



SHOT 2025 Annual Meeting Luxembourg - Program

Updated version 25 June 2025

Please note:

- The time slot for a session is 75 minutes.
- SIG Events and Tours are not included yet.
- The program will be updated in the coming week, so the schedule might change.

The SHOT 2025 Annual Meeting is hosted by:



Thursday 9 October 2025

Thursday 9 October 9:00 AM – 2:00 PM

SHOT Executive Council Meeting (*Open to all Members*)

Thursday 9 October 2:30 PM – 4:00 PM

Technology & Culture Editorial Committee Meeting (*Closed Meeting*)

Thursday 9 October 4:00 PM – 5:30 PM

SHOT Business Meeting (*Open to all Members*)

Thursday 9 October 6:00 PM – 9:00 PM

6.00 PM – 7.30 PM: **Plenary opening**

7.30 PM – 9.00 PM: **Opening reception** (*Pre-registration required to prevent food waste*)

Supported by the B and B Stern Foundation Inc, in honor of the Melvin Kranzberg Legacy

Friday 10 October 2025

Friday 10 October 8:30 AM - 9:45 AM

F1: Interventions for a better tomorrow

Chair: TBA

Presenters

Sanghee Bae (Seoul National University): *From Fuel to Foundation: Technologies of Briquette Waste and Urban Transformation in 20th Century South Korea* (Robinson Prize Candidate)

Kate Mancey (Utrecht University): *Electricity and Magic(k)al homes in 20th Century America*

Matthijs Degraeve (FWO/Vrije Universiteit Brussel): *Pioneers of plumbing. Migration and skill formation of sanitary plumbers in late 19th-century Brussels*

Narusa Yamato (Stanford University): *From "Potion" to "Poison": The Transnational Migration of Sterilization Technology and the Professionalization of Dairy Farming in Late Nineteenth-Century Tokyo* (Robinson Prize Candidate)

F2: Making Human Autonomy and Agency: (re)inventing Artificial Intelligence to create Ourselves

Organizer: **Aaron Mendon-Plasek** (Purdue University)

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

Presenters

Aaron Mendon-Plasek (Purdue University): *There was no such thing as AI Winters, and this is a paper about it*

Elizabeth Petrick (Rice University): *"Take my will with them.": The Telescript Programming Language and Mobile Smart Agents in the 1990s*

Luke Stark (Western University): *"A Backwards Flow of Emotional Energy": Machine Learning's Roots in Body Affect*

F3: What Governs Energy? Innovation, Politics & Fear

Chair: TBA

Presenters

Ulrike Felt (Department for Science and Technology Studies, University of Vienna): *Futures Once Promised: Innovation's Forgotten Commitments*

Akira Sakai (Tohoku University): *Nuclear Ship Mutsu - The 1974 Incident: Exploring Socio-Technical Issues Through Critical Analysis of Archival Documents*

Sulfikar Amir (Nanyang Technological University): *Migrating the Atom: Nuclear Politics and Regime Change in Indonesia*

Aliaksandr Piahnanou (KTH Royal Institute of Technology, Stockholm, Sweden): *The League of Nations and the technocratic energy governance in Europe between the two world wars (1918-1939)*

Hajeong Kim (Seoul National University): *Shaping Infrastructure: Natural Gas Introduction in the 1970s-1980s South Korea*

F4: Reading for Resistance: Colonialism, Capital & Company Towns

Chair: **TBA**

Presenters

Sunny Chen (University of California, Los Angeles): *Moving Workers, Moving Commodities: Making the Phosphateville in Protectorate Morocco (1912-1956)*

David Pretel (Universidad Autónoma de Madrid): *Tracks to Conflict: Railways and Capitalism in Mexico's Periphery*

Brenda Omondi (Jaramogi Oginga University of Science and Technology, Kenya): *Migrating Technologies and Agrarian Transformation: A Historical Study of Agricultural Change among the Abaluhya of Busia, Kenya (1894–1978)*

Oluwaseun Williams (The Geneva Graduate Institute): *Dis-/Locating Techno-Humaneness: Animal Slaughter and Colonial Modernity in Decolonising Northern Nigeria* (Robinson Prize Candidate)

F5: Engineering & Tracing Flows

Chair: **TBA**

Presenters

Henrique Oliveira (Institute of Contemporary History): *The remaking of seismic politics? On cost in the history of Earthquake Engineering* (Robinson Prize Candidate)

Tijana Rupcic (Polish Academy of Sciences): *Dams, Diplomacy, and Development: Yugoslav Engineering in the Non-Aligned World*

Xaq Frohlich (Auburn University): *Thinking Inside the Box: Exploring the “life-cycle histories” of food packaging*

Elisa Angeles Fernández (Czech technical university in Prague): *The Barcelonnettes and the Transnational Flow of Hydroelectric Technology in Mexico (1880-1920)*

Junglim Lee (Seoul National University): *Carts, Cooperatives, and the State: Material Migration in Late Chosŏn Korea* (Robinson Prize Candidate)

F6: Media and Technology I

Chair: **TBA**

Presenters

Joshua Brinkman (North Carolina State University): *“Say Something on Your Horn:” Technological Miscegenation, the Sonic Color Line, and the Contested Racialization of Conn Saxophones from the Jazz Age to the Swing Era*

Shu Wan (University at Buffalo): *From Introduction to Localization: A Technology History of Hearing Aids in Republican and Socialist China*

Benjamin Breyer (Barnard College): *Migrating Waves: Edwin Armstrong's FM Radio and the Technological Diaspora of Innovation*

Faridah Laffan (Cornell University): *Textual Migration: Literary Technologies of Victorian Biblical Archaeology* (Robinson Prize Candidate)

F7: Elements of (Technological) History: Infrastructures, Practices, Mediations

Organizer: **Rachel Plotnick** (Indiana University Bloomington)

Chair: **Ranjodh Singh Dhaliwal** (University of Basel)

Presenters

Rachel Plotnick (Indiana University Bloomington): *Acclimatizing Cameras, Conquering Nature: Technological Durability as Technique of Capture*

Liam Cole Young (Carleton University): *Salt, Ships, and Supply Chains*

Ranjodh Singh Dhaliwal (University of Basel): *The Infrastructural Unconscious: On Pipelines and Histories of Computing*

Theodora Dryer (New York University): *Water is not data and water rights are not an algorithm: On confronting the nexus of water innovation and water law*

Friday 10 October 9:50 AM – 11:05 AM

F8: I: Intimate Energies: Negotiating Power in Domestic Spaces

Organizer: **Tiia Sahrakorpi** (Weber State University)

Organizer and Chair: **Fabian Zimmer** (TU Berlin)

Presenters

Abigail Harrison Moore (University of Leeds): *'Sweet ordering, arrangement, and decision': The changing role of the house-wife in nineteenth century domestic energy decisions and the role of the middle-class guidebook.*

Fabian Zimmer (TU Berlin): *Comfort, wartime scarcity and the geography of warmth, Germany 1914–1918*

Tiia Sahrakorpi (Weber State University): *Oral histories of the 1973 oil crisis in Finnish memory*

F9: Migrating Machines and their Makers in the Early Modern World

Organizer: **Pamela O. Long** (Independent Scholar)

Chair: **Pascal Brioist** (University of Tours)

Presenters

Pamela O. Long (Independent Scholar): *Jacques Besson: Fleeing Huguenot and Designer of Machines*

Cristiano Zanetti (CalTech and the Huntington Library): *Welcomed or Barred: The Fate of Migrating Machines in the Early Modern Spanish Empire*

Wenjie Su (Princeton University): *Stones and Rocks on the Move: Migrating Theaters of Machines between Early Modern Europe and China* (Robinson Prize Candidate)

Steven Walton (Michigan Technological University): *Neither King Nor Country: Migrating Engineers in the Age of Revolutions*

F10: Errors and Machines. Histories of Technological Errors in Digital Societies

Organizer and Chair: **Martina Hessler** (TU Darmstadt)

Presenters

Johan Fredrikzon (KTH Stockholm): *Designing Paranoid Machines. Kenneth Colby and the tensions between error and intelligence in 20th century AI*

Martina Hessler (TU Darmstadt): *"The biggest IT Scandal ever". Regimes of Errors in Digital Societies and How a Minor Error Became a Scandal*

Zachary Loeb (Purdue University): *"A very real threat indeed": Understanding the Y2K related errors that did occur*

F11: Western Technologies and Nationalist Aspirations in 20th-Century Socialist Europe

Organizer: **Gennadii Kazakevych** (Taras Shevchenko National University of Kyiv)

Chair: **Olha Martynyuk** (University of Basel)

Presenters

Gennadii Kazakevych (Taras Shevchenko National University of Kyiv): *Contax for Kyiv: Shifting the Camera Manufacturing Industry from Germany to Soviet Ukraine, 1947–1957*

Olha Martynyuk (University of Basel): *Socialism on Test-Drive: Kharkiv-Moscow Road Rallies in 1930-1931 as a Case of Technological Lobbying*

Michal Durco (Slovak Academy of Sciences, Institute of History): *Same technology, different meaning. What did the motorway mean in Czechoslovakia between the 1930s and the 1980s?*

Lyubomir Pozharliev (Leibniz Institute for Regional Geography): *Opening the Future, Stuck into the Past. The Inauguration ceremonies of large-scale technological projects in former Yugoslavia and socialist Bulgaria*

