State University) *Erich Fromm's Critique of Modern Technology*

Laurie Zoloth (University of Chicago) *AI as Other: Ethics, Veracity, and Authenticity*

Mois Navon (Ben-Gurion University) *Completing Creation: The Historical Development of a Jewish Theology of Technology*

Robert Geraci (Knox College) *Slop/Substance – Technologies of Art and Religion from the 20th century into the 21st*

T12: Technologies of Privacy, and Surveillance

Presenters:

Yinguang Zhao (University of Minnesota) *Privacy as a Business: The Construction of the Private in the History of Virtual Private Networks*

Ryan Williams (University of California, Santa Barbara) *Broadcasting Incrimination: The Police Radio and Racialized Surveillance in 1930s Hawai'i*

Zhongtian Han (Southern Methodist University) *Radio Technology and the Chinese Communist Party's Information Infrastructure, 1927–1936*

Thursday October 22 Session 2 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

T13: State, Expertise, and Technological Sovereignty

Chair: **Benjamin Gross** (U. Texas Austin)

Presenters:

Ritam Sengupta (O.P. Jindal Global University) *The War of the Currents in the Colony: Regulation and the Durable disorders of electrical infrastructure in Calcutta, 1910s-1940s*

Timo Leimbach (Aarhus University) and **Elisabetta Mori** (University Pompeu Frabra) *Sovereignty by other means: Industrial Policy, Science Diplomacy, and the Making of "Technological Sovereignty" in European ICT, 1957-1990*

Mara Marginean (Romanian Academy) *Socialist Expertise and Post-Colonial Development: Romania and the Global Production of Managerial Knowledge in the Long 1970s*

T14: Governing Turbulence: Political and Regulatory Histories of Commercial Aviation

Organiser: **Angus Davison** (University of Melbourne)

Presenters:

Joanna Grisinger (Northwestern University) *Loud Flights: Washington National Airport and Its Angry Neighbors*

Tom Kelsey (National Institute of Economic and Social Research) *Cancelling the Future: The Politics of Concorde in Britain*

Angus Davison (University of Melbourne) *Cabin Fever: The American Aircraft Cabin as Artificial Environment following the 1990 Domestic Inflight Smoking Ban*

Thursday October 22 Session 3 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

T15: SHOT 2026 Conference Opening and Welcome Address

Speaker: **Debbie Douglas** (MIT) President of SHOT

Please join SHOT's president, Debbie Douglas as she welcomes all participants to our inaugural—*voluntary*—Annual Meeting, announces the results of our recent election, and congratulates some of our prize winners. Douglas will give a presidential address: "Transitional Technologies, Learned Societies, and the Challenges of our Times" followed by a special guest keynote conversation with Megan Smith, former U.S. Chief Technology Officer entitled: "Look Up, Team Up." Smith has long been fascinated by history (especially the history of those typically excluded from the textbooks) and her investigations have long shaped her approach to technology policy. Her keynote is intended to kick-off a much larger conversation about the future of SHOT and why that work matters so much.

For those who wish to continue that conversation, please join the "Future of SHOT" workshop, Session T23, (Thursday, Session 4 UTC 16:15-17:15) that follows immediately.

Megan Smith
Entrepreneur, Engineer, Former U.S. Chief Technology Officer, CEO shift7

Megan Smith is an entrepreneur and engineer, former U.S. Chief Technology Officer, and former VP at Google for 11 years. She is a board member of MIT, Vital Voices, LA28 Olympics, the Algorithmic Justice League, Civis Analytics, Planet Read, Earth Conservation Corps, and ROOST, a member of the National Academy of Engineering, and CEO of shift7. As U.S. CTO, Smith and her team worked on issues ranging from AI and data science to economic inclusion, workforce development, open source, government innovation, and criminal justice reform, co-creating national initiatives such as TechHire, Computer Science for All, and The Opportunity Project. At Google, she led new business development - managing early-stage partnerships and technology licensing across global engineering and product teams, and the acquisitions of Google Earth, Maps, and Picasa - and as GM of Google.org launched Google Crisis Response, Google for Nonprofits, Earth Outreach, and Earth Engine, and co-founded Women Techmakers and Solve for X. Previously, CEO of PlanetOut, an early online LGBTQ community and digital media company, General Magic engineer on early smart phones, and Apple Japan.

Smith is a co-founder of the Malala Fund and the UN Solutions Summit. She holds B.S. and M.S. degrees in Mechanical Engineering from MIT, completed her master's thesis on haptics at the MIT Media Lab, and co-founded the MIT solar car team, racing 2,000 miles across the Australian outback in the inaugural World Solar Challenge. Today she works on tech-forward, collaborative approaches to systemic social, environmental, and economic challenges. Smith works using scout & scale, communities-of-practice, sprints and prototyping, data story sharing, network cross-pollination and other innovation and institutionalization methods to support frontline innovators, collaborations to expand tech ecosystems especially in AI inclusion capacity, governance, and bias mitigation, strengthen innovation ecosystems and widen visibility, amplify voices and lift lost histories.

Thursday October 22 Session 4 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

T16: Excavating Financial Infrastructures: Part 2

Organiser: **William Deringer** (MIT)
John Handel (Johns Hopkins University)

Presenters:
William Deringer (MIT) *The Great American Municipal Bond Machine: Mathematical Tables as Financial Infrastructure*
David Pinzur (London School of Economics) *Trusting the Benchmark: Between Liquidity and Indexicality*
Manuel Bautista (Oxford University) *Making Migrant Money Move: Financial Infrastructures and the US-Mexico Remittance Corridor, 1900-1945*

T17: The Environments of Technology II: Extractive Environments, Commodities, and Carbon Futures

Organiser: **Maria Carolina Fóscolo Gomes** (Federal University of Minas Gerais)

Presenters:
Magnus Schaefer (McGill University) *The Oily Emergence of Digital Signal Processing*
Moira Pinkus (Universität Zürich) *Containing Carbon: The Technological Lives of CO2, from Gas Cylinders to Carbon Capture*
Omri Polatsek (Technical University of Berlin) *Chemical Fertilizer: A Technology of the Western Industrial Diet*

Session includes a commentator.

