

Conference at a Glance

Thursday, September 3

13.00- 17.30 – Registration
14.00- 15.30 – Round Table: Teaching the history of technology
16.00- 17.30 – Keynote with Erik Swyngedouw
18.00- 20.00 – Conference Reception (Observatoriet)

Friday, September 4

08.30- 17.30 – Registration
09.00-10:30 – Parallel Sessions
10.30-11.00 – Coffee
11:00-12.30 – Parallel Sessions
12:30-14.00 – Lunch + Walking Tour
14.00-15.30 – Parallel Sessions
15.30-16.00 – Coffee
16.00-17.30 – Group Activities
19.00 – Dinner aboard the ship (pre-registration required)

Saturday, September 5

08.30-14.00 – Registration
09.00-10:30 – Parallel Sessions
10.30-11.00 – Coffee
11:00-12.30 – Parallel Sessions
12:30-14.00 – Lunch + Walking Tour
14.00-15.30 – Keynote with Amita Baviskar
15.30-16.00 – Coffee
16.00-17.30 – ToE Plenary
19.00-20.00 – Drinks
20.00-01.00 – Conference Dinner and Party

Sunday, September 6

09.00-10:30 – Parallel Sessions
10.30-11.00 – Coffee
11:00-12.30 – Parallel Sessions

Non-Session Activities

Thursday

Conference Reception at Observatoriet

Friday

Lunch with guided tour

Stockholm Intellectual History Tour

Guide: Anders Houltz

This tour starts at the entrance of the ABF Building and takes us along the Tegnérsgatan and Drottninggatan up the hills to the streets that once housed Stockholm's intellectual and academic hub. Here the University of Stockholm, The Royal Institute of Technology, museums and research institutes were located steps away from one another. We return to the conference venue through the Observatorielunden Park.

Redevelopment of Stockholm City Centre - tour

Guide: Arne Kaijser

In the mid 1960s Stockholm looked like a bombed city – many blocks in the densely built old downtown were completely torn down. Ten years later a whole new center had been built with banks, offices, shopping malls, multistory car parks and a new square called Sergels torg. We will walk through this transformed center and we will also see some remnants of the old city. The tour starts at 13.00 with a short slide show in the Z-room.

Boat Dinner aboard M/S Riddarholmen, pre-registration required. Departs near Slottsbacken and Gustav III statue at 19.00, see map. A group will walk to the boat dock from the conference venue.

Saturday

Lunch with guided tour, same options as Friday.
Drinks and conference dinner at KTH Kåren

Friday & Saturday: Meeting space for discussions around funding, collaboration, networking, etc. Contact joshua.lewis@su.se to reserve a time, or visit the registration table at the conference venue

Conference Program

Thursday, September 3

13.00-16.00 – Registration

14.00-15.30 – Round Table

Room Zetasalen

Teaching the History of Technology

Chair: Suzanne Lommers - Foundation for the History of Technology

Commentator: Sabine Höhler - KTH Royal Institute of Technology

Participants:

Erik van der Vleuten - Eindhoven University of Technology

Andreas Fickers - Université de Luxembourg

Stathis Araposthatis - National and Kapodistrian University of Athens

Question:

What are and how should we deal with the challenges of teaching the history of technology given the opportunities of the digital age and new kinds of digital sources?

16.00-17.30 – Keynote Address

Zetasalen

Erik Swyngedouw, University of Manchester

Salty Waters: Disassembling and Re-assembling Spain's Hydro-Social Edifice

18.00-20.00 – Opening Reception

Observatory Museum, Drottningatan 120

Friday, September 4

09.00-10.30 – Parallel Sessions 1

Session 1.1

Erlander

Disasters and determinism: Considering the nature/technology divide

Chair: Matthias Heymann

Slawomir Łotysz

*Unfinished Draining of Polesie Marshes in Interwar Poland:
Lost Quest for an Internal Colony or Avoided Environmental
Disaster?*