F12: Epistemological Tensions in the History of Machine Learning

Organizer and Chair: **Won Jeon** (University of California, Santa Cruz)

Presenters

Won Jeon (University of California, Santa Cruz): *What the Frog and the Octopus Know (but ChatGPT Doesn't)*

William Lockett (Stevens Institute of Technology): *What the Cyclopean Retina Taught Perceptron Vision*

Daniele Shlomit Sofer (University of Dayton): *For Speculation's Sake: Automating Helmholtz's Myographion*

F13: The Global Solar Village: Domesticating a Cosmopolitan Technology

Organizer: **Cyrus Mody** (Maastricht University)

Chair and Commentator: **Nelson Arellano-Escudero** (PI Fondecyt grant "La construcción del Chile solar" (hosted at Universidad de Chile)):

Presenters

Thomas Turnbull (Max Planck Institute for the History of Science) and **Cyrus Mody** (Maastricht University): *Putting the Development in Research and Development: NASA and the Schuchulik Solar System*

Simone Schleper (Maastricht University): *Private Parties for a New World Order: Maurice and Hanne Strong, Governance, Business, and Environmental Imaginaries since 1970*

Jelena Stankovic (Maastricht University): *Eastern European Émigrés, Domesticity, and the Early Development of Solar Technology in the US (Robinson Prize Candidate)*

F14: Media and Technology II

Chair: **TBA**

Presenters

Sytze Van Herck (Ghent Centre for Digital Humanities): *Migrating Memory: Media Archaeology and the Digital Afterlife of the BBC's Domesday Project*

Miaofeng Yao (University of Minnesota): *Tianxuan Typewriter: An Immigrant Chinese Typing Machine*

Joris Mercelis (Johns Hopkins University): *"Infrared for everyone": Infrared photography as a technology of migration*

Michael Meinel (Radford University): *Migrating Animation to the Digital: Disney's Shift to Computer Animation*

David Michelson (The University of British Columbia): *The Making of Canada: Telecommunications Innovation in the Early Twentieth Century*

Friday 10 October 11:05 AM – 11:35 AM

Coffee Break

Friday 10 October 11:35 AM – 12:50 PM

F15: II: Intimate Energies: Negotiating Power in Domestic Spaces

Organizer and Chair: **Tiia Sahrakorpi** (Weber State University)

Organizer: **Fabian Zimmer** (TU Berlin)

Commentator: **Anna Åberg** (Chalmers University of Technology):

Presenters

Graemme Gooday (University of Leeds): *Domestic energy usage in international context: a global reading of the women's magazine The Electrical Age magazine (1924-1986)*

Mario Bianchini (Leibniz-Zentrum für Zeithistorische Forschung Potsdam): *"Our Housekeeping:" Public Imaginaries of Energy Gaps in the German Democratic Republic*

Sophie Gerber (Technisches Museum Wien): *Out of Sight, out of Mind? Material Culture, Domestic Energy Consumption & the Senses*

F16: Themes of Migration: Satellites and the "New Outer Space" of the 21st Century

Organizer and Chair: **James Schwoch** (Professor, Department of Communication Studies and Program in Science in Human Culture, Northwestern University)

Commentator: **Alexander Geppert** (Associate Professor of History and European Studies, New York University & NYU Shanghai):

Presenters

James Schwoch (Professor, Department of Communication Studies and Program in Science in Human Culture, Northwestern University): *From GEO to LEO to MEO: Migrations, Megaconstellations, and space situational awareness for Luxembourg, the EU, and NATO in the 21st century*

Julia Velkova (Associate Professor, TEMA-Technology and Social Change, Linköping University, Sweden): *Satellite Histories and Materialities in Bulgaria from Intersputnik to Nanosats*

Lisa Parks (Department of Film and Media Studies University of California at Santa Barbara): *Skyward Bound: A History of Satellite Launch Infrastructure and Privatization at the Vandenberg Air/Space Force Base in California*

F17: Powering Self-Reliance: Politics of Energy and Infrastructure in Cold War Asia

Organizer: **Zhongxian Xiao** (Georgia Institute of Technology)

Chair: **Anto Mohsin** (Northwestern University in Qatar):

Presenters

Zhongxian Xiao (Georgia Institute of Technology): *Coming to Terms with Oil Shortage: Politics of Energy Transitions in Modern China, 1930s-50s*

Sung Soo Lee (University of Toronto): *Electrifying the Nation: Politics of Hydropower in North Korea, 1945-1960s*

Ritam Sengupta (O.P. Jindal Global University, Sonipat): *Rural Electrification and Agricultural Modernization in Late-colonial and Postcolonial North India, 1930s-1960s*

Xianglong Zhu (University of Cambridge): *Building Technological 'Self-Reliance': Civil Aviation and the People's Republic of China in the Long 1970s*

F18: I: The Politics of Engineering: Case Studies of Migration, Translation, and Authority (Prometheans Sponsored Panel)

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

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

Presenters

Elena Kochetkova (University of Bergen): *Food Engineering and the Quest for Sustainability in Eastern and Central Europe, 1950s-1980s*

André Pereira (Universidade NOVA de Lisboa): *Arch dams as technologies of migration: the circulation of engineers and displaced people in the construction of Portugal's electrical system of the New State (1933-1974)*

Amy Bix (Iowa State University) and **Taner Edis** (Truman State University): *Free Energy, Manufactured Hurricanes, and 9/11 Jet Fuel: Histories of 'Pseudo-Engineering*

Alexandra Kazakova (Chinese Academy of Sciences): *Lost in Translation: Soviet Engineers in the Industrializing China* (Robinson Prize Candidate)

F19: What is Special in Maintaining Communication Technologies? Caring and Repair Human Connections

Organizer: **Riccardo Ferrigato** (Università della Svizzera Italiana)

Chair: **Gabriele Balbi** (Università della Svizzera Italiana):

Presenters

Riccardo Ferrigato (Università della Svizzera Italiana): *As the Constitution Asks: Maintenance and repair for the first Swiss telegraph network*

Omri Peleman (Tel Aviv University): *The Iron Comrade. Practices of Use and Reuse of Manual Printing Presses in Palestine: 1833-1948*

Stefan Krebs (University of Luxembourg): *The "Technical Time" of the Luxembourgish Telephone System: Reflections on the transformative power of maintenance*

F20: Towards new geographies: Making the invisible, visible

Chair: **TBA**

Presenters

Emily Gann (Ingenium - Canada's Museums of Science and Innovation): *Migrating Technologies, Shifting Depths: Deep Rover and the Geographies and Impact of Canadian Underwater Innovation*

Elexis Williams (Cornell University): *Mobile Hybridities – Menfish, Mermaids & Aquanauts: The Emergence of the Saturation Diver and Circulations of New Human Hybridities in Mid-Twentieth Century Scientific Diving, 1938-1968* (Robinson Prize Candidate)

Sylvia Bates (University of Iceland): *Patents and people: specialised knowledge – or not?*

Yongjoo Han (Seoul National University): *Enforcing Invisible Standard: OpenGL and the Transformation of Graphics APIs, 1989-2000* (Robinson Prize Candidate)

F21: How Technology Travels: Limits and Possibilities of John Krige's Framework

Organizers: **Prakash Kumar** (Pennsylvania State University) and **Timothy Stoneman** (Georgia Tech-Europe)

Chair: **Mario Daniels** (CISPA Helmholtz Center for Information Security)

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

Panellists

Prakash Kumar (Pennsylvania State University)

Simone Turchetti (University of Manchester)

Angelina Callahan (Department of the Navy)

Timothy Stoneman (Georgia Tech-Europe)

Roberto Lalli (Politecnico di Torino)

Friday 10 October 12:55 PM – 2:10 PM – Lunchtime Session

SIG Lunch Meetings to be added

FL1: The Extraordinary Meaning of Ordinary Life: Joy Parr's Pioneering Vision in the History of Technology

Organizer: **Francesca Bray** (University of Edinburgh)

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

Video Director and Presenter: **Jessica van Horssen** (McMasters University)

FL2: Current Politics of Research

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

Panellists

Allison Marsh (University of South Carolina)

Claire Votava (UCLA)

Kristen Lemma (Max Plank Institute)

Cassius Adair (The New School)

Alex Parry (University of Rochester)

Toni Bettaso (Linda Hall Library)

FL3: On "The Connectivity of Things: Network Cultures since 1832"

Organizer: **Sebastian Giessmann** (University of Siegen, CRC Media of Cooperation)

Panellists

Sebastian Giessmann (University of Siegen, CRC Media of Cooperation)

Monika Dommann (University of Zurich, Department of History)

Cyrus Mody (University of Maastricht, Faculty of Arts and Social Sciences)

Elizabeth Petrick (Rice University, Department of History)

Thomas Haigh (University of Wisconsin-Milwaukee, History Department)

Friday 10 October 2:15 PM – 3:30 PM

F22: The analog in migration: when the world embraced “Multimedia”

Organizers: **Fred Pailler**, **Alina Volynskaya**, and **Valerie Schafer** (C2DH, University of Luxembourg)

Chair: **Susan Aasman** (University of Groningen)