T19: Chemical and Biological Weapons from World War II to Cold War: New Histories of Restraint and Unknowability

Organiser: **Elena Kempf** (MIT)

Presenters:
Alison McManus (Johns Hopkins University) *Hitting a Nerve: Chemical Reasoning and Poison Gas Policy in World War II*
Brian Balmer (University College London) *Rendering the Atmosphere Knowable: Restraining Air in the UK Cold War Biological Warfare Programme*
Andrew Kishuni (Johns Hopkins University) *'A Nation of Sheep': Congress and the Environmental Politics of CBW Arms Restraint after the Skull Valley Sheep Incident, 1968-1970*
Elena Kempf (MIT) *Prohibiting Unknowability: Scientists, Citizens, and the 1972 Biological Weapons Convention*

Thursday October 22 Session 4 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

T19: Technology and Politics in Mandate Palestine

Organiser: **Jason Schulman** (Jewish Theological Seminary)

Speakers:

Sahar Bostock (Yale University) *Railway Disassembly and the Periphelization of Southern Palestine, 1915-1927*

Shira Pinhas (Northwestern University) *What is Oil? Towards a History of Distillate Commodification*

Jacob Beckert (Tulane University) *Financing the Frontier: Potash Extraction and Political Control at the Dead Sea*

Omri Pelerman (Tel Aviv University) *Late Machines, Early Lessons: Printing Technology and Transnational Labor Politics in Mandate Palestine*

T20: Technology and the State: The Politics of Cold War Aviation

Organiser: **Sean Seyer** (The University of Kansas)

Presenters:

Sean Seyer (The University of Kansas) *A Relic or an Institution?: The Manufacturers Aircraft Association's Struggle to Survive the Cold War*

Willy Logan (Union Adventist University) *Specialists and Salesmen: Stanley Beltz and Company Test Pilots in the Post-World War II US Aviation Industry*

Waqar Zaidi (Lahore University of Management Sciences) *Competing for the Air: US and British Aviation Assistance in West Asia, 1945-1960*

Guillaume de Syon (Albright College) *"Baby you're the ETOPS:" The Slow Acceptance of Twin-Engine Long-Range Commercial Flying*

Session includes a commentator.

T21: Recent Books From Chicago

Organiser: **Jonathan H Grossman** (UCLA)

Panelists:

Jeffrey Binder (Open Raven) *"Language and the Rise of the Algorithm"*

Elizabeth Eager (Smithsonian American Art Museum) *"The Technology of Drawing: Image and Industry in the Early United States"*

Jonathan H Grossman (University of California, Los Angeles) *"Standardization (Standarisation): A Literary History"*

Thursday October 22 Session 4 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

T22: Nature as Property: Animals, Extraction, and Law

Presenters:

Iván Jaramillo (Consejo Superior de Investigaciones Científicas) *Infrastructure and Environmental Systems: The Inca Rubber Company and the Integration of the Amazon*

T23: The Future of SHOT: Workshop

TBA

T24: Roundtable: Technological Pessimism and Optimism in Lewis Mumford's Generation

Organiser: **Lee Vinsel** (Virginia Tech)

Chair/Moderator: **Ellan Spero** (MIT)

Speakers:

Richard John (Columbia University)

Zachary Loeb (Purdue University)

Lee Vinsel (Virginia Tech)

Session 1 · UTC 11:15-12:15

Boston 7:15-8:15am · London 12:15-1:15pm · Tokyo 8:15-9:15pm

F1: Negotiating International Technical Authority and Policy: Standards, Experts, and Global Governance (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)
Presenters:

Pooja Shyamsundar (IBM) *Governing by Competition: The Advanced Encryption Standard and the Reconstruction of American Cryptographic Authority, 1997–2001*
Roberto Lalli (Politecnico di Torino) *Engineers and the Making of European Fusion Policy: Expert Networks and Technical Judgment from Euratom to ITER*
Ellan F. Spero & Christine Ortiz (MIT) *The Role of Experiment in Shaping Public Debate and Policy for Water Infrastructure: A Sociotechnical Case Study of Lawrence, Massachusetts (1890–1907)*

F2: Not Necessarily Red: Nature, Technology, and Governance within and beyond Post-1949 China

Organiser: **Zhijian Sun** (Queensland University of Technology)

Presenters:
Xun Wang (National University of Singapore) *Localizing Technology, Reimagining the Region: Nature, Technology, and Agency in China-Aided Thai Nguyen Steelworks, 1958-78*
Jinguo Liu (Tsinghua University) *Expanding Experimental Spaces: Sanmenxia and the Transregional Production of Hydraulic Knowledge in Socialist Asia*
Zhijian Sun (Queensland University of Technology) *Thermal Technocracy: Cooling Technology and the Great Leap Forward in Maoist Guangzhou, 1953-62*
Jing Zhu (Xi'an Jiaotong Liverpool University) *Suzhou Embroidery, the International Handicraft Exhibition in the UK, and Diplomacy in the 1950s and 1960s*

F3: Silicon Dawn: Creative Computing in Europe 1970-2000

Organiser: **Alex Wade** (Birmingham City University)

Chair/moderator: **Alex Wade** (Birmingham City University)

Presenters:

Natalija Majsova (University of Ljubljana)

Ivo Furman (Istanbul Bilgi University)

Kieran Nolan (Dundalk Institute of Technology)

Friday 23 October Session 1 · UTC 11:15-12:15

Boston 7:15-8:15am · London 12:15-1:15pm · Tokyo 8:15-9:15pm

F4: Mobilizing Technical Knowledge: Sustainability, Capitalism, and Risk

Presenters:

M. Luísa Sousa (CIUHCT, NOVA FCT) and **Jaume Valentines-Álvarez** (IAC, UAB) *Mobilising a history lab for sustainable mobilities. What (and with whom) have we learned?*

João Pinho (Independent Scholar) *Scientific abstraction and industrial production of molecules: the case of ammonia synthesis*

Elli Danae Vartziotis and **Aristotle Tympas** (National and Kapodistrian University of Athens) *Historicizing the Construction of Variables for Evaluating Major Technological Risks: From the 1980s "Normal Accidents" to the 2020s "Existential Threats"*

F5: Gendered Electrification: Domesticity, Power, Expertise, and Energy Transitions

