

**DIVISION OF HISTORY  
OF SCIENCE AND  
TECHNOLOGY**

**ROYAL INSTITUTE OF TECHNOLOGY**



**ANNUAL REPORT  
2011**



Division of History of Science and Technology

KTH Royal Institute of Technology



Annual Report 2011



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## The Division 2011

2011 was a year full of events and activities for the Division of History of Science and Technology. It was also the last year we called ourselves that. During 2011, we decided to change our name to Division of History of Science, Technology and Environment, a name more accurately reflecting the research carried out at the Division.

During 2011 we were happy to recruit three new professors. Libby Robin, Australian National University, was recruited as guest-professor part time for four years as part of



Nina Wormbs, Head of the Division

the KTH Royal Institute of Technology effort to increase the number of women professors. Libby is professor in environmental history and stays with us in several stints each year. Sabine Höhler, historian of science and most recently from ETH Zürich, was employed as associate professor in Science and Technology Studies with a historical perspective and moved to Stockholm in the fall. Maja Fjæstad, finally, was recruited as assistant professor in Energy History, starting mid year. We also recruited a new graduate student, Adam Netzén, in the beginning of the year, working on the topic of Gunnar Myrdal and his scientific ideas. Finally Carina Challis, central node and administrator, was hired in mid December, replacing Helena Törnkvist who left us for a job as student coordinator at KTH.

Active at the Division during 2011 were Dag Avango, Petra Bauer, Maria Bohn, Carina Challis, Miyase Christensen, Anders Ekström, Martin Emanuel, Maja Fjæstad, Hjalmar Fors, Anders Gullberg, Steven Hartman, Anders Houltz, Per Högselius, Sabine Höhler, Arne Kaijser, Katarina Larsen, Susanna Lidström, Julia Lindkvist, Jesper Meijling, Adam Netzén, David Nilsson, Eric Paglia, Ingemar Pettersson, Libby Robin, Daniel Svensson, Sverker Sörlin, Helena Törnkvist, Carlos Viktorsson, Nina Wormbs, Petter Wulff and Anna Åberg.

In late spring, Sverker Sörlin was named honorary doctor at Åbo Akademi, for “his profound scholarly contribution to the history of the environment, ideas and technology, transcending disciplinary and institutional barriers, and for his work in developing Nordic cooperation in the field”.

In August 2011, professor emerita Marie Nisser passed away after a period of illness. Marie was a long-standing member of our community. She came to the Division in 1992 as the first professor in industrial heritage research, bringing with her not only new students and new perspectives but also deep and profound knowledge, great

engagement and a contagious energy. Marie, trained in history of art and architecture with a degree from Uppsala, soon took interest in industrial heritage, publishing important research and inventories from the 1960s and onwards. Her work included a plethora of industrial branches, with iron & steel and paper & pulp of central interest. Apart from her more academic publications she also engaged forcefully in public discussions on issues of preservation, bringing her specific and unique knowledge into practical use. She continued to work after retirement and her last scholarly contribution was co-editing of the volume *Swedish Mining and Metalworking – Past and Present*, part of the National Atlas of Sweden. We miss her.

The reorganisation of the doctoral programmes at KTH Royal Institute of Technology meant that our PhD-training was put together with that of Philosophy, organisationally. The name of our PhD-training is now Historical studies in Science, Technology and Environment. We were glad to have two doctoral defences. In June David Nilsson defended his doctoral thesis, *Pipes, progress, and poverty: social and technological change in urban water provision in Kenya and Uganda 1895-2010*, and in December Johan Gribbe defended his doctoral thesis, *Stril 60: teknik, vetenskap och svensk säkerhetspolitik under det kalla kriget*.

2011 was also the year when NIES, Nordic Network for Interdisciplinary Environmental Studies, financed by Nordforsk, was placed at the Division. NIES is coordinated by Steven Hartman and organizes a number of workshops and conferences that are widely advertised and open not only to the members of the network.

August is normally the month when we have our annual kick-off. This year was no exception and we spent it at a conference facility at Lidingö close to Stockholm. As the internal strategy was under revision, we discussed strategic issues.

During the last weeks of the year, the work to secure a donation and subsequent co-funding from KTH was finalised. Carl Bennet, industrialist engaged in issues pertaining to research and higher education, donated 15 million SEK to the Division and KTH rector Peter Gudmundsson co-funded with 5 million over five years. Together with money channelled through the ABE-school and external funding we will during 2012 start building the KTH Environmental Humanities Laboratory, a post-disciplinary endeavour with ground breaking research and new initiatives for bachelor and master training.

Nina Wormbs



## Research projects



Dag Avango, Jesper Meijling, Anna Åberg, Eric Paglia and Sverker Sörlin

The Division of History of Science and Technology has research as its main activity. The following research projects were carried out at the Division in 2011.