Timo Myllyntaus

*Clashing Beliefs of Limited Freedom?
Environmental vs Technological Determinism*

Session 1.2

Palme

Modern environmental problems: clean and dirty

Chair: Marco Armiero

Hendrik Ehrhardt

*Keeping the air clean as technical issue? Environmental
politics and Utility companies in Western Germany since the
1970s*

Finn Arne Jørgensen

Litter and the making of a modern environmental problem

Christopher Neumaier

*The Ghosts of Diesels' Past": Cancer Threats and "Clean"
Diesel Technologies in Europe and in the USA, 1970s–2000s*

Session 1.3

Per Albin

Technology and environment in the Soviet Arctic

Chair: Paul Josephson

Julia Lajus

Industrialization of Soviet northern fisheries: international technologies vs. local knowledge and practices

Ekaterina Kalemeneva

Colonizing, Exploiting, Domesticating: Changes of the Discourses and Practices of the Soviet Arctic urban development, 1930-1970

Vasily Borovo

USSR coal-mining industry on Spitsbergen in 1930s: technology of extraction and significance for the economy of Soviet High North

Saara Matala

Squaring the Arctic Circle: The co-production of Arctic technoscience and Cold War geopolitics in Finland

Session 1.4

Hedén

Sustainability versus Accessibility: The controversial aspects of Mobility

Chair: Hugo Pereira

Commentator: Paul N. Edwards

Alexia Papazafeiropoulou

Mobility and the construction of tourist sites as contested spaces in postwar Greece

Frank Schipper

Moving Nature: Managing Mobility in Nature in The Netherlands, 1910s-1960s

M. Luísa Sousa

Following the traffic numbers: planning roads and territorial asymmetries in postwar Portugal

10.30-11.00 – Coffee

11.00-12.30 – Parallel Sessions 2

Session 2.1

Erlander

Styles of Water Management

Chair: Nil Disco

Stathis Arapostathis

Governing Rivers, Expertise and Technopolitics in Greece, 1940-2015: The case of Acheloos River

Jíra Janáč

“We only have the Water which Falls on our Territory”: Environment, Technology and the Development of the First Czechoslovak National Water-Management Plan

Ellen Janssens

Multi-level governance and decentralized technologies in early modern water systems: exemplary for contemporary urban water sustainability?

Session 2.2

Palme

The Environmental Impact of Technological Change in Eastern and Central Europe

Chair: Julia Lajus

Zsolt Pinke

Climate driven modernization? The correlation between humidity and the extension of the Hungarian arable lands

Simo Laakkonen

World War Two and Global Environmental Awareness

Elena Kochetkova

Technological change and Soviet environmental policy in the mid-1950s - 1960s

Session 2.3

Per Albin

Energy Dependence in Historical Perspective: Denmark, Spain and Sweden Compared

Chair: Aleksandra Bekasova

Mogens Rüdiger

A small state with a big challenge: Denmark's dependence on energy import in the 1950s and 1960s

Lino Camprubí

The Geopolitics of self-sufficiency: coal, hydropower, oil and uranium in the Francoist political economy

Per Högselius

Arne Kaijser

Under the Damocles Sword: Coping with Swedish Energy Dependency

Session 2.4

Hedén

How are we doing this far? Speaking in meaningful ways about technology that is not only hard, but heavy, dirty, and dangerous as well

Chair: Mats Fridlund

Panelists: Maria Udén, Ida Jansson

This panel includes presentations by two scholars that struggle with how to talk about – and explore and approach – machinery in technical systems. They share an experience of technology that is not only hard but heavy, dirty, and dangerous as well. Even though their respective contexts and targets differ a lot, both are involved in areas where reappraisal of the human-machine-nature relations appears necessary. These areas however differ significantly, which means that the concrete aims of the panelists also differ, as do the challenges they struggle with:

- Fluid mechanics and power transformation in renewable electricity production
- A science center with exhibitions and activities for school children and their teachers
- Feminist approaches in engineering sciences

