# Preliminary Program ICOHTEC – SHOT 2024

(Version 24 February 2024)

## Draft Schedule of Events and Activities ICOHTEC-SHOT 2024

### MONDAY 8 JULY 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Entire day</td>
<td>ICOHTEC Winter School (Santiago de Chile)</td>
</tr>
</tbody>
</table>

### TUESDAY 9 JULY 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00 AM - Noon</td>
<td>ICOHTEC Winter School (Santiago de Chile)</td>
</tr>
<tr>
<td>9.00 AM – 4.00 PM</td>
<td>Tours</td>
</tr>
<tr>
<td>5.30 PM – 7.00 PM</td>
<td>Plenary opening</td>
</tr>
<tr>
<td>7.00 PM – 9.00 PM</td>
<td>Opening reception</td>
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### WEDNESDAY 10 JULY 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00 AM – 2.30 PM</td>
<td>SHOT Executive Council Meeting</td>
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<tr>
<td>9.00 AM – 11.00 AM</td>
<td>ICOHTEC Executive Committee Meeting</td>
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<tr>
<td>9.00 AM – 12.30 PM</td>
<td>SHOT Grad Student Workshop I</td>
</tr>
<tr>
<td>9.00 AM – 10.30 AM</td>
<td>Session Block</td>
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<tr>
<td>10.30 AM – 11.00 AM</td>
<td>Coffee break</td>
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<tr>
<td>11.00 AM – 12.30 PM</td>
<td>Session Block</td>
</tr>
<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch break</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>General Assembly ICOHTEC</td>
</tr>
<tr>
<td>2.30 AM – 6.00 PM</td>
<td>SHOT Grad Student Workshop II</td>
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<tr>
<td>2.30 PM – 4.00 PM</td>
<td>Session Block</td>
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<tr>
<td>4.00 PM – 4.30 PM</td>
<td>Coffee break</td>
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<tr>
<td>4.30 PM – 6.00 PM</td>
<td>Session Block</td>
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### THURSDAY 11 JULY 2024

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7.00 AM – 8.30 AM</td>
<td>Breakfast meetings (optional)</td>
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<tr>
<td>9.00 AM – 10.30 AM</td>
<td>Session Block</td>
</tr>
<tr>
<td>10.30 AM – 11.00 AM</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11.00 AM – 12.30 PM</td>
<td>Session Block</td>
</tr>
<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch break</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>SHOT First timers lunch/officers meet students</td>
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<tr>
<td>Time</td>
<td>Event</td>
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<td>--------------------------------------------</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch meetings</td>
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<tr>
<td></td>
<td>- ICOHTEC Kranzberg Lecture</td>
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<tr>
<td>2.30 PM – 4.00 PM</td>
<td>Session Block</td>
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<tr>
<td>4.00 PM – 4.30 PM</td>
<td>Coffee break</td>
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<tr>
<td>4.30 PM – 6.00 PM</td>
<td>Session Block 8</td>
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<tr>
<td>6.15 PM – 7.45 PM</td>
<td>SHOT Community Meeting</td>
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<tr>
<td>8.00 PM – 11.30 PM</td>
<td>Student mixer</td>
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**FRIDAY 12 JULY 2024**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7.00 AM – 8.30 AM</td>
<td>Breakfast meetings (optional)</td>
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<tr>
<td>9.00 AM – 10.30 AM</td>
<td>Session Block</td>
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<tr>
<td>10.30 AM – 11.00 AM</td>
<td>Coffee break</td>
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<tr>
<td>11.00 AM – 12.30 PM</td>
<td>Session Block</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch break</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch meetings</td>
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<tr>
<td></td>
<td>- Keynote lecture</td>
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<td></td>
<td>- Special Interest Groups</td>
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<tr>
<td>2.30 PM – 4.00 PM</td>
<td>Session Block 11</td>
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<tr>
<td>4.00 PM – 4.30 PM</td>
<td>Coffee break</td>
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<tr>
<td>4.30 PM – 6.00 PM</td>
<td>Session Block</td>
</tr>
<tr>
<td>7.00 PM – 11.30 PM</td>
<td>Dinner/Jazz night/Party</td>
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**SATURDAY 13 JULY 2024**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7.00 AM – 8.30 AM</td>
<td>Breakfast meetings (optional)</td>
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<tr>
<td>9.00 AM – 10.30 AM</td>
<td>Session Block</td>
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<tr>
<td>10.30 AM – 11.00 AM</td>
<td>Coffee break</td>
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<tr>
<td>11.00 AM – 12.30 PM</td>
<td>Session Block</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch break</td>
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<tr>
<td>12.30 PM – 2.30 PM</td>
<td>Lunch meetings</td>
</tr>
<tr>
<td></td>
<td>- Keynote lecture</td>
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<td></td>
<td>- Special Interest Groups</td>
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<tr>
<td>2.30 PM – 4.00 PM</td>
<td>Session Block 15</td>
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<tr>
<td>4.00 PM – 4.30 PM</td>
<td>Coffee break</td>
</tr>
<tr>
<td>6.15 pm – 8.15 PM</td>
<td>Joint Awards Event/reception</td>
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**SUNDAY 14 JULY 2024**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00 AM – 5.00 PM</td>
<td>SIGCIS Sunday conference</td>
</tr>
<tr>
<td>9.00 AM – Noon</td>
<td>Special Interest Group workshops</td>
</tr>
</tbody>
</table>
Session Overview ICOHTEC-SHOT 2024

Please note:
- Information on (hybrid) meeting rooms, Special Interest Groups meetings, plenary lectures etc. not included yet.
- SHOT Robinson Prize Candidates are indicated. This indication is preliminary as we are still checking whether all candidates meet the eligibility criteria.

The program will be updated regularly. Please email updates and corrections to the SHOT secretariat (shot.secretariat@tue.nl)

Tuesday 9 July 2024 – 5:30PM-9:00PM

Plenary Opening
Opening Reception

Wednesday 10 July 2024 - 9:00AM-10:30AM

Technologies of Transformation
Organizer: Mar Hicks (University of Virginia)
Chair: Jack Gieseking (City Institute, York University)

Presenters
Aparna Nair (University of Toronto-Scarborough): Sunglasses as Technologies of Empire
Mar Hicks (University of Virginia): Computing, Race, and Professionalization: The First Mainframe at an HBCU
Nikki Stevens (MIT): Parallel Logics of Separation: Data Modeling and Mass Incarceration – SHOT ROBINSON PRIZE CANDIDATE
Varsha Venkatasubramanian (University of California, Berkeley): The Post-Colonial State, Hydrocracy, and the Environment

Cybernetics and AI: Entangled and Global Histories of Knowing and Engineering Complexity
Organizer: Ksenia Tatarchenko (Singapore Management University)
Chair: Egle Rindzeviciute (Kingston University London)

Presenters
Ronald Kline (Cornell University): Cybernetics and the History of Artificial Intelligence
Ksenia Tatarchenko (Singapore Management University): The Omniscient Machine: A Global Spectacle of the Computerized Deciphering
Egle Rindzeviciute (Kingston University London): The Cybernetic Sensibility: Hopes and Failures in Governing Complexity through Scientific Prediction Across the Iron Curtain
Ekaterina Babintseva (Purdue University): A High-Fidelity Model of Human Thinking: Artificial Intelligence in the Soviet Union

Using, repairing and learning in the periphery: for a history of maintenance in Latin America
Organizer: Guillermo Guajardo (Universidad Nacional Autónoma de México)
Chair: David Edgerton (King’s College London)

Presenters

Marlene Barba (Instituto Cultural de Aguascalientes-Universidad Autónoma de Aguascalientes): Reparación y mantenimiento en el sistema ferroviario en Aguascalientes, México: aprendizaje a través del diálogo entre la experiencia y la capacitación formal

Manuel E. Contreras (Academia Boliviana de Historia): La aflicción de la revisión, mantenimiento y reparación en la Empresa Nacional de Ferrocarriles de Bolivia, 1965-1995

Waldo Vila (Universidad Diego Portales): Adaptrar y reparar. La industria de carrocerías y la locomoción colectiva de Santiago de Chile bajo las políticas neoliberales, 1980-1990

Carlos Sanhueza-Cerda (Universidad de Chile): "All the instruments are in good condition". Disputes about the functioning of the telescopes of the National Astronomical Observatory of Chile in the 19th century

Rodrigo Rivero Cantillano (Universidad Adolfo Ibáñez): Operators and watchmen. The early years of telecommunications in Chile 1852-1872