### **The humanities and the future society: Three empirical studies and a workshop**

*Project leaders:* Anders Ekström and Sverker Sörlin

*Funding agency:* Riksbankens Jubileumsfond

*Period:* 2010-2011

This project studies aspects of the history and present status of the humanities in Swedish society, from the early twentieth century to the present. The empirical studies focus on the growth of the humanities in the twentieth century, contemporary employment patterns, and new educational initiatives during the last decade. The results from this research were presented at a workshop in March 2011, which also aimed at a more general discussion on the role of the humanities in contemporary and future societies. The three empirical studies are conducted in collaboration with researchers at the Institute of Future Studies (Stockholm), Faugert & Co (Stockholm), and the Swedish Institute for Social Research, Stockholm University. The workshop was co-organized by the Division of History of Science and Technology and the Institute of Future Studies, Stockholm.

## **TRACS – Travel planner for sustainable cities**

*Project leader:* Mattias Höjer

*Participants at the division:* Anders Gullberg, Arne Kaijser and Carlos Viktorsson

*Funding agency:* VINNOVA

*Period:* 2010-2012

The aim of this project is to describe the design of advanced integrated travel planners that provide both efficient decision support for travellers and a tool for local and regional planning for sustainable development.

## **Research Network Svensk stad 1900.2030**

*Project leader:* Anders Gullberg

*Participant at the division:* Anders Gullberg

*Funding agency:* Riksbankens Jubileumsfond

*Period:* 2010-2012

The aim of this project is to explore ways to produce a contemporary replica of Gregor Paulsson's and Börje Hansen's great work from the mid-1900s on the Swedish 1800-century city.

## **Models, Media, and Arctic Climate Change: Understanding the Interface between Sustainability Policies and Modelling of Climate and Ecosystems**

*Project leader (KTH):* Sverker Sörlin

*Participants at the division:* Sverker Sörlin, Nina Wormbs, Miyase Christensen and Maria Bohn

*Funding agency:* Formas, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning

*Period:* 2009-2012

The overall objective of the project is to understand the influence of modelling of climate on policy making for sustainable development, with an emphasis on the Arctic. Understanding anthropogenic climate change rests largely on models. Models have thereby become a crucial condition for sustainability. Yet we understand very little of how this happens. Although models have been shown to play an important role in science-policy communication in other fields of environmental governance, climate models are conspicuously under-researched. In this project, we will study modelling with a regional focus (the Arctic), paying particular attention to the increased interaction of climate modelling of relevance for sustainability, and to the role of local indigenous knowledge. We intend to observe the full social "chain of production" of modelling, from the primary production of data in the field, to the production of models and across to their dissemination and reception in the media and policy. How do models work? How do they "travel" – from the field to the media, the government office or the corporate boardroom? How do they go down with public understanding and engagement? How do they function as boundary-ordering devices between science and

policy? Who “owns” models, and how are issues of credibility, salience and legitimacy handled? The latter has been shown to be crucial for environmental policy success.

### **Markets, Spatial Order and Sustainable Urban Futures: Porti Franchi and the Spatial History of the Market**

*Project leader* (KTH): Sverker Sörlin

*Participants*: Sverker Sörlin and Jesper Meijling

*Funding agency*: Formas

*Period*: 2010-2014

The study aims to uncover a spatial programming of the market place by means of studying what could be defined as its constitution (its legal and political design) and its situation (the resulting physical design object), through a focus on free market ports, the porti franchi, starting in Italy in the 17th and 18th centuries. Comparisons will be made with current political design, where “top-down” marketization is again a structuring factor. The purpose of this project is to analyse a spatial grammar of market conceptions, for a more refined understanding of possible risks and opportunities to economic and social sustainability by today’s uncritically widened usage of the ‘market’ concept.

### **International R&D networks – a project analysing innovation and science across regions and organizations**

*Project leader*: Katarina Larsen

*Participant*: Katarina Larsen

*Funding agency*: STINT

*Period*: 2009-2012

The research is carried out in collaboration with two other research groups including: Leiden University, Centre for Science and Technology Studies (CWTS) in the Netherlands and Imperial College London, Innovation Studies Centre in England. The project brings together the competence and resources of research teams in Sweden, the Netherlands and England working with studies of innovation, science policy and technology management. Three areas of activities are defined in the project and include: I) empirical data sources and analyses, II) methodology development and III) teaching and seminars. The scope of the studies defined within the project is described in two thematic research areas. The research area “Internationalization of R&D” aims at combining patent and publication data to study R&D partnerships of multinational companies at the regional level. The other area “R&D networks” aims at advancing methods of citation analysis to study emerging fields of science and technology.