Presenters

Alina Volynskaya (University of Luxembourg) and **Fred Pailler** (University of Luxembourg):

Materializing Multimedia: Pits, Tracks and Standards

Eamonn Bell (Durham University): *Toward a more perfect rip: Lessons learned in the digital history of “secure” digital audio extraction (DAE) from CD media*

Theodore Gordon (City University of New York): *Pre-Histories of 1980s Multimedia: Electronic Mediations of the Self*

Yeseul Byeon (Stanford University): *Querying the Dispersed Family: Family Reunification as Multimedia Event in Postwar South Korea*

F23: Migrant seeds, breeds and nutritional knowledge in European food provisioning

Organizer: **Frank Veraart** (Eindhoven University of Technology)

Chair: **Dulce van Vliet** (Eindhoven University of Technology)

Presenters

Frank Veraart (Eindhoven University of Technology): *“Full of Good from Sunny Lands”*

Stathis Arapostathis (University of Athens): *Migrant seeds and breeds as technologies of imaginary enactment in Greek Agriculture, 1920-2000*

Ginevra Sanvitale (Trinity College Dublin): *Paraffin-fed chickens with a view. “Food from oil” and its material infrastructure in 20th century Southern Italy*

F24: Militarised communications technologies: Empire and infrastructure from the late nineteenth to the twenty-first century

Organizer and Chair: **Sebastian Rose** (Loughborough University)

Presenters

Sebastian Rose (Loughborough University): *Imperial airpower and militarised communication systems in the interwar British Mandates*

Burçe Çelik (Loughborough University): *A Deep History of Militarised Communications: A Perspective from the Ottoman Empire*

Mandy Troeger (University of Tübingen): *NATO: A brief communication history*
Lee Grieveson (University College London): *“The Digital Imperium.”*

F25: II: Engineering Infrastructure: Technology Transfer, Labor, and the State (Prometheans-Sponsored Panel)

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

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

Commentator: **Amanda Katz** (Utah State University)

Presenters

Nathan Ciulla (Binghamton University): *Spanning the Valley: Building George Whitehouse’s Viaducts, and the Politics of the Practical Bridge in Britain’s Empire, 1877-1913*

Xiaoyan Zhang (University of Science and Technology Beijing (USTB)): *The Transfer and Diffusion of Coal Mining Technology in China from the Late Nineteenth Century to the Early Twentieth Century: A Case Study of the Kaiping Coal Mine*

Zackary Zong-Kun Chang (National Yanming Chiaotung University): *Cold War Circulation of Infrastructure: RSEA's Dredging Engineering and Vietnam War Engagement of Taiwan*

Jose Nochebuena (University of Mexico (UNAM)): *From Cambridge to the City on a Lake: MIT Soil Mechanics and the Rise of Mexico City's Subterranean Infrastructure*

F26: Innovation Games: Histories of Technological Change in Sports

Organizer and Chair: **Amy Bix** (Iowa State University)

Presenters

Scott Kushner (University of Rhode Island): *Framing the Game: The Technological Enclosure of Sport Spectacle*

Stephen Beitler (Univ. of Calif.-San Francisco): *The Field Grows in the Lab: A Social History of 'Astroturf'*

Ryan Murtha (Minnesota State Univ.-Mankato): *Government Regulation as a Driver for Sporting Innovation: A Case Study in Ski Wax*

Jonathan Silverman (Univ. of Mass.-Lowell): *Between Two Computers: How the Horse Became a Number*

F27: Traveling Individuals and the Shaping of International

Organizer: **Shinhye Jang** (Seoul National University)

Chair: **Andreas Greiner** (German Historical Institute Washington):

Presenters

Shinhye Jang (Seoul National University): *Tourism and Expeditions in the Making of International Airlines in Cuba and Latin America*

Hillary Loomis (Southern Illinois University): *Traveling Tweeds: Unraveling the Global Path of Wool from Scotland to Japan and Back Again*

Speranta Dumitru (University Paris Cité & Ceped): *When Travelling Across Borders Meant Developing International Relations*

Seongjin Yoon (Seoul National University): *The Migration of Gendered Data: Travel Infrastructures, State Policy, and Trans Agency*

F28: Rethinking migration and technology in ancient Africa

Organizers and Moderators: **Robert Nyamushosho** (Queens College, City University of New York) and **Rebecca Bayeck** (Utah State University):

Presenters

Chiwara Maenzanise (Department of Geological Sciences, University of Cape Town): *Middle Stone Age social connectivity: Can stone tools indicate the transmission of cultural ideas?*

Stanley Nyamagodo (Archaeology and Monuments Department, Natural History Museum, National Museums and Monuments of Zimbabwe): *Rock art as a testament to human mobility and technological innovation in ancient Matobo*

Emmanuel Kengo (Department of History and African Civilizations, University of Buea, Cameroon): *Igbo Itinerant Smiths and Iron Technology in Anglophone Cameroon*

Daniel Chukwuma Nzereogu (Department of History and International Studies, Nnamdi Azikiwe University, Awka): *Indigenous Delicacies in Igbo land: Exploring the pre-colonial culinary technology of the Igbo People*

Robert Nyamushosho (Queens College, City University of New York): *Rethinking metals, and metal production in the Zimbabwe culture. Some lesson from ancient Mberengwa*
(Robinson Prize Candidate)

Friday 10 October 3:30 PM – 4:00 PM

Coffee Break

Friday 10 October 4:00 PM – 5:15 PM

F29: East - West Migrations of Digital Technology in the 1980s and 1990s

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

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

Presenters

Alex Wade (Birmingham City University): *Red Threads: Robert Maxwell and the Early International Videogames Industry*

Regina Seiwald (University of Birmingham): *Silicon Behind the Wall: The Economics of Computing Cultures in East and West Germany Before Reunification*

Maria Garda (University of Turku): *California Dreams: Videogames Made for the North American Market in the Polish People's Republic (1983-1991)*

F30: The Devil in the Details: Measurement, Labor, Statistics, and AI

Organizer: **Mar Hicks** (University of Virginia, USA)

Chair: **Damien Williams** (UNC-Charlotte, NC, USA)

Presenters

Nicole Schroeder (Kean University, Union NJ, USA): *Galton's "Anthropometric Laboratory" and Its Legacies*

Joshua Earle (University of Virginia, USA): *Eugenic Legacies in Contemporary Algorithmic Tools*

Sara Simon (Northwestern University, Evanston, IL, USA): *The Labor of Vital Statistics: On John Shaw Billings, the 1890 U.S. Census, and the Rise of the Punched Card*

Mar Hicks (University of Virginia, USA): *"The Polite Convention that Everyone Thinks": Simplifying The Work of Thought for Measurement and Automation*

F31: The historiography of technology in the Nordic countries

Organizer: **Per Lundin** (Chalmers University of Technology)

Chair and Commentator: **Heike Weber** (TU Berlin)

Presenters

Per Lundin (Chalmers University of Technology): *Professional Identity-Building and the Shaping of Cognitive Identity in the Swedish History of Technology*

Saara Matala (Chalmers University of Technology): *The Case of Finland: International Ambitions and Interdisciplinary Pragmatism*

Pål Nygaard (BI Norwegian Business School): *From a Vital Part of the Professionalization of Norwegian History to a Field Left Out?*

Louise Skyggebjerg (CBS Copenhagen Business School): *From Amateurs to a Scattered Scholarly Field – History of Technology in Denmark*

F32: III: Circuits of Exchange: Global Migrations of Computing Knowledge and Expertise (Prometheans Sponsored Panel)

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

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

Presenters

Simona Casonato (Museo Nazionale Scienza e Tecnologia Leonardo da Vinci): *Migrating American culture of computing in Italy: IBM at the Museum*

Jina Hyun (University of Pennsylvania): *Reversing the Brain-Drain: The Overseas Scientist Repatriation Program and Creating the Internet in South Korea during the Cold War (1979-1982)* (Robinson Prize Candidate)

Xi Wu (University of Science and Technology Beijing (USTB)): *Soviet Expertise and Technological Migration in Postwar China: The Construction and Operation of the Beijing Electron Tube Factory (1951–1966)*

Dennis Magnusson (Chalmers University of Technology): *Orienting IT: The Swedish IT Commission's Visit to Japan in 2000 and the Tradition of Swedish Telecom Travels to the East*

F33: Shaping the Minett: Migration, Industry, and Governance

Organizer and Chair: **Stefan Krebs** (Luxembourg Centre for Contemporary and Digital History)

Presenters

Julia Harnoncourt (Independent Scholar): *The Global Minett: Extra-European Migration in the Interwar Period*

Daniel Richter (independent scholar): *Gatekeepers and Lifelines: The Role of Local Actors in Shaping Migration and Housing in the Town of Esch at the Turn of the 20th Century* (Robinson Prize Candidate)

Irene Portas Vázquez (independent scholar): *Forced Nomadism across Western Europe: The Case of Italian Communist Networks in the Minett and Beyond (1920s-1930s)* (Robinson Prize Candidate)

F34: Global Histories of Everyday Technologies in East Asia

Organizer: **Kerry Shannon** (California State University, Dominguez Hills)

Chair: **Paulina Hartono** (University of Texas, Arlington)

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

Presenters

Kerry Shannon (California State University, Dominguez Hills): *The Government 'Reform Toilet' and the Refashioning of Bathroom Practices in Japan, 1920-1930*