Organiser: **Tijana Rupcic** (Polish Academy of Sciences)

Presenters:

Nurçin İleri (International Institute of Social History) *Electrifying the Republican Home: Gender, Hygiene, and Citizenship in Early Twentieth-Century Turkey*

Nela Spurna, Graeme Gooday (University of Leeds) *Transatlantic Electrical Dialogue: Tracking Women's Agency in Mid-20th Century Infrastructure Planning*

Hiroki Shin (University of Birmingham) *Power Splitters: Gendered Pathways to Rural Electrification in Post-WWII Japan*

Anto Mohsin (Northwestern University in Qatar) *Powering Colonial Household: European Women, Domestic Modernity, and Technological Authority in the Dutch East Indies*

F6: Invention and Innovation in Twentieth Century Jewish History – Thread 2

Organiser: **Julie Cohn** (University of Houston)

Chair: **Jason Schulman** (Jewish Theological Seminary)

Presenters:

Michael Berkowitz (University College London) *Applied Science in World War II: The Significance of Jews in Photography*

Astrid Zajdband (Embry-Riddle Aeronautical University) *Flying, from Here to the Moon: Jewish Encounters in Aviation History*

Sophia Rishyna (University of Mannheim) *Inventing under Persecution: Jewish Inventors in Nazi Germany and Fascist Italy*

Menahem Blondheim (Hebrew University) *Startups and Chutzpah: Cultural Origins of High-Tech Entrepreneurship in Israel*

Friday 23 October Session 1 · UTC 11:15-12:15

Boston 7:15-8:15am · London 12:15-1:15pm · Tokyo 8:15-9:15pm

F7: Unpacking the Edible I: Food Science and Technology in Shaping the Modern World

Organiser: **Elena Kochetkova** (University of Bergen)

Commentator: **Roberta Biasillo** (Utrecht University)

Presenters:

Stathis Arapostathis, Sotiris Alexakis and Yannis Fotopoulos (National and Kapodistrian University of Athens) *Configuring Productivisms in Greek Agriculture: Science, Technology, and Food Production, 1920–1990*

Donald Morard III (McGill University) *"Cooking with Science" to Achieve Food Security: Food Processing Innovation within the late Soviet Agro-Industrial Complex*

Elena Kochetkova (University of Bergen) *Engineered Food Systems: Techno-Proteins From Oil and the Global Quest to Feed Animals and Humans, Post-1945*

Susanna Mansikkamäki (University of Jyväskylä) *Recursive Innovation and the Non-Linear Evolution of Technology: The Rise, Fall, and Re-Emergence of an Alternative Protein Source*

Friday 23 October Session 2 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

F8: Financializing Innovation: Capital, Valuation, and the Making of the Tech Economy (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Presenters:

Sara Bassanelli (Politecnico di Torino) *Negotiating Technical Authority: Engineers, Physicists, and the Governance of International Electrical Standards*

Diego Cerna-Aragon (MIT) *Engineering values: The politics of taxation of geological matter*

Michelle Venetucci (Yale University) *Engineering Growth: Risk Capital, Financial Policy, and the Making of Silicon Valley*

F9: Governing Transport: Safety, Energy, and Atmosphere

Presenters:

David Lucsko (Auburn University) *"The Canadian Connection": Manufacturing 1974 Model-Year Cars for the North American Market with and without the Seat-Belt Interlock*

David Burel (Arizona State University) *Naturalizing Dominance: How SUV Marketing Shaped State Authority and the Electric Vehicle*

Conrad Hirano (Soka University of America) *Governing the Atmosphere: Aviation, Industrial Smoke, and Infrastructure in 1930s Osaka*

F10: Measuring People and Managing Technology in East Asia

Presenters:

Miwa Yokoyama (Tsuru University) *The Making of Gendered Technology Education in Japan: A Historical–Sociological Perspective*

Zelin Pei (University of Arizona) *Maintaining the Light in the China Seas: Labor, Supplies, and Work Relations, 1860s-1930s*

Takahiro Yamamoto (Singapore University of Technology and Design) *Torii Ryuzo's anthropometric measurements and photography in colonial Korea*

F11: Peripheral Technological Cultures and the Politics of Memory Formation

Organiser: **Regina Seiwald** (University of Birmingham)

Presenters:

Alex Wade (Birmingham City University) *Bunging the System: Multi-Use Devices and Copyright Formation in Transitional Hong Kong*

Alexandra Tatar (Academy of Fine Arts Vienna) *"catching God by the leg"? DIY Satellite Television Infrastructure in Socialist and Post-Socialist Romania*

Regina Seiwald (University of Birmingham) *Women, Leisure Computing, and the Politics of Technological Memory in the UK*

Session includes a commentator.

Friday 23 October Session 2 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

SU1: History of Chemical Technology

Organisers: Joris Mercelis

Alison McManus

Description:

This informal group brings together scholars with research interests in chemical technologies, broadly construed. At the SHOT 2026 meeting, we will offer scholars an opportunity to network, and we will discuss possibilities for officially reviving the Chemical Technologies Special Interest Group (SIG).

F12: After Kranzberg. What Can Kranzberg's Laws Tell Us Today?

Organiser: **Martina Hessler** (TU Darmstadt)

Moderator: **Martina Hessler** (TU Darmstadt)

Panelists:

Nelson Arellano-Escudero (Aachen University)

Amy Bix (Iowa State University)

Andreas Fickers (Luxembourg Centre for Contemporary and Digital History)

Mar Hicks (University of Virginia)

Emanuel Lukio Mchome (University of Dar es Salaam)

John Bosco Lourdusamy (Indian Institute of Technology Madras)

Hyungsub Choi (Seoul National University of Science and Technology)

Luísa Sousa (Universidade Nova de Lisboa)

Jaume Valentines-Álvarez (Universitat Autònoma de Barcelona)

F13: Technology and the Study of Jewish History

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

Presenters:

Nachum Dershowitz (Tel Aviv University) *AI Meets Jewish Studies*

DZ Kalman (Harvard University) *Jewish Technoculture: What is it, what is its story, and what are its priorities?*

Alison Joseph (Gratz College) *The Digital Reunification of Rebecca Gratz*

F14: Podcasting "The Big Dig"