Marcelo Mardones Peñaloza (Universidad Diego Portales): Maintaining the Movement: A Century of Spaces and Tasks in the Tram City. Santiago de Chile, ca. 1850-1950

The Aerospace Sublime: The Intersection of Engineering, Design, and Maintenance
Organizer: Jennifer Levasseur (Smithsonian National Air and Space Museum)
Chair: Jennifer Levasseur (Smithsonian National Air and Space Museum)

Presenters
Michael Hankins (Smithsonian National Air and Space Museum): “This Crap Will Never Get Off the Ground”: How Stealth Aircraft Challenged and Redefined the American Aerospace Sublime
Jennifer Levasseur (Smithsonian National Air and Space Museum): MacGuyvers in Orbit: The Sublime Designs of Hacked Solutions to Space Challenges
Savannah Mandel (Virginia Tech): The Fall of The Asteroid Miners: A History of Space Prospectors and the Legacy they Leave Behind

Imagination is power: remapping sociotechnical imaginaries in modern East Asia
Organizer: Zhongxian Xiao (School of History and Sociology, Georgia Institute of Technology)
Chair: Kate McDonald (Department of History, University of California, Santa Barbara)

Presenters
Xianglong Zhu (Department of History and Philosophy of Science, University of Cambridge): Examining Body, Inspecting Society: Social Justice and Radiological Technology in Modern China
Meng Zhang (Centre for the History of Science, Technology and Medicine, University of Manchester): Resisting State Medicine: Barbers and Anti-Masking Movement in 1930s China
Zhongxian Xiao (School of History and Sociology, Georgia Institute of Technology): Conceiving “Chinese Speed”: Contested Sociotechnical Imaginaries of High-Speed Rail in Post-1978 China

Between use and source – repairing industrial heritage
Organizer and Chair: Michael Hascher (Landesamt für Denkmalpflege im Regierungspräsidium Stuttgart)

Presenters
Maria da Luz Sampaio (University of Évora, Department of History): Repairing and reusing technical and industrial objects of the production chain and in everyday life: The case of sewing machine and vinyl record player
Aude Monié (University of Neuchâtel): Bringing repaired clothes back to life? How historians contribute to knowledge of restored artefacts in museums

Michael Hascher (Landesamt für Denkmalpflege im Regierungspräsidium Stuttgart): Upgrade! Better use for better preservation (of fragments)

Emily Whited (University of Massachusetts Amherst): Darning Stockings, Patching Trousers: Textile Mending Technologies in Early America

Wednesday 10 July 2024 - 11:00AM-12:30PM

Crafting Energescapes: From Optimism to Failure
Chair: TBA

Presenters

Nelson Arellano (Universidad Academia de Humanismo Cristiano): The place of solar energy in XIXth century technologies, sustainability and the Anthropocene turn: uses and discards (1870-1930)

Alexei Kojevnikov (University of British Columbia) and Climério Paulo da Silva Neto (Federal University of Bahia)): Technological Restoration, Revolution and Decolonization: GOELRO and “The Origin of Electricity”

Fernando Williams (CONICET / Universidad Nacional de La Plata (Argentina)): Repairing the soil of extra-Andean Patagonia: environmental liabilities of large hydroelectric dams and their landscape implications

Sonja Schmid (Department of STS, Virginia Tech): Preparedness, Response, and the Politics of Anticipation

Towards new technological counterpoints: Users, Makers, Lenses & Narratives
Chair: TBA

Presenters


Damilola Adebayo (York University, Toronto, Canada): Akinlawon Ladipo Mabogunje and the Making of the Kainji Hydroelectric Dam, 1965-1973

María Paula Diogo (NOVA School of Science and Technology): Center and Periphery as historiographical tools. The art of the fugue

Ana Simões (NOVA School of Science and Technology): Co-author: Center and Periphery as historiographical tools. The art of the fugue

Luqing Zhou (Peking University): Inscription as Repair: Discursive Maintenance of a Transnational Hydropower Station

Pushing the boundaries of heritage: Actors & Spaces
Chair: TBA

Presenters

Benard Busaka (Maseno University): Repair and Maintenance: Critical Technological Practices in Conservation and Preservation of Immovable Cultural Heritage at Gedi Historical Site, Kenya

Roine Viklund (Luleå University of Technology): Mining Legacies - Resource or burden?

Dag Avango (Luleå University of Technology): Co-Author: Mining Legacies

Ronald Duran Allimant (Universidad de Playa Ancha): Reparación y patrimonio cultural inmaterial: el caso de los organilleros chilenos
Exclusion and marginalized actors
Chair: TBA

Presenters
Deyanira Cauanal (Universidad Autónoma Metropolitana-Cuajimalpa): Healing with air: the circulation of iron lungs in polio outbreaks in México (1950-1965)
David Zimmerman (University of Victoria): Refugee Scientists and Engineers in South and Latin America, 1933-1945

Tele-Networks
Chair: TBA

Presenters
Walter Nkwì (University of Leiden): Shaping Technology for Livelihoods: Cell Phone Repairers in Buea, Cameroon
Nnamdi Nnake (McMaster University): Recovering Lost Signals from the Telegraph Networks of Colonial Nigeria
Zeynep Ecem Pulas (Max Planck Institute for the History of Science Berlin): Maintaining the Hejaz Telegraph Line, One Wire at a Time: Ottoman Expertise, Political Discontent and Territoriality

Natural Resources and Exploitation
Chair: TBA

Presenters
Sylvia Marsibil Bates (University of Iceland): Inventors, not inventions: trawl door patents at the turn of the 20th century
Constanza Marin (Universidad Catolica Del Norte): La transformación en la ocupación del suelo rural y modo de vida en torno a la agricultura – SHOT ROBINSON PRIZE CANDIDATE
Lorena Campuzano Duque (Adjunct Professor at the Universidad Andrés Bello): Artisanal and Small-Scale Mining (ASM) and Mining State Formation: A Matter of Technology and Scale?
Nashely Yuvitza Lizarme Villcas (Centro de Historia UNI - Universidad Nacional de Ingeniería): ¿Tecnócratas o burocratas? Los ingenieros civiles y de minas en el desarrollo de un Estado moderno a la peruana entre 1900 y 1920

Wednesday 10 July 2024 - 2:30PM-4:00PM

Politics and Strategies of Repair in Ghana’s Volta River Project
Organizer: Stephan F. Miescher (University of California, Santa Barbara)
Chair: Stephan F. Miescher (University of California, Santa Barbara)
Commentator: Tasha Rijike-Epstein (Vanderbilt University)

Presenters
Stephan F. Miescher (University of California, Santa Barbara): Ghana’s Volta Lake: Infrastructures and the Politics of Repair
Kwabena Agyare Yeboah (University of California, Santa Barbara): Institutional Complex, Ecologies, and Scientific Knowledge of the Volta River – SHOT ROBINSON PRIZE CANDIDATE

R. Lane Clark (Independent Filmmaker, LaLa Productions): “It’s up to us”: Woes of Lake Woman

Bodies Everywhere: Different Forms of Embodiment in the History of Computing
Organizer: Elizabeth Petrick (Rice University)
Chair: Xiaochang Li (Stanford University)

Presenters
Elizabeth Petrick (Rice University): Imagined Bodies Using Imagined Computers at Xerox PARC
Sara Simon (Illinois Institute of Technology): Reengineering Death Registration: The Technology Behind Born-Digital Mortality Statistics
Frank Dittmann (Deutsches Museum): From Chessboard to Soccer Feld – or the Role of Embodiment in Robotics
Andrew McGee (Smithsonian Institution, National Air and Space Museum): Imagined Bodies, Single and Grouped: Mass Aggregation of Embodied Individuals as Non-Embodied Data Points in 1960s and 1970s Debates Over Computerized Public Policy

Rethinking repair (studies)
Organizer: Stefan Krebs (Luxembourg Centre for Contemporary and Digital History)
Chair: Andreas Fickers (Luxembourg Centre for Contemporary and Digital History)

Presenters
Stefan Krebs (Luxembourg Centre for Contemporary and Digital History): Questioning the decline narrative of (consumer) repair
Lee Vinsel (Virginia Tech): Putting the study of maintenance and repair into the world of O&M
Heike Weber (Technical University Berlin): Following technology through time: Repair, reuse, and removal
Florian Hertweck (University of Luxembourg): From sustainable architecture to urban repair

A Tradition to Repair. About the history of Building Conservation Technologies
Organizer: Roman Hillmann (German Mining-Museum/University of Stuttgart)
Chair: Roman Hillmann (German Mining-Museum/University of Stuttgart)