Paulina Hartono (University of Texas, Arlington): *Radio Bans: Chinese Technology and Hobbyist Tinkering in a Time of Global Concern*

Tae-Ho Kim (Korean Research Institute of Science, Technology, and Civilization, Jeonbuk National University): *The Kingdom of Butane: Historical Roots of Portable Gas Stoves in Modern South Korean Cuisine*

F35: Technology Transfer in Twentieth-Century China

Organizer: **Zhongtian Han** (Department of History, Trinity University)

Chair: **Elisabeth Kaske** (Institute of East Asian Studies, Leipzig University):

Presenters

Zhongtian Han (Department of History, Trinity University): *Information Collection and Technology Transfer: The Chinese Communist Party's Cryptography, 1927–1945*

Amanda DeMarco (UC San Diego): *China's "Informational Opening": Reform-Era PRC-FRG Coal Delegations as Market Research*

Hongyun Lyu (University of Toronto): *Mediating Currents: Energy Loss, Technology, and Rural Electrification in Socialist China* (Robinson Prize Candidate)

Boyao Zhang (Department of East Asian Studies, University of Toronto): *The Entropy of Bookkeeping: Accounting Vouchers and the Struggle of Information Control in 20th-Century China*

Friday 10 October 5:20 PM – 6:35 PM

F36: Transport and Technology

Chair: **TBA**

Presenters

B. Dalia Hatalova (University of Toronto): *Racial and Economic Exclusivity in Air Transportation Erotica: The Mile High Club in Cinema, Pornography, and Media*

Yusuf Umar Madugu (Bayero University, Kano): *The Nigerian Civil War 1967-1970 and the Migration of Technologies: X-raying Challenges and Opportunities Created in the Transport Industry due to Mass Exodus of Igbo and Yoruba from Kano*

Zohar Sapir Dvir (Tel Aviv University): *A Two-Way Road: Competing Epistemologies of Colonial Automobility in the French Imperial Mediterranean*

Alon Jasper (NYU Law School): *Tracks of Contention: Railroads, Law, and the Struggle for Native Sovereignty in Indian Territory (1855-1886)* (Robinson Prize Candidate)

Henk-Jan Dekker (Bielefeld University): *Calculating Car Culture: How Economic Theories Paved the Way for Automobility*

F37: Military Tech/Space

Chair: **TBA**

Presenters

Lipokmar Dzuwichu (Special Centre for the Study of North East India, Jawaharlal Nehru University, New Delhi, India): *Technology in the Margins of Empire: Firearms in the British Assam Frontier*

Erinn McComb (Del Mar College): *The Importance of Diversity, Equity, and Inclusion (DEI) to NASA's Astronaut Corps*

Garrett McKinnon (North Carolina State university): *The New Top Guns: Tracing the Growth of a World Market for Military Drone Technology*

Andrew McGee (Smithsonian Institution): *"An AI Winter's Tale: NASA, CLIPS, the NeXT Workstation, and the Migration of Aerospace Systems Management into Expert Systems Programming, 1985-1996"*

F38: Emerging Technologies

Chair: **TBA**

Presenters

Ethan Ilhwan Kong (Department of Science Studies, Seoul National University): *Flying Chemist, Flexing Molecule: Swiss Chemist Richard Ernst's US Round Trip and the Ignition of "NMR Revolution", 1960-1975* (Robinson Prize Candidate)

Melody Xu (Johns Hopkins University): *In the eye of the beholder: Norman Mackworth and the development of eye tracking technology in the mid-20th century* (Robinson Prize Candidate)

Jochen Hung (Utrecht University): *A Dual Revolution? German Imaginaries of the Internet and the Process of Reunification, 1990-2000*

Emil Flato (New York University): *Code for Comrades: Digital and human algorithms at the Norwegian Iron-Metal Union, 1970s*

Mirjam Mayer (ETH Zurich): *Digitizing the Desk. Personal Computing in the Swiss Federal Administration, 1980s and 1990s*

F39: The Stories Training Tells: Race, Post/colonialism & Cartoons

Chair: **TBA**

Presenters

Ankita Anirban (Independent Scholar): *How a scholarship program created a scientific community: a case study looking at Black scientists at Bell Laboratories*

Ransford Tei (York University): *Cultivating Modernity: The Role of Agricultural and Industrial Training in Shaping Ghana's Post-Colonial Technological Landscape, 1951–1966*

Laurence Burke (National Museum of the Marine Corps): *Cartoons as Technical Training Material*

Urna Mukherjee (Johns Hopkins University): *From the Dockyard to the Museum: Ship models and their purposes in the age of colonial empires*

F40: Modelling and Computation

Chair: **TBA**

Presenters

Jeffrey Yost (University of Minnesota): *Symbolic versus Stochastic AI in Medicine: Exploring Technology, Labor, and Practice Across Time and Place*

Nicholas Lewis (Los Alamos National Laboratory): *The Hype Machine: Computing, the H-Bomb, and AI in Big Science*

Yooseong Heo (History Department, Duke University): *Counting Back from the Future: Planning Algorithm, Two Forms of Economic Forecasting, and Microeconomic Misfoundations in the East German VIS Project* (Robinson Prize Candidate)

Johannes-Geert Hagmann (Deutsches Museum, Munich, Germany): *A storm in a teacup? Placing dishpan research technology in the history of climate modelling.*

Jonathan Coopersmith (Texas A&M University): *Mental Model Migration: The Evolution and Diffusion of Technology Readiness Levels*

F41: Technology and the Business of Control

Chair: **TBA**

Presenters

Jørgen Burchardt (Middelfart Museum): *From Screws to Cybersecurity*

Simone Fari (Universidad de Granada): *Migration Waves and Technological Revolutions: A Long-Term Interpretive Framework*

Timo Leimbach (Aarhus University): *The birth of the waterfall out of the spirit of agility – Effects of migrating concepts in technology development processes*

Eóin Phillips (Ramon Llull University): *The concrete master race: lock, stock and flow in the imperial-industrial canal system*

Sarvnaz Lotfi (Loyola University Maryland): *The History of R&D Loopholes, or Why You Pay More Taxes Than Amazon*

F42: IV: Engineers in Transit: Case Studies of Migration (Prometheans Sponsored Panel)

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

Commentator: **Adelheid Voskuhl** (University of Pennsylvania)

Presenters

Alain P. Michel (Evry University Paris-Saclay): *What Technical Model Should be Followed? : Detroit USA vs Billancourt France : Migrations of Knowledge and Knowhow Across the Atlantic in the early 1970s*

Andrea Yuri Flores Urushima (Fukui Prefectural University): *Assembling Recovery: Migrating Technologies and Epistemic Translation in the Reconstruction of Fukui, 1945–1955*

Lauren Schaffer (Independent Scholar): *The Migration and Lives of Black RCA Engineers, 1945-1960* (Robinson Prize Candidate)

Justin Castro (Arkansas State University): *Inter-Latin American Engineering in the Late-Nineteenth and Early-Twentieth Century*

Christos Karamatsos (National and Kapodistrian University of Athens) and : **Aristotle Tympas** (National and Kapodistrian University of Athens): *Migrating technologies, but, also, migrating technologists: Engineering between Athens, Munich, Boston and Doha*

Friday 10 October 7:00 PM – Midnight

Conference Party / Social Event in FerroForum (*Pre-registration required to prevent food waste*)

Saturday 11 October 2025

Saturday 11 October 8:30 AM - 9:45 AM

S1: Rebordering the State in Our Postcolonial World: Biometric Identification Technologies as Infrastructure

Organizer and Chair: **Cecilia Passanti** (Centre population et développement (CEPED) Univeristé Paris Cité)

Commentator: **Niovi Valouva** (Chair in Cyber Policy, Departement of Law, University of Luxembourg)

Presenters

Michelle Spektor (Social and Ethical Responsibilities of Computing, Massachusetts Institute of Technology): *From the Oslo Accords to Ongoing Occupation: Biometric Surveillance in the Occupied Palestinian Territories, 1999-present*

Kamal Donko (Laboratoire d'Études et de Recherches sur les dynamiques sociales et le développement local (LASDEL Benin)): *Data and Border Control at the Sèmè Checkpoint: Historicizing Biometric Infrastructures and Local Practices in West Africa*

Nika Soon-Shiong (Department of International Development, University of Oxford): *Outsourcing Violence: The Birth of Biometric Security in Colonial India*

Mallika Dharmaraj (*Logic(s) Magazine, Columbia University*): *Surveillance in Transit: A Chronology of Power, Complicity, and Policing in the Indian Ocean World, c. 1850-Present*

S2: Beyond Dual Use: Mapping the Meanings of Technologies on the Move

Organizer and Chair: **Alice Lovejoy** (University of Minnesota, Twin Cities)

Presenters

Alice Lovejoy (University of Minnesota, Twin Cities): *Taking Stock: Film and Reparations in Allied-Occupied Germany*

Rosamund Johnston (University of Vienna): *The Circulation of Guns in Socialist Czechoslovakia and their Multiple Uses from the Perspective of Arms Workers*

Andrea Bohlman (University of North Carolina at Chapel Hill): *Tape at the Border: Magnetic Recording Returns to West Berlin*

S3: History Channels: Archives, Borders, and the Canalization of the Past

Organizer and Chair: **Zachary Furste** (University of Amsterdam)

Presenters

Zachary Furste (University of Amsterdam): *Unspooling Empire with Turing's "Tape Machine"*

Diego Gómez-Venegas (Independent Media Researcher, Berlin): *Whose Archive? A Personal Journey in Search of Chile's History of Technology (Robinson Prize Candidate)*

Megan Phipps (Goethe University Frankfurt): *Liquid Archives: Tracing Techno-Aesthetic Movements Across Borders*

S4: Technologies of Speculative Futuring in Everyday Life

Organizer: **Jamie Pietruska** (Rutgers University-New Brunswick)

Chair and Commentator: **Rebecca Herzig** (Bates College)

Presenters

Jamie Pietruska (Rutgers University-New Brunswick): *Rain Gauges, Pluvius Policies, and Weather Tickets: Technologies of Weather Gambling in the Nineteenth and Twentieth Centuries*

Meagan Wierda (Université de Montréal): *"Already Our Enemies are Gravely Speculating": African American Activists, the Census of 1850, and Black Demographic Futures*

Malka Older (Arizona State University): *Predictive Fictions: Why Some Forecasts Are Considered Science, and Others Fiction, and How We Signal the Difference*

S5 Cyborg@40: How does the cyborg serve historical research in the 21st century?