12.30-14.00 – Lunch and Walking Tours

14.00-15.30 – Parallel Sessions 3

Session 3.1

Erlander

Securing resources, appropriating nature

Chair: Thomas Kaiserfeld

Samuel Eleazar Wendt

Rubber plantation monoculture and phytopathology in the German colonies of Cameroon and Togo, 1884-1914

Hanna Vikström

Swedish Steel and Global Resource Colonialism: Sandvik's Quest for Alloying Metals during the Interwar Era

Rick Hölsgens

Sjouke Beemsterboer

Import dependence and vulnerability Dutch energy transitions, 1850-2000

Session 3.2

Palme

Computing and the Environment

Chair: Arne Kaijser

Christophe Lécuyer

Dirty Valley: The Fight over Environmental Pollution and Occupational Health in Silicon Valley

Patrick Garda and Yves Bouvie

From Digital Watches to Wearable Objects: Sketches for a History of Low Power Electronics

Néstor Herran

Sensing the environment: Electronic sensors in historical perspective

David Aubin

Boxes and Arrows: Paper Tools, Systems Thinking, and the Environmental Sciences

Matthias Heymann and Dania Achermann

How computer technology changed understandings of the environment: the case of the climate

Session 3.3

Per Albin

Pastoral-Industrial Imaginaries of Nuclear Technology

Chair: Anna Åberg

Tatiana Kasperski

Reactors, flowers, children and angels: Nuclear imaginaries in Russia and Ukraine in 21 century

Anna Storm

Post-nuclear nature imaginaries

Anna Veronika Wendland

The social world of nuclear imaginaries: Towards an actor-centered visual history of nuclear technology under socialism

Session 3.4

Branting

Light and darkness

Chair: Sabine Höhler

Ute Hasenöhl

Empires of Light, Empires of Darkness: Technology, Politics and the Environment in Colonial History

Stéphanie Le Gallic

To adapt to the crisis or to disappear: the end of the neon (from the 70s)

Sara B. Pritchard

Rethinking Dark Skies in the City of Light

Session 3.5

Hedén

Authors meet the Critics – Historicizing Infrastructure after the Material Turn

Chair: Per Högselius

Panelists:

Andreas Marklund

Sanne Aagaard

This session aims to explore current tendencies in the historiography of infrastructure, with a special focus on the material turn and the increasing cross-fertilization between the history of technology and cultural as well as political history. The history of infrastructure is no longer a reserve for historians specialized in science and technology, but is gradually being integrated into mainstream history and broader strands within cultural studies.

15.30-16.00 – Group Activities

**19.00 – Dinner aboard M/S Riddarholmen
(registration required)**

Saturday, September 5

09.00-10.30 – Parallel Sessions 4

Session 4.1

Erlander

Dams on Display: Narrating the Nexus between Nation and Nature

Chair: Erik Swyngedouw

Dorothy Zeisler-Vralsted

Dams, Canals and Locks: Celebrating Monumentalism in the 1930s

Benjamin Brendel

Dams and the Improvement of Nature: US Dam-National Parks and the Exhibition of Big Dam Projects in the 20th century

Alexander Badenoch & Vincent Lagendijk

Myths of Kaprun, Material Visions of Europe

Session 4.2

Palme

Socio-technical controversies

Chair: Vincent Lagendijk

Roberto Cantoni

The shale gas dilemma: Controversies around fracking in contemporary France

Stevienna de Saille

Engagement or Containment?: Imagining Sociotechnical European Public(s)

Martin J. Ivanov

Development of wind energy in Bulgaria: Socio-technical and environmental tensions

Session 4.3

Per Albin

Satellite stories: remote sensing technology's claims on Earthly environments

Chair: Helmuth Trischler

Johan Gärdebo

For the benefit of all mankind, and ourselves: European Remote Sensing for Environment and Commerce, 1977-1994

Gemma Cirac Claveras

Living in a geophysical world: satellite data production and dissemination in support of Earth sciences in France, 1980-2000