Presenters
Peter I. Schneider (History department of BTU Cottbus): (Co-Authored) From Schinkel to Shared Knowledge: Trajectories of Dealing with Fabric, Meanings and People
Amy Lamb Woods (Professional Engineer): Understanding historic construction and technical advancements in building materials for resilient heritage conservation and preservation
Miles Oglethorpe (President of TICCIH): The Forth Bridge – conservation technologies for an engineering icon and a UNESCO World Heritage Site
Roman Hillmann (German Mining-Museum/University of Stuttgart): History of Conservation as a History of Technology. The example of Industrial Heritage Conservation

Geoingeniería glacial antes y después del cambio climático
Organizer: José Ragas (Instituto de Historia | Universidad Católica de Chile)
Chair: Cristián Simonetti (Pontificia Universidad Católica de Chile)
Commentator: Javiera Barandiarán (UC Santa Barbara)

Presenters
Lucía Moreno Caballero (ANTAR ANDES): Uso de trazadores isotópicos (tritio y radón) para el estudio del impacto del cambio climático en glaciares andinos: el caso del Yana Ucsha (Perú, 2023)
**Jorge Mujica-Urzúa** (Pontificia Universidad Católica de Chile / Universidad Bernardo O’Higgins): La “Capital de los Glaciares Patagónicos”: dimensiones histórico-espaciales de los glaciares en Villa O’Higgins durante las primeras décadas del siglo XXI

**José Ragas** (Pontificia Universidad Católica de Chile): El Glaciar San Rafael y el mercado global de hielo (siglo XIX)

**Cedomir Marangunic** (Geoestudios, Chile): Acumulación artificial con valla de nieve para la formación de glaciares en Chile central (2010-2011)

(Inter)regional perspectives on artefact repair, materiality and embodied knowledge
Organizer: **Madhu Narayanan** (IIT Madras)
Chair: **Sarah Teasley** (RMIT University)

**Presenters**

**Madhu Narayanan** (IIT Madras): Repair and Making: Untold Stories of Weaving Baskets in South India

**Sarah Teasley** (RMIT University): Incentives for making, maintaining and repairing furniture in postwar Japan

**Renée Riedler** (Weltmuseum Wien): Reflecting on the preservation of objects made of natural materials obtained from plants and animals through replication in conservation practice

**Thamarai Selvan Kannan** (IIT Madras): Makers and Users’ Knowledge: Repairing and Maintaining Sound Instruments in South India

**Wednesday 10 July 2024 - 4:30PM-6:00PM**

Changing Medicine
Chair: TBA

**Presenters**

**Ryan Carty** (Michigan State University): Vaccine Infrastructures: Animal and Human Labor in Twentieth Century West Africa – **SHOT ROBINSON PRIZE CANDIDATE**

**Kaija-Liisa Koovit** (University of Strathclyde): The concept of repair in knee arthroplasty technology

**Cristian Navarrete** (Pontificia Universidad Católica de Chile): Unsticking ourselves from antimicrobial resistance: a political journey from lab benches to global health inequalities

**Clara Cuevas** (El Colegio de México): La sangre imaginada: tecnologías de la reparación sanguínea en México

Hydro violence to quench imperial ambitions
Chair: TBA

**Presenters**

**Jesudoss Arokiam** (Loganatha Narayanasamy Government College affiliated to University of Madras): Irrigation technology and repair works in Madras 1850 – 1950: Cropscapes and disease imprint

**Johannes Chan** (York University): The Metabolism of Empire: Ontario Watermills and Reparations in More-Than-Human Worlds – **SHOT ROBINSON PRIZE CANDIDATE**

**John Bosco Lourdusamy** (Indian Institute of Technology Madras) – **SHOT ROBINSON PRIZE CANDIDATE** – and **Mahendranath Sudhindranath** (Indian Institute of Technology Madras): Reclamation, Repair, and Rice: Socio-Technical Processes in the Backwaters of a Princely State in Colonial India, c. 19th-20th century

**Baasit Abubakr** (Jawaharlal Nehru University, New Delhi, India.): Hydropower in the Himalayas: Empire, Electricity and Labour Precarity vis-a-vis Construction, Repair and Maintenance in the Princely State of Jammu & Kashmir
A measure of certainty: Time, locks & data
Chair: TBA

Presenters
Julián Gressot (Université de Neuchâtel): Time Measurement at the Neuchâtel Observatory (1858-1960) – SHOT ROBINSON PRIZE CANDIDATE
Adam Pisarek (University of Silesia, Institute of Culture Studies): How to repair the wetland landscape? Measurement techniques in the service of conservation practices
Daves Rossell (Savannah College of Art and Design): Technology for Protection: The Proliferation of Locks in the American Residence, 1900-1950

Preservation of natural resources and the environment
Chair: TBA

Presenters
Henk-Jan Dekker (CNRS-CIRED): Maintaining the German forest: Timber, technology, and industrialization in the history of ideas, 1850-1900
Maria Paz Almenara (New York University): Data Landscapes: Computational Aesthetics, Environmental Aesthetics and Techniques of Colonial "Looking"
Elias Amaya Nuñez (Universidad de Tarapacá): Políticas tecnológicas, ingenieros y el programa tecnológico en energías renovables durante el Gobierno Revolucionario de las Fuerzas Armadas (Perú, 1968-1980)
Martin Schmit (Paderborn University, Institute of History): Sustainable foreigners to repair and conserve European natures? Experimental cultivation of foreign tree species and their use in reforestation in Spain and Prussia

Digital communication
Chair: TBA

Presenters
Salwa Hoque (Yale University): Neocolonial Digitality: Limitations of Digital Tools to Process Non-English Script
Julio Gutiérrez (Universidad Adolfo Ibáñez): Más que reparación, remediaciון: readecuación de prácticas de enseñanza de oratoria y escritura académica en el contexto post-pandemia
Ian Glazman-Schillinger (Syracuse University): Liberty Bell's Electronic Ring: The Online Production, Presentation, and Maintenance of a White Power Activist Magazine between 1983 and 1999 – SHOT ROBINSON PRIZE CANDIDATE

Affixing moral values at the crossroads of patents, hackers & witchcraft
Chair: TBA

Presenters
Benedicto Acosta (Universidad de Salamanca): A brief history of moral and political concerns about patents
Cristián Palacios (Universidad Alberto Hurtado): "Un oficio que es arte además de ciencia": una aproximación histórica del técnico dactiloscopio en Chile, 1930-1954
Chu Eric Kangha (University of Buea): Thunder Technology and Justice in Esu - Cameroon, 1880s - 1986
Jacob Bruggeman (Johns Hopkins University): Sizing up Ma Bell: Phone Phreaks, Vernacular Technoscience, and the Politics of System
Thursday 11 July 2024 - 9:00AM-10:30AM

New directions in Nigerian history of technology (Part 1)
Organizer and Chair: Damilola Adebayo (York University)

Presenters
Patrick Okpalaeke (York University): Gender as a Useful Analytical Category in Nigerian History of Technology
Ifeoma Aneke (University of Florida): Psychiatry, Technology, and Indigenous Knowledge in Precolonial and Colonial Nigeria
Prince Vincent-Anene (University of Wisconsin-Madison): The Moving Palace: Rethinking African Histories of Technology through Automobiles in Nigeria

Engineering Repair, Repairing Engineers (Prometheans Sponsored Panel)
Organizer: Zachary Loeb (Purdue University)
Chair: Ellan Spero (Massachusetts Institute of Technology)

Presenters
Zachary Loeb (Purdue University): “We could have fixed it” – Computer Professionals and the Year 2000 Technology Problem
José Nochebuena (National University of Mexico): Social Connections Among Mexican and American Engineers and Their Influence on the Repair of Mexico City’s Drainage System
Katherine Vyhmeister (Universidad Adolfo Ibáñez): Unveiling Hidden Narratives: Exploring Small-Scale Repair Initiatives in Post-Independence Chile

Desigualdad, precariedad y adaptación en los usos de la ciencia y la tecnología (Parte 1)
Organizer: Stefan Meier (Pontificia Universidad Católica de Chile)
Chair: Felipe Cárcamo (Pontificia Universidad Católica de Chile)

Presenters
Eduardo Godoy (Universidad Andrés Bello): De anhelos y realidades en el Instituto de Higiene. Estrategias de gestión y adaptación técnica en la práctica de análisis de las secciones de química y bacteriología, Santiago 1892-1902
Stefan Meier (Pontificia Universidad Católica de Chile): “Para reparar el daño se le habia metido un pedazo de cañon de pluma”. Precariedades, técnicos y reparaciones en la astronomía y meteorología chilena (1852-1891)