Organizer: Margarita Boenig-Liptsin (Assistant Professor of Ethics, Technology and Society, ETH Zurich)

Chair: **Rebecca Lemov** (Professor of the History of Science, Department of the History of Science, Harvard University)

Presenters

Margarita Boenig-Liptsin (ETH Zurich): *Edward Snowden, Donna Haraway, and the Forty-Odd Year Human-Computer Relationship*

Ricky Wichum (Käte Hamburger Kolleg: Cultures of Research, RWTH Aachen): *The Cyborg, the Computer and the State*

Daniela Wentz (Käte Hamburger Kolleg: Cultures of Research, RWTH Aachen): *Mechanical Boys and other Cyborgs. Haraway and Autism History*

Monika Wulz (History of Science, ETH Zurich): *Frictions of Science and Technology in a Multipolar World: The Prehistory of the Cyborg Manifesto in 1980s Yugoslavia*

S6: Formation of national schools of engineering sciences

Organizer and Chair: **Aleksandra Kazakova** (University of Chinese Academy of Sciences)

Commentator: **Carl Mitcham** (Colorado School of Mines)

Presenters

Nan Wang (University of Chinese Academy of Sciences) and **Fangyi Shi** (University of Chinese Academy of Sciences): *What can we learn from the flight experiments of Langley and the Wright brothers ?*

Jizhang Liu (University of Science and Technology of China) and **Anyi Wang** (University of Science and Technology of China): *The National research institute of engineering and its scientific research during the wartime*

Yinghang Huang (Harbin Institute of Technology): *The history of welding talent cultivation in New China and the development of welding discipline at Harbin Institute of Technology*

S7: Migration of Technologies into the Arctic Environment (and Back): Innovations Amidst International Cooperation and War Tensions

Organizer: **Julia Lajus** (Smithsonian Institution and University of Helsinki)

Chair and Commentator: **Ronald E. Doel** (Smithsonian Institution and Florida State University, USA)

Presenters

Julia Lajus (Smithsonian Institution and University of Helsinki): *Technological breakthrough of the 1920s and how it was used to justify the Second International Polar Year of 1932 – 33*

Robert-Jan Wille (Freudenthal Institute, University of Utrecht, The Netherlands): *Arctic Atmospheric Technologies: Colonizing the Northern Air with Balloons, Zeppelins and Rockets*

Urban Wrackberg (UiT The Arctic University of Norway, Tromsø): *Military-driven innovation of meteorological observation methods during WWII*

S8: Signals in Motion: The Repurposing of Communication and Positioning Technologies

Organizer: **Ion Mihailescu** (University of Neuchatel, Switzerland)

Chair: **Gianenrico Bernasconi** (University of Neuchatel, Switzerland)

Presenters

Ion Mihailescu (University of Neuchatel, Switzerland): *Repurposing Time Signals: The Commercial Use of Public Infrastructure at the Neuchâtel Observatory, 1967–1987*

Sabina Luz (Museum of Astronomy and Related Sciences, Brazil): *Broadcasting Time: The Application of Radiotelegraphy to the Transmission of Time Signals – A Global Network and the Brazilian Radiotelegraphic Station*

Inga Schuppener (Collaborative Research Center “Media of Cooperation”, University of Siegen, Germany): *From radio waves to ubiquitous wireless systems: The dynamic infrastructure of the Blue-tooth Technology* (Robinson Prize Candidate)

Saturday 11 October 2025 9:50 AM - 11:05 AM

S9: Digital Borders: Migration and Data Politics, 1950s to 2000s

Organizer and Chair: **Michael Homberg** (Leibniz Centre for Contemporary History Potsdam)

Presenters

Lennart Schmidt (Leibniz Centre for Contemporary History Potsdam) and Moritz Mähr (University of Bern): *Digital Migration Regimes: Technologies of Control in Postwar Europe*

Michelle Pfeifer (Technische Universität Dresden): *Infrastructural Opportunism: Database Interoperability's Lessons from the German Central Foreigner's Register*

Moritz Feichtinger (University of Basel): *Control and Confusion: Digital Monitoring of Migration Flows during the War for Vietnam*

S10: I: [Session Thread: Technologies of Pattern Recognition] Panel 1. Mid-century contexts: Surveillance, Creativity, and Learning

Organizer and Chair: **Valentin Goujon** (Sciences Po)

Organizer: **Alexander Campolo** (Durham University)

Presenters

Rudolf Seising (Deutsches Museum): *Learning like an octopus. A pattern recognition machine in the 1950s*

Aaron Gluck-Thaler (Harvard University): *“The More Backlog the More Merit!”: Pattern Recognition and the Problem of Surveillance Data Overload*

Benjamin Lindquist (N/A): *The Irrational Computer*

S11: Migrating Technologies for Preserving and Reviving Them – Lightning Talks

Organizer: Valérie Schafer (C2DH, University of Luxembourg)

Presenters

Magdalena Grüner (German Museum of the Masterworks of Science and Technology): *Claiming Truth, Picturing Doubt: Reflections on the First Digital Image of the Surface of Mars*

Sebastian Döring (C2DH, University of Luxembourg): *Recording and Real Time Rendering of the acoustic properties of 20th century media in the Maison du son*

Susan Aasman (University of Groningen): *“Staging the Amateur Dispositif”, lessons learned from a media archaeological experiment*

Dinah Pfau (Deutsche Museum Munich): *Historical Re-Enactment with “Dead” Technologies: The Case of the German ElectronSynchrotron*

Thomas Haigh (University of Wisconsin, Milwaukee): *Setting up and maintaining a retrocomputing laboratory*

Fred Pailler (C2DH, University of Luxembourg): *CD-ROMs aren't dead, they're not even zombies...*

Dulce van Vliet (Eindhoven University of Technology): *Historical Data Streams and Measuring Sustainability*

Tatjana Seitz (University of Siegen): *Critical Platform Histories: the case of Facebook's Graph API*

S12: I: Back to the bolts? Engaging materially in a globalizing discipline

Organizer: **Jonas van der Straeten** (Eindhoven University of Technology)

Chair: **Erik van der Vleuten** (Eindhoven University of Technology)

Organizer and Commentator: **Josh Grace** (University of South Carolina)

Presenters

Jérôme Baudry (Swiss Federal Technology Institute of Lausanne): *Repair as Practice and Knowledge: An Ethnography of Two Repair Cafés*

Daniel Sosna (Czech Academy of Sciences): *Disappearing Skills: Material Practices at Landfills*

Tomasz Rakowski (University of Warsaw): *Building, Working, and Dreaming: Socialist Bootleg Technologies in Poland*

Jackson Kariuki Gathanga (Eindhoven University of Technology): *Engaging situated food provisioning practices across Nairobi's urban periphery*

S13: I: Code Histories

Organizer and Chair: **Alexandre Hocquet** (University of Lorraine)

Presenters

Gabriel Alcaras (Sciences Po): *From Coordination to Control: The Evolution of Software Memory Infrastructures*

Steve Jankowski (University of Amsterdam): *The structure of encyclopedic uncertainty: Wikitext and the emergence of a humanist markup language (2003–2008)*

Marcus Burkhardt (Paderborn University): *Historizing APIs: Reconstructing Coding Practices from the Margins of Developer Documentation*

S14: Third-Worldism and Technology Migration: East Asian Foreign Aid to Africa during the Cold War

Organizer: **Dongxin Zou** (Department of Chinese History and Culture, The Hong Kong Polytechnic University)

Chair: **Yi-Tang Lin** (Department of History, University of Zurich)

Presenters

Dongxin Zou (Department of Chinese History and Culture, The Hong Kong Polytechnic University): *Pragmatic Innovation: Medical Technology and Socialist Adaptation in China's Algerian Mission*

N'godo Filomène Ebi (Department of History, Alassane Ouattara University of Bouaké, Côte d'Ivoire): *Evolution and Perception of Chinese Infrastructure Technology in Ghana and Côte d'Ivoire (1980–1990)*