Organiser: **Rosalind Williams** (MIT)

Speakers:

Ian Coss (GBH) - Panelist

Rosalind Williams (MIT) - Chair/moderator

Technical Assistant (individual not yet identified), Probably MIT, maybe GBH

Friday 23 October Session 3 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

F15: Defining the Engineer: Credentials, Method, and the Language of a Profession (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Speakers:

David L. Ferro (Weber State University) **The Forgotten Engineer — How Tensions Between Engineering and Engineering Technology Degrees and Related Policies Characterize Engineering Identity**

Christos Karampatsos, Nikos Alexis, Antonis Kechrimparis, Kostas Alexopoulos, and Aristotle Tympas (National and Kapodistrian University of Athens / IMS-FORTH) *From 'vulgar arts' to 'civil engineering': Terminological jumble alongside the emergence of Greek polytechnic education, 1845–1887*

Ezra J. Teboul (University of Birmingham & Université du Québec à Montréal) *Recovery epistemologies as a family of methods in the history of technology*

Session includes a commentator.

F16: Networks of Action: Gender, Identity, and Politics

Presenters:

Jacquelyne Thoni Howard (Tulane University) *Newsletter Activism of the Association for Women in Computing, 1978-1991*

Avery Dame-Griff (Gonzaga University) *"We avoid politics like the plague:" Selling the "gay Internet" in Cybersocket Magazine*

Barbara Ganson (Florida Atlantic University) *American Women Aviators and the Gender Politics of Air Racing and Record Setting during the Interwar Period*

F17: Instruments and Bodies

Presenters:

Jiahe Mei (University of California, Berkeley) *The Character of Sight: The Chinese Eye Chart and the Politics of Vision Testing*

Deyanira Cuanal Cano (Universidad Autónoma Metropolitana-Cuajimalpa) *Weather Chambers in History 1900-1950*

Kyna McClenaghan (UC Santa Barbara) *Occulting the History of Scientology's E-Meter*

Friday 23 October Session 3 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

F18: Invention, Expertise, and Industry

Chair: **Damilola Adebayo** (York University)

Presenters:

Carlie Cervantes de Blois (University of Minnesota) *One River, One Plan, One Management: Nippon Koei and the Politics of Comprehensive Development in Indonesia's Brantas River Basin*

Qiuyao Peng (Virginia Tech) *Making Technology Significant: Manufacturing and Installing a Generator Set in Late-1950s China*

Bernardita Escobar (University of Valparaiso) *Patent multitasking and inventive success: the role of patent expertise for resident inventors in the 1877-1910 period in Chile*

F19: Celebrating 100 Years - National Technical Association

Organiser: **Kelsey Gibbons** (MIT)

Chair: **Kelsey Gibbons** (MIT)

Panelist: **Ambrose Jerald** (NOAA)

F20: Culture and Community: Twentieth-Century Jewish Histories of Technology I

Organiser: **Amy Bix** (Iowa State University)

Presenters:

Alona Bach (Tenement Museum) *Lighting the Raduń Yeshiva: Diasporic Networks and Electricity's Social Meanings, c. 1930*

Tamar Rabinowitz (Museum of Jewish Heritage) *Can You Hear Me In the Balcony: Controlling Sound in the American Synagogue*

Ido Ramati (Hebrew University) *Shaping Hebrew Voices: Phonograph, Radio, and the Technological Mediation of Speech*

Ethan Cowan (University of Delaware) *The Soft Age: Computing Technology in Israel 1948-1973*

Friday 23 October Session 4 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

F21: Boundary Objects: Demonstration, Translation, and the Making of Technical Equivalence (Prometheans Session)

Organiser: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Presenters:

Max Chervin Bridge (Harvard University) *'A Spider Needs a Web!': Web-Shooter Bionics and the Cultural Evolution of the Superhuman Body*

Daniel Pillis (Emerson College) *Ivan Sutherland's Trojan Cockroach*

Stefano Locatelli (University of Milan) *The Mazzo di Tocche: Engineering Touch Needles for Gold Commensurability in Renaissance Florence.*

Yingchuan Yang (University of Cambridge) *Peony in Bloom: Mobilization and Innovation in a Beijing Radio Factory*

F22: The Matter of Infrastructure: Perspectives on How Modern Material Technologies Shaped Societies

Organiser: **Carl Zimring** (Pratt Institute)

Presenters:

Lily Baum Pollans (Hunter College) *Pipe Dreams: How the Plastic Industry Rematerialized Water Infrastructure*

Martin Meiske (TU Dresden) *Materialities of Maintenance: The Rise of Creosote and the Contested Remediation of its Toxic Deposits*

Ksenia Litvinenko (Leibniz Institute for Research on Society and Space) *Unsettled Extraction: The Politics of Building Materials in Soviet Portable Architecture, 1950s–80s*

Kirke Elsass (Yale University) *Paving Expectations: Concrete Sidewalks in US Urban Culture and Policy, 1890-1990*

F23: Vernacular Intermediation: Making Technology Work in East Asia

Organisers: **Sangwoon Yoo** (Hanbat University) and **Hyeok Hweon "H.H." Kang** (Washington University in St. Louis)

Speakers:

Subodhana Wijeyeratne (Purdue University) *The Tokugawa Duikerkslok: Importation as Indigenisation*

H.H. Kang (Washington University in St. Louis) *Vernacular Engines: Building the First Working Steamer in Nineteenth-Century Korea*

Yuting Dong (University of Chicago) *Translating Vernacular Knowledge: How Road Engineers Adapted to Horse Carts?*

Sangwoon Yoo (Hanbat University) *Pairing Vernaculars: Carrozzeria, Korean Engineering, and the Making of the Hyundai Pony*

Session includes a commentator.