Fire technologies. Contained combustion in the history of technology, 17th to 20th centuries
Organizer and Chair: Diego Arango López (Universidad Católica del Maule)

Presenters
Amparo Prieto (Universidad de Zaragoza): Lámparas-tarro en los mapas nocturnos de Colbún
Diego Arango López (Universidad Católica del Maule ): Fuego para la noche en Chile. Tecnologías para combatir el frío y la oscuridad. S. XVIII-XIX
Francisco Sibaja (Colegio de México ): Régimen de fuego y ganadería en el Caribe colombiano, siglo XX
Vincent Daumas (Université de Rennes 2): La fundición de metales “negrillos” en Potosí: un fracaso tecnológico (siglos XVII y XVIII)

Reworking and Reconnecting: The influence of artificial intelligence on the historical research process
Organizer and Chair: Janet Toland (Victoria University of Wellington)

Presenters
Olli Rappe (Aalto University, Finland): Epistemic tensions in the use of Artificial Intelligence in historical research process – SHOT ROBINSON PRIZE CANDIDATE
Sebastian Boell (University of Sydney Business School, Australia): Co-author Epistemic tensions
Adrián Santuario (National Autonomous University of Mexico): Chromatocracy: The Pantone of Mexican Social Mobility – SHOT ROBINSON PRIZE CANDIDATE
Luke Stark (Western University, London Ontario) and Daniel Arauz Nuñez (Western University, London Ontario) — SHOT ROBINSON PRIZE CANDIDATE – Margaret Mead and Machine Translation

Mending history of technology: ideas for the future direction of the discipline
Organizer and Commentator: Anto Mohsin (Northwestern University in Qatar)
Chair: Sulfikar Amir (Nanyang Technological University)
Commentator: Anto Mohsin (Northwestern University in Qatar)

Presenters
Michael O’Reilly (Barchester Healthcare): A longue durée approach to the history of technology
Anto Mohsin (Northwestern University in Qatar): Technology in world history: a comparative analysis of three textbooks
Sulfikar Amir (Nanyang Technological University): Maintaining Vulnerability: The Sociotechnical Construction of Nuclear Disaster in Fukushima Daiichi

Thursday 11 July 2024 - 11:00AM-12:30PM

Tele-exclusion/resistance
Chair: TBA

Presenters
Derek Vaillant (University of Michigan): Jim Crow On the Line: Gender, Race, and the Politics of Radio Communication (1912-1918)
Agnieszka Dytman-Stasieńko (University of Lower Silesia, Wrocław, Poland): Adjusting, tinkering, and hacking as a form of technological resistance in Poland in the 80s
Carson Benn (Lincoln Memorial University): Educational Television in the Mountain South of the United States: Incorporating “Place” as a Measure of Care in Distance Learning Technology
Yoehan Oh (Yale University): Offshore Production of Video Display Terminals in an Immigrant Entrepreneur’s Homeland, 1964-1989: Weaving histories of America, of Asian America, and of Asia through electronics

Dis/abilities and crisis
Chair: TBA

Presenters
Megan Johnson (University of Guelph) – SHOT ROBINSON PRIZE CANDIDATE –, Eliza Chandler (Toronto Metropolitan University), and Carla Rice (University of Guelph): Resisting Ableism: Maintaining Crip through Slow Technology

Catalina Silva (Universidad Diego Portales): Telerehabilitación: Adaptación de prácticas atención kinesiológicas a plataformas virtuales

Deyanira Cuanal Cano (Universidad Autónoma Metropolitana-Cuajimalpa): Healing with air: From circulation of iron lungs to circulation of moral models in polio outbreaks in México (1950-1965) – SHOT ROBINSON PRIZE CANDIDATE

Magda Szarota (Lancaster University): Reimagining Repair: Disabled Living Projects and Systemic Transformation

Politics of display: Trauma & innovation at the museum
Chair: TBA

Presenters
Eric Hintz (Smithsonian Institution): Inventing for Sports
Breno Borges (Centro Interuniversitário de História da Ciência e da Tecnologia): The metamorphoses of plastic, the "MOPRA" project
Magdalena Zdrodowska (Jagiellonian University, Poland): To document to commemorate? Public health history on display
Alejandra Ruiz-León (Georgia Tech): Caged Knowledge: The history of TECNO-ITINTEC, the first interactive science museum in South America

Emerging cultures or computing
Chair: TBA

Presenters
Fenwick McKelvey (Concordia University): World machines? Computer simulations as models of International Relations
Miguel Muñoz (Universidad Tecnológica Metropolitana): Cambio tecnológico en el ámbito del comercio internacional: la llegada de nuevas tecnologías de la información para los procedimientos aduaneros en la década de 1960
Nabil Hassein (New York University): A history of Arabic-based programming languages

Repairing and its practitioners
Chair: TBA

Presenters
Emmanuel Kengo (University of Buea, Cameroon): From iron technologists to repairers of iron technology: The chequered history of iron technology in the North West of Cameroon ry
Lawrence Chichebem Solomon (Nnamdi Azikiwe University, Awka, Nigeria): The Public Works Department (PWD) and Public Infrastructure Repair and Maintenance in Colonial Southeastern Nigeria, 1896-1960
Denis Ljuljanovic (TU Darmstadt, History of Technology): Cultures of Repair and Dysfunction: The Evolving Narrative of Digitally Connected Factories
Rohini Patel (University of Toronto): Delimiting Technologies, Damage, and Infrastructures of Repair: Agent Orange Redress Politics in the 1980s

Learning on the go: Technical education & experiential knowledge
Chair: TBA

Presenters
Phoenix Paz (The Graduate Center, CUNY): Ties that Bind: Lumber and Labor on Turn of the Century Colombian Railways – SHOT ROBINSON PRIZE CANDIDATE


Antoni Roca-Rosell (Institut d’Estudis Catalans): At the origin of technical education: from private to public learning in the XVIII century. The options in Reims, Barcelona, and Maó

Daniel Pérez-Zapico (Department of Modern History. Faculty of Philosophy and Liberal Arts. Autonomous University of Madrid): The Workings of National-Catholic Electricity. Electrical Engineering in early 20th Century Spain and the Catholic Institute of Arts and Industries

Thursday 11 July 2024 - 2:30PM-4:00PM

New directions in Nigerian history of technology (Part 2)
Organizer: Damilola Adebayo (York University)
Chair: Patrick Okpalaeke (York University)

Presenters

Odinaka Kingsley Eze (Massachusetts Institute of Technology): Apprenticeship and Knowledge Production: Reimagining Science and Technology Education in Postcolonial Nigeria

Sochima Peppertus Okafor (University of Mississippi): Buildings of Deceit: Artisans, Colonial Cinemas, and the Transformation of Nigerian Cultural Values

Mathias Chukwudi Isiani (University of Pennsylvania): Who Built the City? Re-examining the Architects of Onitsha City, Nigeria

Adeniji Abayomi (Nigerian Defence Academy): Crisis Negotiations and Technology in Hostage Situations: Transforming Kaduna’s Security Paradigm in The Digital Age

Impair/Repair: Disability Histories of Science and Technology
Organizer: Mara Mills (New York University)
Chair and Commentator: Jaipreet Virdi (University of Delaware)

Presenters

Mara Mills (New York University): The History of "Impairment"

Sarah Rose (University of Texas at Arlington): “The Workmen’s Compensation law is a direct slap in the face”: Industrial Medicine, Safety Engineering, and the Problem of Disabled Workers, 1910s-1940s

Frank Mondelli (University of Delaware): Visible Vowels and Listening Limbs: Assistive Erasure in Japanese Publics

Desigualdad, precariedad y adaptación en los usos de la ciencia y la tecnología (Parte 2)
Organizer: Felipe Cárcamo (Pontificia Universidad Católica de Chile)
Chair: Stefan Meier Valenzuela (Pontificia Universidad Católica de Chile)

Presenters

Lucia Ortiz de Zárate Alcarazo (Universidad Autónoma de Madrid): Desigualdad tecnológica: formas de injusticia en la Inteligencia Artificial

Yenisa Guizado Mercado (Universidad Nacional Mayor de San Marcos.): Informática y sociedad en un país desigual: el Centro de Cómputo de la UNI (1964-1980)

Felipe Cárcamo (Pontificia Universidad Católica de Chile): Los primeros intentos por testear la Teoría de la Relatividad General: una historia de precariedad y desigualdad en la física contemporánea

(In)visible matters: unseen agents and actors in science and technology (Part 1)
Organizer and Chair: **Hugo Pereira** (CIUHCT - NOVA School of Science and Technology)