Yi-Tang Lin (Department of History, University of Zurich): *The Manifold Paths of Irrigated Rice Farming Technologies: Taiwanese Agricultural Demonstration Team in Côte d'Ivoire, 1963-1983*

Seung Hwan Ryu (Graduate School of East Asian Studies, Freie Universität Berlin, Germany): *Beyond the Foreign Aid: North Korea-Tanzania Agricultural Cooperation in the Cold War*

S15: Data Migration: Histories, Infrastructures, and Transformations

Organizer and Chair: **Hector Isern Alsina** (Universitat Autònoma de Barcelona):

Organizer: **Grigoris Panoutsopoulos** (Universitat Autònoma de Barcelona)

Presenters

Andrea Álvarez Laorden (Universitat Autònoma de Barcelona): *The migration of technologies in assistance for development in Latin America: the case of Geological Applications of Remote Sensing (1986-1994)*

Anna Drou (Universitat Autònoma de Barcelona): *Satellite data in translation: the role in shaping the Catalan Meteorological Service*

Phillip H. Roth (RWTH Aachen University): *Migrating Bibliographic Data Across the Ocean in Mid-20th Century Particle Physics*

Grigoris Panoutsopoulos (Universitat Autònoma de Barcelona): *Geographies of Data, Hierarchies of Power: Remote Sensing in Postcolonial Africa*

S16: New Directions in the History of International Radio Broadcasting

Organizer: **Tim Stoneman** (Georgia Tech - Europe)

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

Commentator: **Kate Lacey** (University of Sussex)

Presenters

Tim Stoneman (Georgia Tech - Europe): *Reverse migration and the radio receiver: Enchanting the American missionary public from the Philippines, 1945-70*

David Clayton (University of York): *Imperial Designs: radio broadcasting in the British Empire, 1930 to 1960*

Nelson Ribeiro (Catholic University of Portugal): *Building a Nation: Broadcasting and the Creation of National Identities in Angola and Mozambique*

Diego Cortes (University of Oregon): *HCJB: Between Evangelical Heathenism and Ecuadorian Indigenismo*

Saturday 11 October 2025 11:05 AM – 11:35 AM

Coffee Break

Saturday 11 October 2025 11:35 AM - 12:50 PM

S17: Bicycles in motion: New scopes on cities, cycling and mobility justice

Organizer and Chair: **M. Luísa Sousa** (CIUHCT, NOVA School of Sciences and Technology (NOVA U. Lisbon))

Organizer: **Jaume Valentines-Álvarez** (Universitat Autònoma de Barcelona)

Presenters

Diego Cavalcanti Araújo (CIUHCT, NOVA School of Sciences and Technology (NOVA U. Lisbon)): *Bicycles and the City: Reimagining accessibility and informal housing in 1950s-1960s Lisbon (Robinson Prize Candidate)*

Jethron Ayumbah Akallah (Maseno University, Kenya): *Bicycles and Everyday Urban Mobility: The Shifts and Turns in the Adoption and Framing of the Bicycle as a Tool of Power and Mobility in Kisumu City since the 1930s*

Jaume Valentines-Álvarez (Universitat Autònoma de Barcelona) and **M. Luísa Sousa** (CIUHCT, NOVA School of Sciences and Technology (NOVA U. Lisbon)): *Debating mobility futures during the 1970s political turmoil in Portugal*

S18: Building the Non-Aligned World: Knowledge, Infrastructure, and Urban Development in the Global South

Organizer and Chair: **Tijana Rupcic** (KTH Royal Institute of Technology, Sweden)

Presenters

Boyd Ruamcharoen (Massachusetts Institute of Technology, USA): *Weathering Decolonization: Tropical Standards of Durability and Postcolonial Worldmaking, 1947–1970s*

Fernando Alejandro Remache-Vinueza (University of Bremen, Germany): *Theories of economic development, industrialization and the evolution of non-contributory-pension schemes in Argentina 1949-1983* (Robinson Prize Candidate)

Ronald Doel (Florida State University, USA): *Diffusing Technoscience across Cold War Sub-Saharan Africa: How the International Geophysical Year Affected Ghana and former British Colonies*

Renato D'Alençon (Pontificia Universidad Católica de Chile) and **Daniel Korwan** (Independent Researcher): *Failed Industrialization: Housing production knowledge export from the GDR to Chile 1971-73*

S19: II: [Session Thread: Technologies of Pattern Recognition] Panel 2. Patterns, tasks and objectives in speech and language processing

Organizers: **Valentin Goujon** (Sciences Po) and **Alexander Campolo** (Durham University)

Chair: **Dinah Pfau** (Deutsches Museum)

Presenters

Valentin Goujon (Sciences Po): *A Common Task Framework against deceit and glamor? Promoting pattern recognition benchmarks at the National Bureau of Standards*

Susanne Förster (University of Siegen): *Testing Technological Progress: The Role of DARPA in Shaping Standardized AI Benchmarking*

Amira Moeding (University of Cambridge): *Connectionism turns 'statistical.' On the Emergence of the Maximum Likelihood Estimation Algorithm and its impact 1983- 1987*

Alexander Campolo (Durham University): *Next word prediction: A history of the language modeling objective*

S20: Author-Meets-Critics: Every American an Innovator: How Innovation Became a Way of Life (by Matt Wisnioski)

Organizer: **Adelheid Voskuhl** (University of Pennsylvania)

Organizer, Chair and Moderator: **Aleksandra Kobiljski** (French National Center for Scientific Research)

Panellists

Amy Bix (Iowa State University)

Matt Jones (Princeton University)

Aleksandra Kobiljski (French National Center for Scientific Research)

Andrew Russell (SUNY Polytechnic Institute)

Adelheid Voskuhl (University of Pennsylvania)

Matt Wisnioski (Virginia Tech)

S21: II: Code Histories

Organizer: **Alexandre Hocquet** (University of Lorraine)

Chair: **Mathilde Fichen** (Conservatoire National des Arts et Métiers)

Presenters

Titaÿna Kauffmann (University of Luxembourg): *Interface in Code: The Apple Lisa and the GUI as Control Surface*

Kevin Driscoll (University of Virginia): *Programming in print: What amateur code reveals about early microcomputing culture*

Jad Kadan (Tel-Aviv University): *Simultaneous Code: Multiple Invention and the Early Culture of Programming Automation*

S22: Migrations in Igbo Technological Development in Southeastern Nigeria from Earliest Times up to 1970

Organizer and Chair: **Uche Uwaezuoke Okonkwo** (University of Nigeria Nsukka)

Presenters

Uche Uwaezuoke Okonkwo (University of Nigeria Nsukka): *Ogbunigwe (Local Bombs and Ammunitions) Manufacturing and Migrations of Biafran Scientists during the Nigerian-Civil War*

Livinus Ikwuako Okeke (Imo State University Owerri Nigeria): *Migrating Chisels, Shifting Paradigms: The Impact of Colonial Rule and Christianization on Igbo Itinerant Wood Carvers*

Ikenna Odife (Nnamdi Azikwe University Awka Nigeria): *Healing Technology, Migration and Traditional Healthcare Service amongst the Igbo of Southeast Nigeria, 1900-2019*

S23: II: Back to the bolts? Engaging materially in a globalizing discipline

Organizer: **Jonas van der Straeten** (Eindhoven University of Technology)

Chair: **Erik van der Vleuten** (Eindhoven University of Technology):

Commentator: **Josh Grace** (University of South Carolina)

Presenters

Cheryl Hagan (University of Pennsylvania): *Nimble Negotiations: Ethnographic Notes on a Responsible AI Lab*

Anto Mohsin (Northwestern University in Qatar): *Archival Gaps and Digital Traces: Researching Powerline Maintenance through Instagram*

Chloe Thompson (Carnegie Mellon University): *Making Sense of Color: The Impact of Making and Mixing Dyes on Food Colorant Research*

S24: Energy (In)Justices: Social and Cultural Perspectives on the Use(rs) of Heating Technologies

Organizer: **Anna Åberg** (Chalmers University of Technology)

Chair: **Fabian Zimmer** (TU Berlin)

Presenters

Joel Löw (Linköping University), **Anna Åberg** (Chalmers University of Technology), and **Bengt Sandin** (Linköping University): *Innovating, replacing and stealing: Energy deprivation and heating practices in Sweden in the late 19th and early 20th century*

Damiana Salm (Albert Ludwig University Freiburg in Breisgau): *"In Cases of Genuine Hardship": Helping the Fuel-Poor in 1970s Britain (Robinson Prize Candidate)*

Bue Poulsen (Aarhus University), **Mattias Heymann** (Aarhus University), and **Kristian Hvidfeldt Nielsen** (Aarhus University) Co-authored. *Conflict and cooperation: User involvement in district heating in Denmark*

Odinn Melsted (Maastricht University): *The Role of Users in Socio-technical Transitions: The Introduction of Geothermal District Heating in Reykjavík, 1930–1980*

Saturday 11 October 12:55-PM – 2:10 PM – Lunchtime Session

SIG Lunch Meetings to be added

SL1: Sensory walking as history of technology method

Organizer: **Finn Arne Jørgensen** (University of Stavanger)

Facilitators

Melina Antonia Buns (University of Stavanger)

Odinn Melstedt (Maastricht University)