Friday 23 October Session 4 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

F24: Telling Stories with Artifacts at the Computer History Museum in 2026

Organiser: **Hansen Hsu** (Computer History Museum)

Presenters:

Hansen Hsu (Computer History Museum) *Prototypes across 50 Years of Apple's History*

Dag Spicer (Computer History Museum) *Raiders of the Lost Mainframe: The Invisible Lessons of Material Culture*

Kirsten Tashev (Computer History Museum) *A Tour of CHM's exhibition: Chatbots Decoded: Exploring AI*

F25: The Environments of Technology III: States, Development, and the Politics of Visibility

Organiser: **Maria Carolina Fóscolo Gomes** (Federal University of Minas Gerais)

Presenters:

Blair Stein (Grand Valley State University) *The "Environments" of the DC-9 and the End of Trans-Canada Air Line*

James P. Podgorski (Binghamton University) *Technologies of Circulation and Transformation: Reforestation, Agriculture and the Transformation of Korean Rural Life by Cold War Modernity*

Karen Merritt (Maine Maritime Academy) *Understanding Palanca: Is it Possible to Survive Invisibility to Power?*

Session includes a commentator.

F26: New Public Histories of Plastics: Objects, Media, and Audiences

Organiser: **Roger Turner** (Science History Institute)

Chair: **Charlotte Leib** (Princeton University)

Panelists:

Elsa Devienne (Northumbria University)

Sherri Sheu (Library of Congress)

Roger Turner (Science History Institute)

F27: Disneyland and the Rise of Automation: Technology, Leisure, and Labor

Organiser: **Roland Betancourt** (University of California Irvine)

Panelists:

Rachel Plotnick (Indiana University Bloomington)

Amy Bix (Iowa State University)

Friday 23 October Session 5 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

F28: Between the Shield and the Market: Civilian Actors in the Postwar Dual-Use Nuclear Regime

Organiser: **Nestor Herran** (Sorbonne Université)

Presenters:

Jaytar Sarkar (University of Glasgow) *Curies in the Congo: The Science of Business and the Business of Science*

Michiel Bron (Tilburg University) *Raw Capitalism: Early US Ventures in Acquiring Uranium as an Industrial Enterprise*

Maria Rentetzi (Friedrich-Alexander-Universität Erlangen-Nürnberg) *Making Uranium Traceable: The IAEA and the Problem of Nuclear Provenance*

Toshihiro Higuchi (Georgetown University) *The Price of Secrecy: How the Dual-Use Trap Doomed America's Civilian Atomic Fleet*

F29: Accounting, Finance, and the Fiscal State

Presenters:

Hannah Morand (Yale University) *Persistent Saltscapes: Reinventing the Fiscal Technology of Taxation After the Revolution*

Anna Agafonova (Independent Scholar) *Governing Running Water: Municipal Finance, Borrowing Law, and the Politics of Ownership in the Russian Empire, 1870s–1910s*

Yue Cui (University of Leeds) *Accounting for Addiction: Quantification as a Technology of Colonial Rule in the Kwantung Opium Monopoly, 1905–1945*

F31: The Technology of Automobility: Developing Systems of the Private Car in Early 20th Century America

Organiser: **James Longhurst** (University of Wisconsin - La Crosse)

Presenters:

Kevin Moskowitz (Georgia Southern University) *Designing the 'Fool Proof' Automobile: Anti-Friction Devices and the Development of the Consumer Automobile, 1895-1915*

James Longhurst (University of Wisconsin-La Crosse) *The Boomer Sooner Park-O-Meter: The Legality of Automobility, Public Property and Parking Technology in Oklahoma City, 1934*

Sarah Frohardt-Lane (Indiana University) *Milking the Rubber Shortage for All It Was Worth: How Industry Leaders, Teamsters, and the Office of Defense Transportation Shaped Automobility in the Second World War*

Zachary Schrag (George Mason University) *Comment: "Does Technology Drive History?"*

Session includes a commentator.

Friday 23 October Session 5 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

F32: Policies and Objects: Embedded Political Values and the Material Culture of Technology

Organiser: **Hal Wallace** (National Museum of American History, Smithsonian Institution)

Moderator: **Hal Wallace** (National Museum of American History, Smithsonian Institution)
Collecting Policy: Objects and the Bell System Breakup [moderator's opening remarks]
Max Kwass-Mason (Harvard University) *Fiery Dissent: Computing and Arson During Boston Busing*
Devesh Narayanan (Stanford University) *The Scope Capture of Technology and Its Consequences for the Autonomy of High-Status Professionals*
Mark Hauser (University of South Florida) *There Are No Acoustics in War Work: The Languishing Loudspeaker of the First World War*

F33: Automation and the Environment in Historical Perspective

Organiser: **Adam Quinn** (University of Texas at Dallas)

Commentator: **Tamara Kneese** (Partnership on AI)
Presenters:

Adam Quinn (University of Texas at Dallas) *The Silicon Factory: Labor Automation and Environmental Impacts in the Processing of Semiconductor Materials*
Megan Wiessner (University of Richmond*) "Thus Spake FORPLAN": Public Lands, Administrative Automation, and the Politics of Planning in the 1980's Forest Service"*
Sam Kellogg (University of Richmond) *Computational Earthwork: The U.S. Highway System and the Dawn of Digital Terrain Modeling*
Mario Bianchini (Leibniz-Center for Contemporary History Potsdam) *Abstracting the Automaton: Automation and the Dematerialization of Energy in Divided Germany, 1949-1990*

F34: Fiftieth Anniversary Galleries at the Air and Space Museum, Part 1: New Visions of the History of Space Exploration for a 21st Century Audience

Organiser: Cathleen Lewis (Smithsonian National Air and Space Museum)

Panelists:

Colleen Anderson (Smithsonian Institution National Air and Space Museum)

Jennifer Levasseur (Smithsonian Institution National Air and Space Museum)

Cathleen Lewis (Smithsonian Institution National Air and Space Museum)

Emily Margolis (Smithsonian Institution National Air and Space Museum)

Andrew Meade McGee (Smithsonian Institution National Air and Space Museum)

Samantha M. Thompson (Smithsonian Institution National Air and Space Museum)

Friday 23 October Session 5 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

F35: What's Next?: The Future of HOT Publishing

Organisers: **Lee Vinsel** (Virginia Tech/Johns Hopkins University)

Moderators: **Jennifer Alexander** (University of Minnesota) / **Benjamin Gross** (University of Texas at Austin)

Speakers:

Yulia Frumer (Johns Hopkins University)

Ruth Oldenziel (Eindhoven University of Technology)

Suzanne Moon (University of Oklahoma)

Timothy Stoneman (Georgia Institute of Technology)

Hyungsub Choi (Seoul National University of Science and Technology)