Sabine Höhler

From Extreme Experience to Climate Engine: The Satellite Story of El Niño

Session 4.4

Branting

Urban environments: containing, controlling and correcting

Chair: Jaideep Chatterjee

Ulrik Jørgensen

Transportation regimes and cityscapes at the cross-roads: from car growth via confrontations to inter-modality

Meike Wolf

The taming of uncertainty: urban environments and the practices and technologies of pandemic preparedness

Jens Lachmund

Exploring "Ecosystem Urbs": Paul Duvigneaud and the Ecology of Brussels

Session 4.5

Hedén

Situated Ecologies: Using Film and Design to Explore Registers of Knowing Queered/Urban Ecologies

Chair: Anna Åberg

[Panel Session / Film Screening]

Participants:

Henrik Ernstson

Jacob Heland

Martín Ávila

Li Jönsson

Sverker Sörlin

Session description:

Nature is intertwined with culture. Culture is part and parcel of nature. This notion that we cannot any longer (if we ever could) place ‘nature’ at safe distance through objective science, has become part of our postindustrial anthropocentric modernity and has lead to a rapid growth of theoretical perspectives with the trope of cyborgs, socionatures, vibrant matters, recombinant ecologies or queer ecologies (e.g. Swyngedouw, Castree, Gandy, Bennet, Haraway, Latour). This panel is guided by the notion that knowledge about queered or cyborgian ecologies is radically open, which demands new approaches of how ‘nature’ and ‘ecology’ can be approached, registered, circulated, discussed and enacted. To elaborate this, our panel uses a set of film and design projects in urban settings to discuss what the practices of film making, art and speculative design can bring in terms of unpacking moral, political, affective and ontological dimensions of urban and cyborgian ecologies.

10.30-11.00 – Coffee

11.00-12.30 – Parallel Sessions 5

Session 5.1

Erlander

Food and Famine

Chair: Jens Lachmund

Marija Benic Penava

Farming Oysters in the Bay of Mali Ston in the Past Times. The Case of Croatia

Ross Coen

Fresh from the Can: American Salmon, European Markets, and the Techno-scientific Creation of a “Natural” Export Product, 1906-1929

Jenny Leigh Smith

The Ecological Afterlife of Famines in India and Cambodia

Session 5.2

Palme

Technology and Politics

Chair: David Nilsson

Emily K. Brock

Forestry as Politics: The Nazis’ Centre International de Silviculture and Planning Europe-Wide Environmental Management in the Second World War

Marija Dremaite

Cows and Concrete: agro-industrial development and modernisation of environment in Lithuania 1918-1940

Mats Fridlund

The mattering of globalization: The technopolitics of transnational terrorism during the Second Industrial Revolution

Session 5.3

Per Albin

Undersea environments: representing and intervening

Chair: Lino Camprubi

Antony Adler

Erik Dücker

When Pasteurian Science Went to Sea: Certes, Regnard, and the Beginnings of Marine Microbiology (1880 - 1900)

Dolly Jørgensen

Through the aquarium glass

Peder Roberts

A Transnational Triumph? The Bathyscaphe Trieste and the Race to the Bottom of the Sea

Session 5.4

Hedén

Utopia or Dystopia? Cultural Representation of Nuclear Energy in Western European Anti-Nuclear Movements

Chair: Dick van Lente

Panel Participants:

Karena Kalmbach, Freie Universität Berlin

Matthias Lieb, Technische Universität Darmstadt

Stephen Milder, Rutgers University New Brunswick

Andrew Tompkins, Humboldt---Universität zu Berlin

12.30-14.00 – Lunch and Walking Tours

14.00-15.30 Keynote Address - Amita Baviskar

What the Eye Does Not See: Technologies of Visibility and Value around an Indian River

Room: *Zetasalen*

14.00-15.30 – ToE Plenary: What is going on in the network?