Suzanne Ros (University of Stavanger):

SL2: ERC Projects in the History of Science and Technology: Challenges, Opportunities and Results

Organizer: **David Pretel** (Universidad Autónoma de Madrid) and **Lino Camprubí** (Universidad de Sevilla)

Panellists

David Pretel (Universidad Autónoma de Madrid)

Lino Camprubí (Universidad de Sevilla)

Per Högselius (KTH Royal Institute of Technology, Stockholm)

Inanna Hamati-Ataya (University of Groningen)

Véronique Pouillard (University of Oslo)

Lino Camprubí (Universidad de Sevilla)

SL3: Artificial Intelligence in Teaching History of Technology: An Interactive Roundtable on Experiences, Challenges, and Opportunities

Organizer: **Stefan Esselborn** (University of Stuttgart)

Panellists

Stefan Esselborn (University of Stuttgart)

Christian Götter (TU Braunschweig)

Laura Bodmann (Helmuth-Schmidt-University Hamburg)

Finola Finn (C2DH Luxembourg)

Matthew Jones (Princeton University)

SL4: Mapping Water Infrastructure and Technology: Collaborative Workshop

Organizers and moderators: **Vincent Baptist** (*Delft University of Technology*) and **Carola Hein** (*Delft University of Technology*)

Saturday 11 October 2:15 PM – 3:30 PM

S25: Critiques of Technology Since World War II

Organizer and Chair: *Eric Schatzberg* (Georgia Institute of Technology)

Presenters

Eric Schatzberg (Georgia Institute of Technology): *Postwar Critiques of Technology: A Typology*

Tom Kelsey (National Institute for Economic and Social Research, London): *Economic Liberalism from Within: The Free-Market Critique of 'High Technology' in Post-War Britain*

Salem Elzway (University of Southern California): *Jim Crow-bot: Race and Critiques of Automation during the Cold War*

Sam Franz (University of Pennsylvania): *Of Processors and Labor Process: Joan Greenbaum and Computer People for Peace*

S26: III: [Session Thread: Technologies of Pattern Recognition] Panel 3. What is recognized? Relevance, segmentation, and environments

Organizer: **Valentin Goujon** (Sciences Po)

Organizer and Chair: **Alexander Campolo** (Durham University):

Presenters

Dinah Pfau (Deutsches Museum): *Seeing Patterns, Creating Differences: Neurophysiological Experiments on Vision in 1970s West Germany*

Dieuwertje Luitse (University of Amsterdam) and Tobias Blanke (University of Amsterdam): *From CCN-based Learning to Sequence Modelling: On the Shifting Epistemic Operations of Neural Networks*

Paul N. Edwards (Stanford University): *AI Techniques in Climate Science: Pattern-matching vs. causal understanding*

James E. Dobson (Dartmouth University): *Pattern Matching in Vector Space: The Ontology of Multimodal Models*

S27: Administrative Technologies in the Contemporary Migration History of Luxembourg (Workshop)

Organizer: **Machteld Venken** (C2DH University of Luxembourg)

Workshop Providers

Marijke van Faassen (Huygens Institute KNW Amsterdam)

Rik Hoekstra (Huygens Institute/DH-lab, KNAW, Amsterdam)

Alex Relicovschi (C2DH University of Luxembourg)

S28: Expertise on the Move

Organizer: **Jens van de Maele** (KU Leuven)

Chair and Commentator: **Martin Kohlrausch** (KU Leuven)

Presenters

Jens van de Maele (KU Leuven): *Crossing Borders, Managing Work: Office Architecture Expertise in Transit*

Cecilia Jan (Université Paris Cité): *Work-in-progress: Making Politics through Infrastructures: Computer Scientists as Transnational Actors of African Decolonisations (or Postcolonisation?)* (Robinson Prize Candidate)

Evens Siegfried (KU Leuven): *The Origins of Nuclear Expertise: The Formation of Nuclear Engineering Education in the US and Sweden*

S29: I: Circulation and (Im)mobility in Nigerian History of Science and Technology (Part I)

Organizer and Chair: **Damilola Adebayo** (York University, Toronto, Canada)

Presenters

Olawale Abayomi Adeniji (Nigerian Defence Academy, Kaduna, Nigeria): *Sacred Duty: Technology, Mobility, and the Hidden Infrastructures of Christian Pilgrimage in Northern Nigeria (1914–2020)*

Blessing J. Edet (University of Uyo, Nigeria): *Transportation Technologies and Migrations in the Nigerian Civil War*

Nnamdi Nnake (McMaster University, Hamilton, Canada): *‘Let There Be Light’: Colonial Might, Migration and The Telegraph in Nigeria*

S30: III: Code Histories

Organizer: **Alexandre Hocquet** (University of Lorraine)

Chair: **Titaÿna Kauffmann** (University of Luxembourg)

Presenters

Mathilde Fichen (Conservatoire National des Arts et Métiers): *Prolog in Context: Source Code as a Window into Early European AI*

Stefan Hölzgen (University of Bonn): *Programming the Lingua Franca*

Warren Sack (University of California, Santa Cruz): *On the history of programming language semantics and why it can, paradoxically, make it hard to understand the meaning that code bears for its human audience*

Guilherme Orlandini Heurich (University College London): *It reads like English: on the relationship between human and artificial languages*

S31: Translating Technologies in Modern Japan

Organizer: **Mark (Yu Shan) Chen** (Harvard University)

Chair: **Ruselle Meade** (Cardiff University)

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

Presenters

Mark (Yu Shan) Chen (Harvard University): *Numerical Madness: Translating the modern information regime in the Japanese Empire*

Ruselle Meade (Cardiff University): *A new language for a new profession? Repurposing an artisanal lexicon for marine engineers in nineteenth century Japan*

Lewis Bremner (University of Cambridge): *So Old It's New: Translating the Slide Show in Nineteenth and Twentieth Century Japan*

S32: Soviet SCI_BERIA

Organizer: **Ksenia Tatarchenko** (JHU)

Chair and Moderator: **Julia Lajus** (Smithsonian)

Panellists

Ksenia Tatarchenko (JHU)

Pierre Mounier Kuhn (CNRS)

John Krige (Georgia Tech)

Alina Bykova (Stanford University)

Dick Van Lente (ESHCC)

Saturday 11 October 2025 3:30 PM – 4:00 PM

Coffee Break

Saturday 11 October 4:00 PM – 5:15 PM

S33: I: The Diplomacy of Global Technopolitics

Organizer: **Sam Robinson** (University of York, UK)

Chair: **Matthew Adamson** (McDaniel College, Budapest/Institute for Advanced Studies, Corvinus University)

Presenters

Sam Robinson (University of York, UK): *Transnational Technopolitics: the UN Conference on Science and Technology for Development 1979.*

Barbara Silva (Universidad Católica de Chile): *Fog Catchers: Docile Technologies and International Connections from South to North*

Roberto Lalli (Politecnico di Torino): *Between science and technology diplomacy: The transformations of European Cooperation in Nuclear Fusion Research from the 1950s to the early 2000s*

S34: II: Circulation and (Im)mobility in Nigerian History of Science and Technology (Part II)

Organizer and Chair: **Damilola Adebayo** (York University, Toronto, Canada)

Presenters

Uzoamaka Nwachukwu (Indiana University, Bloomington, USA): *Technology and Disability in Mining Communities, Eastern Nigeria*

Ifeoma Aneke (University of Florida, Gainesville, USA): *Crossing Borders: Indigenous Knowledge Transfer and Healing Memories among African Medicine Men in the Atlantic World*

Matthew Ayodele (Stanford University, California, USA): *Flying Locusts: Imperial Anxieties, Technological Limits, and Locust Control in Colonial Nigeria, 1929 – 1932*

S35: Computers in cartoons: dimensions of public response in five countries, 1950-2000

Organizer and Chair: **Dirk van Lente** (Technical University Eindhoven)

Presenters

Dirk van Lente (Technical University Eindhoven): *Computers in cartoons: theory, method and human-machine interactions in Dutch cartoons*

Martin Schmitt (Paderborn University): *Computer as icons: depictions of digital culture in computational analysis of simple graphic forms*

Ksenia Tatarchenko (Johns Hopkins University): *"Under Maintenance": Computer Representations in Krokodil Magazine of the 1970s*

James Sumner (Manchester University): *Iconic representations of "the computer" in the British comic press, 1945–1990*

S36: The Humanities at Work: Improving Professional Training

Organizer: **Jakob Henningsson** (KTH Royal Institute of Technology)

Chair: **Nina Wormbs** (KTH Royal Institute of Technology)

Presenters

Jakob Henningsson (KTH Royal Institute of Technology): *Will the Engineer Manage? The Early Years of Industrial Economy Education in Stockholm, 1911—1945* (Robinson Prize Candidate)

Chloe Bell-Wilson (UCLA): *The GMO Game: Interdisciplinary Science Learning*

Amanda Katz (Utah State University): *The Humanist and the Technocrat: Humanities Education for Engineering Professionals*

Maria Rentetzi (Friedrich-Alexander-Universität): *The Threat of Critical Thinking*

S37: Moving On: Ageing Technologies and Global Practices of Recycling, Revamping and Remarketing

Organizer: **Andreas Greiner** (German Historical Institute Washington DC, USA)