Session 1 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

S1: Alternative Historiographies of Technology (Part I of II)

Organisers: **Ezra Teboul** (University of Birmingham & Université du Québec à Montréal) **Friedrich Cain** (University of Vienna), **Cyrus Mody** (Maastricht University)

Presenters:

Chih-wei Yeh & Ling-Ming Huang (National Sun Yat-sen University) *Global Historiographies? Taiwan's Energy-Semiconductor Entanglement as an Alternative Oil Spillover*

Ding-Liang Chen (National Tsing Hua University) *Postcolonial Programming: Computer Science and Nation-building in Southeast Asia*

Clarissa Ibarra Rosales (California State University, Sacramento) *Sovereign Science: Nuclear Energy as "Sovereignizing Technology" in Post-Revolutionary Cuba (1962—1969)*

S2: Networks, Platforms, and Political Power

Presenters:

Fenwick McKelvey (Concordia University) *SimPolitics: America's Quest to Solve Politics with Computers*

Michael Bivona (Georgia Institute of Technology) *NSTAC: Security, Collusion, and Expertise in the Shadow of the Bell System*

Brian Michael Murphy (Williams College) *Empires of Amusement--UFC, Live Sports Streaming, and the Global Internet Infrastructure*

S3: Selling the Future: Educational Technology as Promise and Policy

Presenters:

Anne Trumbore (University of Virginia) *From Sputnik to GPT Tutors: Education Technology as Political and Economic Policy*

Abraham Gibson (University of Nebraska) *One-Room Schools and the Origin of American EdTech*

Hany Zayed (Marquette University) *Digital Paradoxes: Technological Promises and Educational Realities in Egypt*

Saturday 24 October Session 1 · UTC 12:30-13:30

Boston 8:30-9:30am · London 1:30-2:30pm · Tokyo 9:30-10:30pm

S4: Scaling Up: Chemical Engineering and Large-Scale Industrial Chemical Production in the Twentieth Century

Organiser: **Joris Mercelis** (Aachen University)

Speakers:

Lorenzo Francisci (Independent Scholar) *From 8 Tons to 1,000 Tons a Day: Industrial Ammonia in the 20th Century*

Anthony S. Travis (The Hebrew University of Jerusalem) *From 8 Tons to 1,000 Tons a Day: Industrial Ammonia in the 20th Century*

Pouya Nekouei Rizi (Independent Researcher) *Engineering, Techno-Scientific Capitalism, and the Origins of Environmental Crisis in Central Iran, 1960s–1970s*

Vladimir B. Ladinski (Independent Scholar) *The Rise and the Demise of the Petrochemical Industry in North Macedonia*

S5: Imaginary Technologies and Real Toads

Organiser: **Janet Abbate** (Virginia Tech)

Chair/Moderator: **Darin Hayton** (Haverford College)

Panelists:

Amy Slaton (Drexel University)

David Morton (Independent Scholar)

Janet Abbate (Virginia Tech)

S7: SHOT Business Meeting

TBA

Saturday 24 October Session 2 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

S8: Supercomputers and the History of Technology I

Organiser: **Andra Sonia Petrutiu** (Cornell University) & **Dana A. Freiburger** (Independent Researcher)

Speakers:

Nil Uzun (RWTH Aachen University) *Geopolitics of Speed*

Andra Sonia Petrutiu (Cornell University) *The "Japanese Threat," University Scientists, and Technological Change in U.S. Supercomputing in the 1980s*

Yongjoo Han (Seoul National University) *From Supercomputing to High-Performance Computing: Benchmarks, Law, and the U.S.-Japan Rivalry, 1983-2005*

S9: Alternative Historiographies of Technology (Part II of II)

Organisers: **Ezra Teboul** (University of Birmingham & Université du Québec à Montréal), **Friedrich Cain** (University of Vienna), **Cyrus Mody** (Maastricht University)

Presenters:

Kerry Doran (CUNY Graduate Center) *The New 'New World': The Myth of Personal Computing in the United States, 1968–2005*

Pouya Nekouei Rizi (Independent Researcher) *Historiography of Technology In modern Iran: Techno-Scientific-Capitalism, Production and the Question of State-Building*

Friedrich Cain (University of Vienna) *Crop and Creativity. Developing Socialist Innovation Research in the GDR 1970s-1990s*

S10: Methods for Histories of Engineering: Structures and Modeling (Prometheans Session)

Organisers: **Ryan Hearty** (Johns Hopkins University) and **Ellan Spero** (MIT)

Presenters:

Kristine Grønning Ericson (University of Southern California)

Julie Mark Cohen (Independent Scholar)

Saturday 24 October Session 2 · UTC 13:45-14:45

Boston 9:45-10:45am · London 2:45-3:45pm · Tokyo 10:45-11:45pm

S11: From Connectivity to Coordination: Architectural Foundations for AI-Native Communication Systems

Organiser: **David Michelson** (University of British Columbia)

Chair/Moderator: **David Dias** (PL R&D)

Panelists:

Alberto Leon-Garcia (University of Toronto)

Mallik Tatipamula (Ericsson Silicon Valley)

Vint Cerf (formerly with Google)

John M Cioffi (Stanford University)

S12: Technologies of Landscape

Presenters:

Jeremy Vetter (University of Arizona) *New Urbanism in the National Parks? The History of Public Transit in Rocky Mountain National Park*

Alex Hall (Max Planck Institute for the History of Science) *Between Conservation and Camouflage: Hiding the Military in Plain Sight in the Protected Zones of Britain's South-West Coast*

Joshua Brinkman (North Carolina State University) *The Story with Hydro-Electric Power: Technology as a Site for Forming and Building Boundary Narratives and the Preservation of the Natural Sublime*

S13: Belonging and Resistance

Presenters:

Oishi Dhar (University of Hawai'i at Mānoa) *Steam, Patriotism, and Subaltern Mobility: Indigenous Maritime Enterprises and the Politics of Technology in Colonial Bengal*

A'Ja Lyons (Oklahoma State University) *Space for All of Us: An Examination of Belonging in the Post-Industrial Age*

Saturday 24 October Session 3 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

S16: Unpacking the Edible II: Food Science and Technology in Shaping the Modern World