Room: *Zetasalen*

19.00-20.00 – Pre-Dinner Drinks at KTH Kåren

19.00-20.00 – Dinner and Party at KTH Kåren

Sunday, September 6

09.00-10.30 – Parallel Sessions 6

Session 6.1

Erlander

Uses and politics of wireless broadcasting

Chair: TBD

Nelson Ribeiro

Shortwave Transmitters in the Portuguese Empire in Africa

Maria Rikitianskaia

Gabriele Balbi

Wireless-ments. The international understanding of wireless telegraphy in the early 20th century: common points and conflicts

Ekaterina Rybkina

"Friends" and Enemies beyond the Border: the Geography of Soviet Short Wave Radio in the 1920s

Session 6.2

Hedén

Engineering Africa in Cold War - Global environmental stories

Chairs: Maria Paula Diogo & Ana Isabel Simões

Ana Paula Silva

Electrifying Africa – rivers management in the late Portuguese colonialism

Elena Kochetkova & Julia Lajus

Soviet technological aid and environment in Africa in the late Cold War

David Nilsson

Closure and Innovation in urban technologies in the age of Development Aid

Session 6.3

Palme

The importance of words: Sustainable development and change over time

Chair: Sverker Sörlin

Bertrand Guillaume

Between technology and environment: the 'Anthropocene' as a 'Technocene'

Irene Goudarouli

Aristotle Tympas

Stathis Arapostathis

'Soft', 'Alternative', 'Renewable': Integrating Environmental History, History of Technology and Conceptual History

H.W. Lintsen

J.P. Smits

F.C.A. Veraart

How to do research on sustainable developments in a historical perspective? Quality of life and technology dynamics in the Netherlands 1800-2000

Session 6.4

Per Albin

Technology, Environment and Governance in State Socialism

Chair: Anna Storm

Eglė Rindzevičiūtė

The Birth of the Soviet Anthropocene: Nikita Moiseev and the Transformation of Soviet Governmentality

Matěj Spurný

Between Technological Optimism and the Notion of Ecological Crisis: The Case of Northern Bohemia in the 1960s

Vítězslav Sommer

From Social Technology to Social Critique: Concepts of Environment and State Socialist Governance in Czechoslovakia, 1970s-1980s

10.30-11.00 – Coffee

11.00-12.30 – Parallel Sessions 7

Session 7.1

Erlander

Building networks

Chair: Ana Paula Silva

Alexandra Bekasova

Road Landscapes in the 19th century Russia: Technological Change, Transportation, Travel, and Experiences

Hugo Silveira Pereira

Tensions in the border: Portugal's transnational railways (1845-1899)

Patryk Wasiak

Home technologies, shuttle traders and transnational commodity chains in Poland's post-communist system transition

Session 7.2

Hedén

Nuclear Energy and Environment in Central and Eastern Europe (Past and Present)

Chair: Per Högselius

Panel participants:

Andrei Stsiapana

Falk Flade

Jan Osicka

Ivaylo Hristov

Petr Ocelík

Bretislav Dancak

Veronika Zapletalová

Filip Cernoch

Session 7.3

Palme

Communicating scientific and technological knowledge: visions, ideals, and ideologies

Chair: Alec Badenoch

Anna Åberg

*Endless energy for the young: Fusion in Soviet popular communication
1950-69*

Elitsa Stoilova

Communist Propaganda: Gender, Technologies, Visions

Katerina Vlantoni

Kostas Raptis

Aristotle Tympas

*Exorcizing the environment: Technology as medicalized etiology in
screening and treating blood*

Session 7.3

Per Albin

Big Laboratory

Chair: Helmuth Trischler

Katharina C. Below

The Reconfiguration of the Laboratory: Big Science and Environment

David P.D. Munns

*“Phyto” as in plant and “Tron” as in Big Complicated Machine:
Building Technological Biological Environments in the Cold War*

Sean Nicklin

*Sailing Under Turbulent Skies: North Atlantic Ocean Stations and
International Cooperation, 1947-1985*