Chair: **Michael Homberg** (Leibniz-Zentrum für Zeithistorische Forschung, Potsdam, Germany)

Commentator: **Christian Götter** (Technische Universität Braunschweig, Germany)

Presenters

Andreas Greiner (German Historical Institute Washington DC, USA): *Globalizing Technologies in the Face of Demobilization: The German Aviation Industry and the Diversification of its Markets after 1919*

Sarah Ehlers (Deutsches Museum, Munich, Germany): *„For Third World Use Only?“ Banned Pesticides Exports to Developing Countries, 1970s -1990s*

Ayushi Dhawan (Azim Premji University, Bhopal, India): *End-of-Life Ships as “Toxic Waste in Disguise.” Greenpeace Campaigning Against “Dirty” Shipbreaking Practices from 1998 to 2006*

S38: Exploring the Migrating Atom: Migrations and Mobility of Nuclear Technologies in the long 20th Century

Organizer: **Derek Kramer** (University of Sheffield)

Chair: **Heike Weber** (Technische Universität Berlin)

Presenters

Derek Kramer (University of Sheffield): *Moving Markers: Readings of Radiation the Early Cold War World in Korea*

Aske Nielsen (Friedrich-Alexander-Universität Erlangen-Nürnberg): *A Mobile Field: How Radiology was Instrumentalized and Legitimized through Mobility*

Tong Lam (University of Toronto): *Sublime in Motion: The Chian Reaction of Nuclear Photography*

Melina Antonia Buns (University of Stavanger): *(Re-)Moving Radioactive Waste and the International Life of Nuclear Materials*

S39: History and Philosophy of Engineering Science: Focus on China's Experience

Organizer and Chair: **Dazhou Wang** (University of Chinese Academy of Sciences)

Presenters

Dazhou Wang (University of Chinese Academy of Sciences): *The Soviet Union and the Rise of Magnetic Confinement Fusion Research Endeavor in China*

Anjun Xu (University of Science and Technology Beijing): *Yin Ruiyu and the Rise of Metallurgical Process Engineering*

Gong Wang (The Institute for the History of Natural Sciences, Chinese Academy of Sciences): *Technological Innovations in the Development of China's Next-Generation Radar Systems*

Jingjin Wang (Beihang University): *The Evolution of Engineering Scientific Thought in the History of Crewed Space Program*

S40: Transnational Histories of Urban Energy Supply

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

Chair: **Aliaksandr Piahnanau** (KTH Royal Institute of Technology)

Commentator: **Iva Lučić** (Stockholm University)

Presenters

Per Högselius (KTH Royal Institute of Technology): *Fueling the Capital: A Transnational Energy History of Stockholm*

Sissel Bjerrum Fossat (Museum Odense): *Transnational Fossil Energy for Odense, 1850-1950*

Marta Musso (Sapienza School of Advanced Studies): *Glocal Carbon: Coal Supplies and Energy Policies in Turin in the Interwar Period*

Robert Groß (University of Natural Resources and Life Sciences Vienna (BOKU)): *Of System Builders and Entanglers: Vienna's Path to Natural Gas Dependence*

Saturday 11 October 5:20 PM – 6:35 PM

S41: II: The Diplomacy of Global Technopolitics

Organizer and Chair: **Sam Robinson** (University of York, UK)

Presenters

Barbara Hof (Université de Lausanne, Switzerland): *Data sharing through the Iron Curtain (and its diplomatic preconditions)*

Lif Jacobsen (Danish Arctic Institute, Denmark): *Technology and Science on Ice: US-Danish Seismic Collaboration in Greenland, 1966–67*

Matthew Adamson (McDaniel College, Budapest/Institute for Advanced Studies, Corvinus University): *The Techno-diplomacy of Nuclear Information: INIS in the 1960s.*

S42: III: Circulation and (Im)mobility in Nigerian History of Science and Technology

Organizer and Chair: **Damilola Adebayo** (York University, Toronto, Canada)

Presenters

Damilola Adebayo (York University, Toronto, Canada): *From Coal to Hydropower: Development Planning and Economic Progress in Nigeria after 1945*

Eniola Olade (Universidade NOVA de Lisboa, Portugal): *Discovering Persuasive Designs as Migratory Tactics in Early Lagos Newspapers from 1920-1950*

Alex Ugwuja (York University, Toronto, Canada): *'What's Technology without Secrets?' Igbo Ironworkers' Guilds and Trade Protection in the Eighteenth Century*

Patrick Okpalaeke (York University, Toronto, Canada): *"An Expert Utilisation": Unpacking the Technological Ambiguities of the Powell Duffryn Technical Services in the Nigerian Coal Industry, 1947 – 1950*

S43: The Local and the Universal: Organizing European Computing in the 1960s–1980s

Organizer: **Aron Ambrosiani** (Chalmers University of Technology)

Chair: Jeffrey Yost (Charles Babbage Institute, University of Minnesota)

Commentator: **Martin Schmitt** (Universität Paderborn)

Presenters

Aron Ambrosiani (Chalmers University of Technology): *Systems Men and Girls at the Key punch: Gendered Boundary Work in Swedish Computing, 1960s–1980s* (Robinson Prize Candidate)

Lara Marziali (Politecnico di Milano): *IRA-INAF's computational center: how radioastronomers compute the sky* (Robinson Prize Candidate)

Johannes Kleinmann (Leibniz Centre for Contemporary History Potsdam (ZZF)): *The local and the universal: The organisation of computer work at the steel factory Brandenburg an der Havel, 1960s-1980s*

Corinna Schlombs (Rochester Institute of Technology): *High Tech and Routine Work: Computing in the East German Financial System*

S44: By Air and By Sea: Transnational Technology Flows and National Security Regimes

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

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

Presenters

Anselm J. van der Peet (Netherlands Defense Academy/Institute for Military History): *The Search for Information: Dutch efforts to acquire U.S. knowledge and material for Nuclear Attack Submarines, 1956-1970*

Michael Hankins (Smithsonian National Air and Space Museum): *Undetectable Technology Transfers: The International Implications of Building Stealth Aircraft*

Angelina Callahan (Secretary of the Navy Historian): *Offshoring, Outsourcing, and Back Again: The Movement of Shipbuilding Away from (and Back to?) U.S. Shores*

S45: Travelling across epistemic systems: Technology leaving disciplinary and institutional boundaries

Organizer and Chair: **Dania Achermann** (University of St. Gallen)

Presenters

Dania Achermann (University of St. Gallen): *Travelling Technology as Drivers of Interdisciplinarity*

Christian Kehrt (Technische Universität Braunschweig): *From Earthquakes to Artificial Icequakes: The Introduction of Seismic Methods into Glaciology*

Eike-Christian Heine (University of Stavanger): *World Record Speed for Fossil Culture: A 50cc Motorcycle and the Ecological Challenge for Museums of Technology* (Robinson Prize Candidate)

S46: Documenting, Linking, and Interpreting Canada's Endangered Design Heritage

Organizer and Chair: **Jan Hadlaw** (York University)

Presenters

Jan Hadlaw (York University): *"Preserving Canada's Design Heritage: From the DX Collection to the xDX ResearchSpace"*

Aviva Weizman (York University): *"Productive Uncertainty: Developing the xDX LOD Model"*
Rosalind Sweeney-McCabe (York University): *"A Study of the Project G Stereo and xDX ResearchSpace"*

S47: Technology and the Imagination: Fiction, Media, and Models

Organizers: **Phillip Roth** (RWTH Aachen University) and **Timothy Stoneman** (Georgia Tech - Europe)

Moderator and Chair: **Phillip Roth** (RWTH Aachen University)

Panellists

Matthew Eisler (University of Strathclyde Glasgow): *Kyoto Cars and the Modelling of Climate Change Mitigation*

Ana María Guzmán Olmos (RWTH Aachen University): *The Carceral Imaginary of the Science Behind Tasers – And How to Get Rid of Them!*

Steve Jankowski (University of Amsterdam): *Electric Tales and Surprising Circuits: Shorts Stories of New Media (1840-1960)*

Anya Shchetvina (Humboldt-University Berlin): *Manifesting the Internet: Manifestos as a Medium for Imagining Computer* (Robinson Prize Candidate)

S48: Migrating Telecommunications Systems in the 20th Century (Mercurians Sponsored Panel)

Organizer: **Alexander Magoun** (IEEE History Center)

Chair: **Richard John** (Columbia University):

Commentator: **Daniela Zetti** (University of Lübeck):

Presenters

Jasmin Goll (University of Bern): *Dis:Connected by Wire. Transatlantic entanglements and the failure of music delivery by telephone in the U.S., 1907–1916*

Alexander Magoun (IEEE History Center) and **Kenzo Okuda** (Independent scholar): *Choosing a Television Standard in Japan, 1950-1953*

Haris Durrani (Harvard University): *"Orchestrat[ing]' Spectrum: Law, Satellites, & U.S. Empire in Cuba, 1963"*

Saturday 11 October 6:45 PM – 8:30 PM

6.45 PM – 7.30 PM **SHOT Awards Event**

7.30 PM – 8.00 PM **SHOT Da Vinci Lecture 2025**

8.00 PM – 9.300 PM **SHOT Awards Reception** (*Pre-registration required to prevent food waste*)