Organiser: **Elena Kochetkova** (University of Bergen)

Commentator: **Julia Lajus** (University of Helsinki)

Presenters:

Kata Isenring (University of Jyväskylä) *The Meat of the Matter: Conviction, Constraint, and Four Episodes of Reduced Consumption in Finland, 1865–2026*

Marselia Tan (ESSEC Business School*) Got milk? Oscillating moral dominance between the market of infant formula and the intimate practice of breastfeeding in 20th century America*

Ernesto Semán (University of Bergen) *Salmon. From Fictitious Commodity to Fictitious Salmon*

S17: Technology, Gender, and Deindustrialization: A Global Perspective

Organiser: **Yuan Yi** (Concordia University)

Chair: **Josh Grace** (Virginia Tech)

Commentator: **Jacob Eyforth** (University of Chicago)

Presenters:

Yuan Yi (Concordia University) *Textile Machines as Industrial Heritage*

Nina Vodopivec (Institute of Contemporary History) *Caring for Machines: Embodied Knowledge, Gender, and Textile Work*

Lauren Laframboise (Concordia University) *Negotiating Deindustrialization: Technology, Trade Liberalization, and the ILGWU in Canada and the United States*

Saturday 24 October Session 3 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

S18: Technoscience in Cities

Organisers: **Robin Scheffler** (MIT) and **Tiffany Nichols** (Northeastern University)

Speakers:

Hannah Ahlblad (Harvard University) *Innovation and Renewal: Geopolitics, MIT, and the Evolution of Kendall Square*

Jeffrey Nesbit (Temple University) *Constructing Space City: NASA and the Urbanization of Houston's Periphery*

Tiffany Nichols (Northeastern University) *Urban Vibrations: The Expanded Laboratory Environment of Precision Measurement Prototypes*

Robin Scheffler (MIT) *Pedestrian Technoscience: The Biotechnology Industry in Cambridge*

Session includes a commentator.

S19: The Autonomy Paradox: Dependence, Leverage, and the Politics of Semiconductor Sovereignty

Organiser: **Mila Davids** (Eindhoven University of Technology)

Presenters:

Cyrus Mody (Maastricht University) *Semiconductor Manufacturing and Ambiguous Sovereignty*

Alexandra Bliziotis (University of Southern California) *Sovereignty without autonomy: Belarus' semiconductors sector before and after 1991*

Marlise Horvath Schneider (Technical University of Munich) *The EU chips Act 2.0*

Mila Davids (Eindhoven University of Technology) *From Dependence to Leverage: The Making of Semiconductor Power in Taiwan and The Netherlands*

Session includes a commentator.

S20: Fiftieth Anniversary Galleries at the Air and Space Museum, Part 2: New Visions of the History of Aeronautics for a 21st Century Audience

Organiser: **Cathleen Lewis** (Smithsonian National Air and Space Museum)

Panelists:

Joseph Abel (Smithsonian Institution National Air and Space Museum)

Roger Conner (Smithsonian Institution National Air and Space Museum)

Michael Hankins (Smithsonian Institution National Air and Space Museum)

Michael Hulslander (Smithsonian Institution National Air and Space Museum)

Carolyn Russo (Smithsonian Institution National Air and Space Museum)

Saturday 24 October Session 3 · UTC 15:00-16:00

Boston 11:00am-12:00pm · London 4:00-5:00pm · Tokyo 12:00-1:00am

S21: Technologies of Obfuscation

Organiser: **Mar Hicks** (University of Virginia)

Presenters:

Donna J. Drucker (Columbia University School of Nursing) *Trapped by TRAP Laws: Technology and Spatiality in US Abortion Clinics, 1990–2022*

Sonja Drimmer (Williams College) *Of Scrolls and Stars: IBM, Musk, and the Technology of History*

Damien P. Williams (University of North Carolina, Charlotte) *AI Regulation as Necessary But Not Sufficient*

Saturday 24 October Session 4 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

S22: Hidden Histories of the Military Industrial Complex

Organiser: **Mar Hicks** (University of Virginia)

Presenters:

Cassius Adair (The New School) *Parallel Processing: A Trans History of the ILLIAC IV*

Cristina Moreno Lozano (University of Edinburgh) *The Aid to Clinical Diagnosis: The Leeds Computer Diagnosis Experiments, Ancillary Healthcare Professions, and Medical Epistemic Power*

Anna Reser (Johns Hopkins University Press) *A Fragile Pattern of Work: Postwar Research Management at the JHU Applied Physics Laboratory*

S23: At the Intersection of Business and Technology

Organiser: **Dan Levinson Wilk** (SUNY-Fashion Institute of Technology)

Panelists:

Arwen Mohun (University of Delaware)

Xaq Frolich (Auburn University)

Shane Hamilton (University of York)

Glenn Bugos (Moment LLC)

S24: Technologies of Governance: Infrastructure and Empire

Organiser: **Richard Escalante** (University of the West Indies)

Presenters:

Richard Escalante (University of the West Indies) *Broadcasting Empire: Radio as an Infrastructure of Colonial Governance in Trinidad, 1929–1962*

Morgan Breene (Brandeis University) *British Port Infrastructure Projects at Madras and the Consolidation of Imperial Governance, 1770-1895*

Aidan Forth (MacEwan University) *Traveling to Rule: Transport Infrastructure and the Making of a Governing Mentality in Egypt, 1810–1880*

Hannah Morand (Yale University) *Tying French Convicts to Land in Colonies 'Open on All Sides,' 1730-49*

Saturday 24 October Session 4 · UTC 16:15-17:15

Boston 12:15-1:15pm · London 5:15-6:15pm · Tokyo 1:15-2:15am

S25: Large Technological Systems in the 20th Century Global South : Negotiating Agency, Sovereignty, and Governance

Organiser: **Israel A. Ogundumila** (University of Kansas)

Chair: **Waqar Zaidi** (Lahore University of Management Sciences LUMS)

Presenters:

Nnamdi Nnake (McMaster University) *Seeing Technical Labour: How Maintenance and Repair Sustains Complex Networks*

Israel A. Ogundumila (University of Kansas) *Sovereignty in the Skies: Nigeria Airways and the Struggle for Technological Autonomy after Independence*