**Presenters**

**Ana Rodrigues** (CIUHCT - Faculty of Sciences of the University of Lisbon): Searching for Visibility: Iberian Early Modern Gardeners  
**Carmo Lacerda** (CIUHCT - Faculty of Sciences of the University of Lisbon): Who’s Guiding the Ship? Unveiling the Agency of Early Modern Oceanic Pilots  
**Hugo Pereira** (CIUHCT - NOVA School of Science and Technology)): The power of photography to give visibility to the invisible actors in science and technology

**Electrificando Chile: aproximaciones metodológicas para reparar nuestra historiografía**
Organizer: **Cecilia Ibarra** (Universidad de Chile)  
Chair: **José Soto** (King’s College London)  
Commentator: **Carlos Sanhueza** (Universidad de Chile)

**Presenters**

**José Soto** (King’s College London): Explorando el rol de la materialidad para transformar las relaciones de poder en el Plan de electrificación de Chile  
**Marion Steiner** (Universidad de Chile): Historiografías desde la comunidad glocal: Hacia una patrimonialización crítica del Complejo Hidroeléctrico El Sauce y La Luz en Valparaíso  
**Mónica Humeres** (Universidad Diego Portales): Desentrañando la creación de un futuro brillante: Estadísticas, desastres y el nacimiento de la energopolítica en Chile durante la década de 1930  

**Maintain the Play – On Ludic Objects in Public Spaces**
Organizer and Chair: **Florian Bettel** (University of Applied Arts Vienna)

**Presenters**

**Margarete Jahrmann** (University of Applied Arts Vienna): FIX the World with Play! And quick fix with Experimental Game Cultures?  
**Stefan Poser** (Karlsruhe Institute of Technology, KIT): Street Art – A New Perspective on Subversive Games?  
**Florian Bettel** (University of Applied Arts Vienna): Topographies of Viennese Play Cultures

**Thursday 11 July 2024 - 4:30PM-6:00PM**

**Preventing and responding to disaster, human-made or otherwise**
Chair: TBA

**Presenters**

**Mariana Calvo** (Stanford University): Damming Disparities: Repairing the Hidroituango Dam and the Wounds of Colombia’s Conflict  
**Steffen Markx** (Institute of Concrete structures - TU Dresden) and **Jakob Vogt** (Institute of Concrete structures - TU Dresden): On the history of prestressed concrete structures - the importance of failures for the preservation of structures  
**Jorge Alonso Rodríguez Ortiz** (Czech Technical University in Prague) and **Marcela Efmerova** (Czech Technical University in Prague): A technical discussion of spark arresters on steam locomotives. Engineers’ response to a safety and environmental protection issue.
**Marco Barrientos** (Universidad de Santiago de Chile): Unreinforced masonry heritage buildings and strengthening techniques during 20th Century in Chile: Historical perspectives toward contemporary controversies.

**Reprogramming sex and gender**
Chair: TBA

Presenters
- **Amira Moeding** (University of Cambridge): ‘Always better for men than for women’: On conceptions of fairness, bias, and standards in ‘data-driven’ artificial intelligence research – SHOT ROBINSON PRIZE CANDIDATE
- **Julie Wosk** (State University of New York, Maritime College): From Automatons to Sex Dolls: What Happens When Changing Technologies Make Simulated Females Seem Ever-More Real
- **Nina Neuscheler** (Centre for Contemporary History Potsdam (ZfF)): Fixing gendered inequalities in the digital world. Computer courses for women and girls in Germany in the 1990s
- **Artur Neves** (Centro Interuniversitário de História das Ciências e da Tecnologia, NOVA School of Science and Technology): From Fragile to Indestructible: exploring plastics technology in 19th-20th century dolls

**Repair on wheels: Transport cultures of repair**
Chair: TBA

Presenters
- **Evelyne Tegomoh** (FSMS, University of Buea): Socio-cultural perception of the persons under the cars – SHOT ROBINSON PRIZE CANDIDATE
- **Salah Hamdoun** (Arizona State University): Repair in the Face of Earth’s Agency: The Role of Local Repair Initiatives in Societal Adaptation – SHOT ROBINSON PRIZE CANDIDATE
- **Martin Meiske** (Deutsches Museum Munich/ Karlsruhe Institute of Technology): Cultures and Costs of Care. Towards a Diverse Material History of Railway Maintenance

**Historiographic Commitments in the History of Technology: Repair, Replace, or Refuse? (Roundtable)**
Organizer: **Edna Suárez Díaz** (National Autonomous University of Mexico (UNAM))
Chair and Moderator: **Scott Knowles** (Korean Institute of Advanced Science and Technology (KAIST))

Panelists
- **Edna Suárez Díaz** (National Autonomous University of Mexico (UNAM)): "Overview of the Project"
- **Amy Slaton** (Drexel University): "Innovation and its Uses"
- **Jesse Smith** (Science History Institute): "Technology as Subject"
- **Gisela Mateos** (National Autonomous University of Mexico (UNAM)): "Americas as Method"

**Holding (Outer) Space: Maintenance, Care, and Repair On and Beyond Earth (Roundtable - artifact)**
Organizer: Lisa Ruth Rand (California Institute of Technology)
Chair: TBA

Panelists
- **Eleanor Armstrong** (Stockholm University): Tinkering to Put an American Blonde in Space
Artifact: Fan-made Sally Ride” Barbie doll
- **Dana Burton** (New York University): A Future Repository of Life
Artifact: Life Detection Knowledge Base (LDKB)
- **Rebecca Charbonneau** (The National Radio Astronomy Observatory): Falling and Falling Behind: The Role of Urgency and Repair in US Radio Astronomy
Artifact: Fragment of the collapsed 300-foot telescope
Réka Patrícia Gál (University of Toronto): Fixing Skylab: An Alternative History of Spaceflight through Breakdown and Repair
Artifact: Presidential message, Richard Nixon to Pete Conrad
Lisa Ruth Rand (California Institute of Technology): Palapa Power Play: Politics of Orbital Salvage and Repair in the Space Shuttle Era
Artifact: Model of Palapa B2 satellite and photographs from retrieval mission
Lois Rosson (Huntington Library): From Scientific Visualization to Interpretive Art: The Evolution of Chesley Bonestell’s Lunar Landscape
Artifact: Reproduction of A Lunar Landscape mural

Friday 12 July 2024 - 9:00AM-10:30AM

Animality as a Repairing Technology for the Meat Industry
Organizer: Chris Deutsch (University of Missouri)
Chair: Alexander Blanchette (Tufts University)

Presenters
Chris Deutsch (University of Missouri): Seeing the Feedlot like a Steer: The Industrialization of Cattle Feedlots in the United States
Abeer Saha (Smithsonian Institution): Beefmasters, Artificial Insemination, and Breeding for Industrial Feedlots in the 20th Century
Andrew Seber (University of Chicago): “A Changing Region: Rural Health, Land Loss, and the Price of Biosecurity”

Patent systems and participants (Part 1)
Organizers: Peter Meyer (U.S. Bureau of Labor Statistics) and Bernardita Escobar Andrae (University of Valparaiso, Chile)
Chair: Peter Meyer (U.S. Bureau of Labor Statistics)

Presenters
Bernardita Escobar Andrae (University of Valparaiso, Chile): Women in the patent system in Castellan Americas’ Capitalism: subverting the Marianismo ideology in early XX century Chile
Michael Andrews (University of Maryland, Baltimore County, US), Enrico Berkes (University of Maryland, Baltimore County, US) and Ruveyda Gozen (London School of Economics, UK): Quantifying Patenting by Women in the U.S., 1836-1940
Zorina Khan (Bowdoin College, US): Women in the Republic of Enterprise: Entrepreneurship and innovation among French women inventors, 1791-1900
Finni Jo Erdmann (University of Mannheim, Germany): Sticking to the plan: Female inventors in the GDR

Epistemicidio y el problema de los límites de la reparación histórica
Organizer: Alexis Bedolla Velázquez (UNAM):
Chair: Fabian Prieto Nañez (Virginia Tech)

Presenters
Jacques Ferreira Pinto (Oswaldo Cruz Foundation): Manumission, health and slavery in nineteenth century Brazil.
Leonardo Aranda Brito (Medialabmx): No todo lo que brilla es oro: Historia material de la tecnología en México

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Alexis Bedolla Velázquez (UNAM): ¿Reparar lo irreparable? Sobre los límites de la historia de tecnologías médicas

Tecnologías del cuidado sanitario y alimenticio: Mujeres y niños, Chile siglo XX
Organizer and Chair: Maria Soledad Zárate Campos (Universidad Alberto Hurtado)