Marcella Aline Toledo (Temple University) *Diplomacy and Aviation, 1929-1965: The Formation and 'Brazilianization' of Foreign Airline Networks in Brazil*

S26: Supercomputers and the History of Technology II

Organiser: **Andra Sonia Petrutiu** (Cornell University) & **Dana A. Freiburger** (Independent Researcher)

Presenters:

Ricky Wichum (RWTH Aachen University) *The first Cray-2 in Europe (1985): Symbolic Capital and the Politics of Computing Power*

Lara Marziali (Politecnico di Milano) *The Cray X-MP/12 coming to CINECA: How a supercomputing centre in Italy changed in the mid-1980s*

Timothy P. Schultz (U.S. Naval War College) *Decoding the Mind: Supercomputing and Interdisciplinary Efforts to Translate Neural Signals for Machine Control*

Dana A. Freiburger (Independent Scholar) *When multitasking became social and what did supercomputers have to do with it?*

S27: Sound Is not a System: Sonic Cultures, Machine Listening, and Generative AI

Organiser: Magnus Schaefer (McGill University)

Presenters:

Andy Kelleher Stuhl (Seton Hall University)/**Mehak Sawhney** (University of Colorado Boulder) *In Search of the Human in Machine Listening*

Meesh Sara Fradkin (McGill University)/**Sadie Couture** (National Museum of American History, Smithsonian Institution) *Deep, Computational Listening*

Ravi Krishnaswami (Brown University)/**Nick Miskey** (McGill University) *What Makes AI-Generated Music Musical?*

S28: The Political History of the Networked World

Organiser: **Jacob Bruggeman** (Ohio State University)

Presenters:

Jason Ludwig (University of California Santa Barbara) *System Architecture and Authority: Federalism, Fiscal Policy and the Origins of U.S. Data Governance*

Ella Coon (Columbia University) *Caribbean Basin, Inc.: Building "Human Infrastructure" in the 1980s*

Becca Lewis (MIT) *The "Conservative Futurist" Network: Right-Wing Ideology and Telecommunications Policy at the End of the Twentieth Century*

Zachary Loeb (Purdue University) *Paul Revere not Chicken Little: Infrastructural Risk and the Senate Special Committee on the Year 2000 Technology Problem*

Session includes a commentator.

Session 1 · UTC 13:00-16:00

Boston 9:00-12:00am · London 12:00-15:00pm · Tokyo 10:00pm-01:00am

SU2: Women in Technology History SIG (WITH)

Organisers: **Julie Cohen**

Bethany Johnson

Description:

It is the WITH 50th Anniversary!

WITH is a Special Interest Group within SHOT whose membership includes both men and women interested in gender issues. WITH has a two-fold purpose: to serve as a support group to encourage and energize women working within the profession and as an activist group that seeks to foster and promote gender analysis within the history of technology. As founding member and former SHOT President Daryl Hafter has written, WITH's goal is to nurture "the subject and the people." Membership in WITH is open to all members of SHOT.

SU3: Frontier Technology, Policy, and Plural Rationalities (JANUS)

Organisers: **Wang Jingjin**

Session name: Technology, Politics, and Policy in Global Historical Perspectives

Description:

This inaugural meeting aims to bring together scholars interested in the history, politics, and policy of frontier technologies, broadly defined, including outer space systems, artificial intelligence, and other emerging technological domains. In response to the 2026 SHOT theme, "Technology, Politics and Policy," the meeting will explore the possibility of developing a sustained network for the study of frontier technologies through critical and plural approaches.

The 90-minute session will begin with brief self-introductions, followed by an open discussion of shared research questions, methodological and conceptual challenges in studying emerging and ongoing techno-political developments, and possibilities for future collaboration, including joint panels, workshops, and publications. Particular attention will be given to connecting early-career researchers and senior scholars across regions, disciplines, and linguistic traditions, while foregrounding perspectives from the Global South and other historically underrepresented intellectual traditions.

The meeting is open to all SHOT 2026 participants interested in frontier technologies, technology policy and governance, plural rationalities, comparative techno-politics, and critical approaches to emerging technologies.

Sunday 25 October Session 1 · UTC 13:00-16:00

Boston 9:00-12:00am · London 12:00-15:00pm · Tokyo 10:00pm-01:00am

SU4: SIGCIS

Organisers: Elizabeth Petrick

Description:

The Special Interest Group on Computers, Information, and Society (SIGCIS) welcomes all with scholarly interests in the historical dimensions of information technology. Membership exceeds six hundred people worldwide and is open to all without charge, including those who are not members of SHOT. https://www.sigcis.org/

Sunday 25 October Session 2 · UTC 16:30-19:30

Boston 12:30-15:30am · London 15:30-18:30pm · Tokyo 01:30-04:30am

SU5: EnergHist (formerly Jovians)

Organisers: **Tijana Rupcic**

Siegfried Evens

Description:

We are the special interest group for energy historians. Established in 1972 as "The Jovians" and renamed EnergHist in 2025, we are a network that unites everyone interested in the history of energy, electrification, and power infrastructure.

SU6: Exploring Diversity in Technology's History (EDITH)

Organisers: **TBA**

Description:

The SHOT Special Interest Group EDITH supports scholars and scholarship currently underrepresented in the history of technology and SHOT. The dual aims of the organization are to apply the insights of the expanding fields of race, ethnicity, gender, sexuality, class, and disability – and growing attention to intersectionality of such categories — to the scholarship of the history of technology, and to provide an intellectual home within SHOT to a broad range of scholars.

SU7: Mercurians

Organisers: **Nnamdi Nnake**

Alex Magoun

Description:

The Mercurians, who began meeting in 1986 for the purpose of generating networks, are for people who share research, writing, and interests in the histories of communication technologies. www.mercurians.org

SU8: SAGE (SHOT: A Gathering of Elders)

Organisers: Ruth Schwartz Cowan

Description:

SAGE is the special interest group keeping older and/or retired members engaged both in scholarship and in the scholarly community of the history of technology. Through an affiliation with the Consortium for the History of Science, Technology, and Medicine (CHSTM), SAGE also meets virtually for informal topical conversation, workshops focused on scholarly writing, and, occasionally, for lectures. We welcome anyone interested in joining the SAGE network to this meeting.