Presenters
Daniela Arrate (Universidad Academia Humanismo Cristiano, INFAS Programa Interdisciplinario de Investigaciones en Políticas de Infancias y Familias): El voluntariado femenino de las Gotas de Leche, Mujeres en la promoción y transmisión de la “crianza científica”. Chile 1911-1924 – SHOT ROBINSON PRIZE CANDIDATE
Javiera Errázuriz (Universidad Andrés Bello): Debates en torno a una tecnología de cuidados: la vacuna contra el VPH y estereotipos de género.
Maricela González (Facultad de Salud y Ciencias Sociales, Universidad de las Américas Chile, Núcleo de Investigación Social Aplicada (NISA).): "Los niños mueren, las madres sufren, la patria peligra". Las mamaderas en las políticas sanitarias hacia madres e hijos. Santiago de Chile, 1890-1950
Maria Soledad Zárate Campos (Universidad Alberto Hurtado) and Andrea del Campo (University of Manchester): Cuidado femenino y tecnologías anticonceptivas, Chile 1960-1990

Reconstruction and Refurbishing: Repair and Maintenance in the Context of Mobility History in the Global South
Organizer: Yusuf Umar Madugu (Bayero University)
Chair: Jethron Ayumbah Akallah (Maseno University, Maseno)

Presenters
Gladys Nyachieo (Multimedia University of Kenya): Politics of Potholes Repairs, Maintenance and Safety in Kenya
Livinus Ikweako Okeke (Imo State University, Owerri): The unfulfilled obligations to colonial Infrastructures in Nigeria’s Post-Independence Railway System
Uche Uwaezuoke Okonkwo (University of Nigeria, Nsukka): Public Works Department and Forced Labour in Road Construction and Repairs in Eastern Nigeria, 1900-1960
Yusuf Umar Madugu (Bayero University): Repair, Construction and Maintenance of Road Infrastructure and the development of Urban Mobilities in Kano, Nigeria 1908-2015

Friday 12 July 2024 - 11:00AM-12:30PM

Presidential Panel: Repairing, fixing, healing: disability and technology (Roundtable)
Organizer: Magdalena Zdrodowska (Jagiellonian University)
Chair: TBA

Panelists
Magdalena Zdrodowska (Jagiellonian University)
Ashely Shew (Virginia Tech)
Robert Stock (Humboldt-Universität zu Berlin)
Miryang Kang (Korea Advanced Institute of Science and Technology)
Raquel Velho (Rensselaer Polytechnic Institute)

Repair objects and cultures
Chair: TBA
Presenters

Emanuela Scarpellini (University of Milan): Re-fahion. Repairing and Rethinking the Fashion Model: the Case of Italy
Helene Eisl (University of Vienna): Preventive Repair, Preservation, and Reuse – A Case Study
Marion Lester-Card (Birkbeck University of London): Mass Consumption, Person-Object Relationships and Repair in late twentieth century Britain 1955-1972
Tisha Hooks (Yale University): Duct Tape and The Art and Craft of Making Do

Unseen actors: Repair in (un)expected spaces (Part 1)
Chair: TBA

Presenters

Joachim Allouche (University of Southern Denmark): Design, Technology, and Production: Unseen technologies that helped the Danish glassware industry through the oil crisis
Frank Ditmann (Deutsches Museum, Munich): “Sick Dynamos” and Other Diseases of Electrical Machines – or Early Discourse on Maintenance and Repairs of Electrical Equipment
David Drengk (Institute of History, Technical University Dresden): Fish trade, everyday bicycle repair work and bikesmithing in southeastern Malawi

Reflexiones en torno a la producción de los cuatro tomos de Historia de la Ciencia y la Tecnología en Chile: convergencias, resistencias y transitares (Roundtable)
Organizer: Cecilia Ibarra (Universidad de Chile)
Organizer: Carlos Sanhueza (Universidad de Chile)
Chair: Carlos Sanhueza (Universidad de Chile)
Commentator: Daniel Pérez Zapico (Universidad Autónoma de Madrid)

Panelists

María José Correa (Universidad Andrés Bello) and Verónica Ramírez (Universidad Adolfo Ibañez): Los géneros en la ciencia. Actores, prácticas y políticas
Lorena Valderrama (Universidad de Santiago de Chile) and Marcelo Sánchez (Universidad de Chile): Las ciencias y sus públicos. Circulaciones y colaboraciones en la producción de conocimientos científicos
Bárbara Silva (Pontificia Universidad Católica de Chile) and Rodrigo Booth (Universidad de Chile): Ciencia e historia ambiental: paisajes, conflictos y recursos
Amari Peliowski (Universidad de Chile) and Catalina Valdés (Historiadora del arte e investigadora independiente): Cultura visual y material de las ciencias: imágenes, objetos y espacios
Cecilia Ibarra (Universidad de Chile) and Nelson Arellano (Universidad Academia de Humanismo Cristiano): Ciencia, tecnología e imaginarios de innovación

Troubling the Nation-State: Configurations and Contestations (Interactive workshop)
Organizer: Palashi Vaghela (University of California, San Diego)
Chair and Commentator: Lilly Irani (University of California, San Diego)

Presenters and Commentators

Felipe Trujillo Bilbao (Universidad Católica de Chile): Unpacking the rich and famous: The Rockefeller Foundation’s global and confusing way – SHOT ROBINSON PRIZE CANDIDATE
Julián Gómez-Delgado (The New School for Social Research): Contesting the Infrastructurepolitics of Privatization in
Nithyanand Rao (University of California, San Deigo): Invisible Labor and the “Ghost Particle”: Underground Physics at the Kolar Gold Fields
Palashi Vaghela (University of California, San Diego): Taming the Giant: Brahmanical imaginaries in oral history narratives of IT luminaries

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Workshop on Writing for Everyone: Insights from IEEE Spectrum
Organizer: Allison Marsh (University of South Carolina)

Panelists
Allison Marsh (University of South Carolina)
Jean Kumagai (IEEE Spectrum)
Lynn Heidelbaugh (Smithsonian Institution)

Friday 12 July 2024 - 2:30PM-4:00PM

Patent systems and participants (Part 2)
Organizers: Bernardita Escobar Andrae (University of Valparaiso) and Peter Meyer (U.S. Bureau of Labor Statistics)
Chair: Bernardita Escobar Andrae (University of Valparaiso)

Presenters
Sophiya Rishyna (University of Mannheim, Germany): Women, Jews, and Foreigners. A Data Analysis of Minority Inventorship in Nazi Germany
Sandro Maino (University Federico Santa Maria, Chile), Constanza Sanchez Bustos (University Federico Santa Maria, Chile), Daniela Gil Brignardello (University Federico Santa Maria, Chile), and Matias Correa Diaz (University Federico Santa Maria, Chile): El patentamiento de tecnologías de la edificación en Chile entre 1840 y 1930
Martin Monsalve Zanatti (University of the Pacific, Peru) and Jose Manuel Carrasco Weston (University of the Pacific, Peru): Developing a patent system without innovation, Peru 1896-1930: Legislation, export and engineers
Archaeology and the precolonial histories of technology in Africa
Organizer: Abidemi Babalola (The British Museum, UK)
Chair: Damilola Adebayo (York University, Toronto, Canada)

Presenters
Neema Munisi (University of Dodoma): The Social Life of Technology in the Indian Ocean World: Glass Beads in Precolonial Kilwa Kisiwani, Tanzania
Robert Nyamushosho (Queens College, City University New York): From Ore to Artifact: Exploring Metal Production and Consumption in Ancient Mberengwa, South-Central Zimbabwe
Abidemi Babalola (The British Museum, UK): The Technology, Innovation, and Sociality of Glass in West Africa

Arqueología de la tecnología
Organizer and Chair: Carola Flores Fernández (Facultad de Artes Liberales, Departamento de Historia y Ciencias Sociales, Universidad Adolfo Ibáñez)

Presenters
Nicolás Lira (Departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile): Tecnología de la madera en el sur de Chile: Análisis de objetos, herramientas y artefactos de madera desde la dendro-arqueometría
Andrea González Ramírez (Escuela de Arqueología, Universidad Austral de Chile, Puerto Montt, Chile): Tecnologías de la reproducción y sociotécnica del cuerpo: Diálogos entre arqueología y bioantropología

Itaci Correa Girulat (Universidad Alberto Hurtado): Mantención y reparación y reparación de vasos cerámica. El valor una relación en el litoral hiperárido del norte grande de Chile

Daniella Jofré (departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile): Las ruinas de la revolución: caracterización arquitectónica y tecnológica de plantas de beneficio de minerales en el extremo norte de Chile durante el siglo XVII y XVIII

Maintaining the “Business” of the History of Computing
Organizer: Sam Franz (University of Pennsylvania)
Chair: Paul Edwards (Stanford)

Presenters
Sam Franz (University of Pennsylvania): Computing Scientific Agriculture: Iowa State’s Agricultural Experiment Station and the Place of Computing in US State Universities in the 1930s
Salem Elzway (University of Southern California): The Semiconductor’s Baton: Atari Politics and Computing at the End of the Cold War
Charli Muller (New York University): WiFi Neoliberalism: Wireless Networking’s Technical Undermining of the State 1985-2012

(In)visible matters: unseen agents and actors in science and technology (Part 2)
Organizer and Chair: Hugo Pereira (CIUHCT - NOVA School of Science and Technology)

Presenters
Luísa Sousa (CIUHCT - NOVA School of Science and Technology): Selling automobility through processes of invisibilization in twentieth-century urban planning in Lisbon
Monique Palma (CIUHCT - NOVA School of Science and Technology): Animals as agents in the process for care and healing humans in Portugal in the 19th century
Isabel Amaral (CIUHCT - NOVA School of Science and Technology): Unseen Forces in Conflict: Tropical Diseases and the Portuguese Experience in Africa during WWI

Policies and Practices of Inclusion and Exclusion in Technology
Organizer: Alan Meyer (Auburn University):
Chair: Deborah Douglas (MIT Museum)
Commentator: Fabian Prieto-Ñañez (Virginia Tech University)

Presenters
Luis Blacha (National Council for Scientific and Technical Research, (CONICET)/ Scientific Research Commission of the Province of Buenos Aires (CIC-PBA) / National University of Quilmes (IESCT-UNQ)), Nahuel Rodríguez (CONICET, CIC-PBA, IESCT-UNQ), Gabriela Cévalo Bora (CONICET, CIC-PBA, IESCT-UNQ), and Hernán Thomas (CONICET, CIC-PBA, IESCT-UNQ): Beef Extract for Social Inclusion? Dynamics of Meat Industrialization in Argentina (1873-1960)
Friday 12 July 2024 - 4:30PM-6:00PM

Economic development and innovation
Chair: TBA

Presenters
Jorge Sosa (Universidad Paris Nanterre - DICEN/ ArTec+): Tecno-estética e imaginación en la Industria 4.0: el caso de Audi México
Tom Kelsey (University of Oxford): Humanities and Public Policy Officer
Mila Samdub (Yale Information Society Project): The “Indian model” of Networked Digitality: The Political Economy of Digital Public Infrastructures, 2009-present

Unseen actors: Repair in (un)expected spaces (Part 2)
Chair: TBA

Presenters
Ransford Tei (York University): ‘Beyond Footprints’: Uncovering the Invisible Labour of Human Porterage in the Pre-Colonial Economy of the Ashanti Empire, 1695 – 1896 – SHOT ROBINSON PRIZE CANDIDATE
Urna Mukherjee (Johns Hopkins University): Teak Planks and Coir Rigging: European encounters with technological cultures of ship repair in the Early Modern Indian Ocean
Mingyang Li (Institute for the History of Natural Sciences, Chinese Academy of Sciences): How a Material for Repair Became a Material for Construction: A Case Study on the Development of Cement Vessels in PRC

Repairing Economies in the Americas: Technological Fixes, the Politics of Development, and Labor in the Late Twentieth Century (Roundtable)
Organizer: Jason Ludwig (Cornell University)
Chair: TBA

Panelists
Colette Perold (University of Colorado, Boulder)
Fabian Prieto-Ñañez (Virginia Tech)
Jason Ludwig (Cornell University)
Richard A. Bachmann (University of Michigan)
Sam Schirvar (University of Pennsylvania)
Verónica Uribe del Águila (UC San Diego)

Technology History and Collective Memory: A Discussion of the Exhibition and Book “How to Design a Revolution: The Chilean Road to Design”
Organizer: Eden Medina (MIT)
Chair/moderator: TBA

Panelists
Hugo Palmarola (Pontificia Universidad Católica de Chile)
Eden Medina (MIT)
Pedro Alonso (Pontificia Universidad Católica de Chile)

NASA and Latin America
Organizer and Chair: **Brian Odom** (National Aeronautics and Space Administration (NASA))

**Presenters**

**Erik Conway** (NASA Jet Propulsion Laboratory): A Brief History of the U.S./Argentina Aquarius/SAC-D mission

**Hugo Palmarola** (Pontificia Universidad Católica de Chile): NASA in Chile: Technology and Branding of the Main NASA Station in Latin America during the Cold War

**Pedro Alonso** (Pontificia Universidad Católica de Chile): NASA in the Most Remote Area: The Laser Station and the Landing Strip on Easter Island during the 1980s

**Stephen Buono** (University of Chicago): Latin America’s Moon: Aldo Armando Cocca and the Question of Lunar Governance

**Saturday 13 July 2024 - 9:00AM-10:30AM**

**Engineering Repair (Prometheans Sponsored Panel) (Flash Talks)**

Organizer: **Ellan F. Spero** (MIT & Station1)

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

**Presenters**


**Christine Ortiz** (MIT): Co author: Engineering Technologies of Repair: Public Health, Materials, Water and Faith in an Industrial City

**Paul A. Wlodkowski** (Harold Alfond School of Engineering Maine Maritime Academy) and **Svetlana B. Ulyanova** (Peter the Great St. Petersburg Polytechnic University): Repairing and Maintaining the “Road of Life”: Science and Technology in the Siege of Leningrad

Presenter / Presentador: **Justin Castro** (Arkansas State University): The Mansion of Salina Cruz, Mexico: Engineers, Labor, and the Politics of the 'World's First Stationary Dredge

**David N. Lucsko** (Auburn University): Revisiting the Seat-Belt Interlock: A Case Study of the Utility of Automobile Repair Manuals

**Alexander L. Evenchik** (Northwestern University & MIT), **Ellan F. Spero** (MIT & Station1), and **Christine Ortiz** (MIT): Bridging Glass Education, Research, and Practice: Art, Engineering, and Experiential Learning at the MIT Glass Lab, 1967-1988

**Trabajo, tecnología y reparación en la minería del cobre en Chile**

Organizer: **Angela Vergara** (California State University, Los Angeles)

Chair: **Lorena Campuzano** (Independent)

**Presenters**

**René Cerda Inostroza** (Universidad de Santiago de Chile - USACH): Potrerillos, una ciudad sobre desechos tóxicos, relaves, reutilización de desechos y comunidad (1925-1938) – **SHOT ROBINSON PRIZE CANDIDATE**

**Ximena Ortiz** (Universidad de Santiago de Chile.): Tecnologías artesanales y métodos rudimentarios. Apuntes para una historia del trabajo pirquinero en el Norte Chico de Chile – **SHOT ROBINSON PRIZE CANDIDATE**

**Víctor Tapia Araya** (Universidad de Tarapacá, Arica): Tensiones, resistencias y adaptación laboral en los albores de la industrialización de la mina de cobre de Chuquicamata (1915-1935) – **SHOT ROBINSON PRIZE CANDIDATE**

**Ángela Vergara** (California State University, Los Angeles): El Soldado, 1965: Desastre, Fatalismo, y Comunidades Mineras
Repair and Recycling in Early Modern Japan (17-19th Century)
Organizer: Dimitri Tatoyan (CNRS)
Chair and Commentator: Naofumi Nakamura (Institute of Social Science, University of Tokyo)

Presenters
Mathieu H.D. Fauré (EHESS): The Repair Business: Sources of Revenue and Resilience among Iron Smelters in late 17th and early 18th century Noto peninsula – SHOT ROBINSON PRIZE CANDIDATE
Aleksandra Kobiljski (CNRS): Repair preconditions recycling: the role of intermediary actors in 19th century Edo second hand cloth market
Dimitri S. Tatoyan (CNRS): All-purpose Fixer: The example of Kume Eizaemon in Sakaide saltfields and Besshi Copper Mine in the 1820's – SHOT ROBINSON PRIZE CANDIDATE

Earth repair? Global Perspectives on Technologies and Narratives of Sustainability (Part 1)
Organizers: Matthias Heymann (Aarhus University) and Elena Kochetkova (University of Bergen)
Chair: Elena Kochetkova (University of Bergen)

Presenters
Pablo Carcamo (Virginia Tech.) and Maaz Gardezi (Virginia Tech.): Agricultural Research Institutions between Promethean Control and Community Care
Erik van der Vleuten (Eindhoven University of Technology): Connected ‘sustainability’ histories and futures in Brazil and the Netherlands: reflections on a transnational, transformative and transdisciplinary history
Matthias Heymann (Aarhus University): Meanings of sustainability: The invention of Sustainable Palm Oil
Julia Lajus (University of Helsinki): Global Challenges in Marine Sustainability: IUU Fishing and Climate Change

Observar, medir y registrar - técnicas de Cartografía y Astronomía en observatorios astronómicos de Latinoamérica - siglos XIX - XX (Work-in-progress session)
Organizers: Millena Farias (Universidade Federal do Rio de Janeiro) and Sabina Luz (Universidade Federal do Estado do Rio de Janeiro)
Chair and Moderator: Millena Farias (Universidade Federal do Estado do Rio de Janeiro)
Commentator / comentarista: Thomás Haddad (Universidade de São Paulo):

Panelists
Sabina Luz (Universidade Federal do Estado do Rio de Janeiro): Entre péndulas y cronómetros: medir y registrar el tiempo en el Observatorio Nacional de Brasil en la primera década del siglo XX
Maria Romênia Silva (Universidade Federal do Rio Grande do Norte): Mirando a Venus: el revolver fotográfico y un astronómo brasileño en Japón
Millena Farias (Universidade Federal do Rio de Janeiro): Del macro al microcosmos: disputas sobre el Instrumental Científico en el proceso De Institucionalización del Observatorio Imperial de Rio De Janeiro (1826-1848)
Marina Rieznik (Investigadora independiente UNQ-CONICET, Docente UBA): Documentaries of creation and academic research about Latin American Skies

In pursuit of the real: from coffee to videogames to deep
Chair: TBA

Presenters
Leticia Galluzzi (Federal University of Rio de Janeiro) and Adriana Farah (Federal University of Rio de Janeiro): Technologies to control coffee frauds _ how the social history of coffee shaped methods and practices  

Thiago de Melo Ferreira (Federal University of Rio de Janeiro (UFRJ)): Piracy and the History of Videogames in Brazil: From the scarcity of games in stores to the abundance of CDs and DVDs on the streets.

Milosz Markiewicz (Humanities/Art/Technologies Research Center, Adam Mickiewicz University - Poznań, Poland): Truth Search Engines. Content verification technologies as a tool for repairing a post-pandemic world

Aurélie Petit (Concordia University): Digital Resurrection: Bridging the Gaps in the History of Computing Animation and Sexuality

Saturday 13 July 2024 - 11:00AM-12:30PM

Repair Words/Repair Worlds (Part 1) (Roundtable)  
Organizer and Moderator: Joshua Grace (University of South Carolina)  
Commentator: Feng Zhu (University of Chinese Academy of Sciences)

Panelists
Adele Leigh Stock (Stanford University)
Ucheawaji Josiah (Adeleke University, Ede, Osun State, Nigeria & Comparative Heritage Project, The Valor Group, Athens, GA, USA)
Javaria Barandiaran (University of California, Santa Barbara)
Lovisa Tegelela Nampala (Ministry of Education, Arts and Culture, Ohangwena Education Directorate, Uukelo CS)

Earth repair? Global Perspectives on Technologies and Narratives of Sustainability (Part 2)  
Organizer and Chair: Matthias Heymann (Aarhus University)

Presenters
Camila Salinas (P. Universidad Católica de Chile), Renato D’Alençon (P. Universidad Católica de Chile), and Carmen Gómez (Fundación Instituto Profesional Duoc-UC, Valparaíso, Chile): The “flying sands” of Chanco: environmental remediation in Chilean landscape, 1900 -1917

Constanza Marin (Universidad Católica del Norte, Chile): The transformation in rural land occupation and lifestyle around agriculture

Ramesh Subramanian (Quinnipiac University and Yale Law School): When techno-solutionism collides with traditional knowledge: Examining remediation strategies for the chronic floods in Chennai

Anwar Hossen (University of Dhaka): Neoliberalism, Dispossession, and Environmental Degradațion in Dhaka City, Bangladesh: Contextualizing Sustainability Perspective

Transmedia Storytelling in History of Technology: Promoting Multivocality and Multiperspectivity in Web-based Narratives (Workshop: Video screening and discussion)  
Organizer: Andreas Fickers (University of Luxembourg)  
Chair and Moderator: Andreas Fickers (University of Luxembourg)

Presenters
Andreas Fickers (University of Luxembourg) and Helmhut Trischler (Deutsches Museum München): Making Europe goes Comics: Translating Scholarship into an Interactive Online Comic

Stefan Krebs (University of Luxembourg): Minett-Stories: A TransmediaProject on a Steel Production Region in Luxembourg
Dominique Santana (University of Luxembourg): Colonia Luxemburguesa: An Interac(ve Web-documentary on the History of Steel Production in Brazil

Chiara Ligi (Design School of Politecnico di Milano): Moving Lusitalia: An Immersive Voyage into the History of a Migrant Working Class District of an Industrial Town

Saturday 13 July 2024 - 2:30PM-4:00PM

Repair Words/Repair Worlds (Part 2) (Roundtable)
Organizer: Joshua Grace (University of South Carolina)

Panelists
Jonas van der Straeten (Eindhoven University of Technology): Repairing, renovating, and negotiating identity at the (post)Soviet Periphery: Remont and Hashar
Matthijs Degraeve (FWO/Vrije Universiteit Brussel, Departments of History and Architectural Engineering): Repair as a marketing tool. Plumbers advertising repair skills in London, Paris and Brussels (1850-1940)
Alberto Preci (Post-doctoral fellow ANR Project Interrupções CNRS – CREDA): Make it run again: talking repair in the Argentine Chaco
Jesudoss Arokiam Sengol (University of Madras): Irrigation technology and repair works in Madras 1850-1950: Cropscapes and disease imprint
Consuelo Biskupovic (Universidad Católica de Temuco): Socioecologías en torno a los bosques del desierto: una perspectiva desde la ciencia ciudadana y sus limitaciones

The Space Age in Latin America and the Caribbean: The Uses and Imaginaries of Outer Space and Space Technoscience
Organizer: Vanessa Freije (University of Washington, Seattle)
Chair: Bárbara Silva (College UC / Instituto de Historia, Pontificia Universidad Católica de Chile)

Presenters
Vanessa Freije (University of Washington, Seattle): On-the-Ground Labor with Outer-Space Technologies: Workers at Mexico’s First Satellite Earth Station
Rebecca Charbonneau (The National Radio Astronomy Observatory): Living Under ‘El Radar’: The Cold War’s Impact on Arecibo Observatory and Puerto Rico
Gloria Maritza Gómez Revuelta (El Colegio de México/Universidad de Guadalajara) and Juan Niemes: Space in Latin America, Latin America in space. Astropolitics in Argentina and Mexico, 1961-1991

Technology, Sovereignty, and the Grammar of Empire in the History of Ocean Sciences
Organizer: Penelope Hardy (University of Wisconsin-La Crosse)
Chair and Commentator: Penelope Hardy (University of Wisconsin-La Crosse)

Presenters
Natalia Gándara Chacana (Pontificia Universidad Católica de Valparaíso): Weaponizing Indigenous and Vernacular Technologies: The Case of Patagonia’s Hydrographic Expeditions – SHOT ROBINSON PRIZE CANDIDATE
Nancy Ko (Columbia University): The Depths of Indigeneity: Diving Technology and the “Offshore” of Italian Settler Colonialism – SHOT ROBINSON PRIZE CANDIDATE
Jonathan Galka (Harvard University/Yale-NUS College): Bivalve Knowledges in Chemical Environments: Ed Goldberg, the Mussel Watch, and Globalizing Technologies of Marine Molluscan Sensation – SHOT ROBINSON PRIZE CANDIDATE

Earth repair? Global Perspectives on Technologies and Narratives of Sustainability (Part 3)
Organizer: Matthias Heymann (Aarhus University, Denmark)
Chair: Erik van der Vleuten (Eindhoven University of Technology)

Presenters
Corinna Zeltsman (Princeton University, USA): Searching for Cellulose: Building a Sustainable Paper Industry in 20th-century Mexico
Nkemjika Chimee Ihediwa (University of Nigeria, Nsukka): Transnational corporations in Nigeria and the sustainability question
Elena Kochetkova (University of Bergen): Food Making, Technology, and Sustainability in the Late Soviet Union
Santiago Garrido (IESCT, Universidad Nacional de Quilmes), Emilia Ruggeri (IESCT, Universidad Nacional de Quilmes), and María Fernandez Vicente (IESCT, Universidad Nacional de Quilmes): Origins of solar energy in the southern global south. Experiences and projects developed in Argentina, 1970-1990