## **Separate Summer Homes: Scandinavian leisure and consumption and its ideologies during the short 20th century**

*Project leader:* Thomas Kaiserfeld

*Participant at the division:* Per Lundin

*Funding agency:* The Swedish Research Council

*Period:* 2008-2011

This is a collaborative research project within the project “European Ways of Life in the American Century: Mediating Consumption and Technology in the Twentieth Century (EUWOL)”, which is part of the EUROCORES Programme “Inventing Europe: Technology and the Making of Europe, 1850 to the Present” run by the European Science Foundation. In this project, we argue that there has been a specifically Scandinavian (with the exception of Denmark) model of leisure during the short 20<sup>th</sup> century (1918-1989) taking the form of separate summer homes. By paying specific attention to two 20<sup>th</sup>-century de-location patterns in the areas of transportation and leisure activities, respectively, we analyse the shaping of a Scandinavian model of leisure. Transportation technologies and leisure ideologies will thus be brought together in order to understand the phenomenon of separate summer homes.

## **Precursors of the IT nation: computer use and control in Swedish society, 1955-1985**

*Project leader:* Arne Kaijser

*Participants:* Isabelle Dussauge, Johan Gribbe, Per Lundin, Julia Peralta, Gustav Sjöblom and Björn Thodenius

*Funding agency:* Handelsbankernas forskningsstiftelser

*Period:* 2008-2011

The purpose of this research programme is to analyse how Swedish users of computers appropriated the new technology to extend their control of people and activities from 1955 to 1985, an era dominated by large mainframe computers. Our emphasis on computer use contrasts with the focus on computer manufacturing in the existing international and Swedish historiography. Computer use is of importance to understand the foundations of the current information age, not least in a small nation like Sweden, which is often characterised as a prominent IT nation but lacks a strong domestic computer industry. The programme is organised around four subprojects dealing with the computerisation of government administration, private industry, defence and infrastructures.

## **Publics on display: A cultural history of audiences and publics, 1866-1930**

*Project leader:* Anders Ekström

*Participant:* Anders Ekström

*Funding agency:* Swedish Research Council

*Period:* 2008-2011

The aim of this research project is to investigate the mediation of audiences and publics

in connection with one of the many new “public institutions” that developed in nineteenth-century Europe: museums and temporary exhibitions. More precisely, the project is designed to analyse the ways in which the categories of audiences and publics were defined, addressed and represented in relation to four major exhibitions organized in Stockholm in 1866, 1897, 1909 and 1930. Although different in scope and design, these exhibitions were distinctively presented as public events open to everyone, and as such they attracted some of the largest crowds of their time. At the same time, these exhibitions acted as important showcases for the introduction of a wide range of old and new media. As a consequence, audiences and publics of many different kinds were addressed within these mediascapes and this research is therefore guided by the basic question: What distinctions kept the categories of audiences and publics apart?

### **Mediating public knowledge, 1850-2000**

*Programme administrator:* Anders Ekström

*Funding agency:* Individual research grants from the Swedish Research Council

*Period:* 2006-2011

This research programme investigates the mediation and co-production of publics, public spheres and public knowledge. The overall design of the programme combines perspectives from three areas of research. Firstly, it engages in the question of the history of public spheres in historical research and social theory; secondly, it relates to the field of science and technology studies, and to research on the politics of public involvement in scientific knowledge production; thirdly, it draws on recent scholarship on the cultural history of media. The programme is a collaboration between researchers at KTH and the universities in Uppsala, Umeå and Stockholm.

### **Research institutes in Swedish innovation systems**

*Project leaders:* Sverker Sörlin

*Assistant project leader:* Katarina Larsen

*Participants:* Sverker Sörlin, Katarina Larsen, Ingemar Pettersson, Patricia Phumpiu and Thomas Kaiserfeld

*Funding agency:* VINNOVA

*Period:* 2007-2012

Specialized industrially oriented research institutes constitute an important element in innovation systems worldwide. The sector of industrial research institutes in Sweden is small in an international perspective. Their share of the total research spending is less than two per cent and their support from public sources corresponds to a mere three per cent of government R&D spending. It is an open question what effects the small institute sector has had on the Swedish innovation system. However, political signals indicate that there is a reorientation of policy under way to give industrially motivated research a stronger profile and thereby accord institutes a more significant role. In this project, an interdisciplinary group of researchers undertake to analyse the complex roles and niches that institutes occupy in the “ecology” of innovation systems. Studies will focus on such topics as

- Development, function, and performance of institutes – individually and collectively.
- Industrial and technological clusters where institutes cooperate with firms.
- Science clusters where institutes cooperate with universities and colleges.
- Institute labs as interdisciplinary R&D milieu.
- The institute “project culture” – networks, agreements, publishing cultures, Intellectual Property Rights management, etc.
- Changes in Sweden’s official policy towards research institutes since 1940.
- Aggregate international comparative analysis.

### **A renaissance for the bicycle?**

*Project leader:* Martin Emanuel

*Participant:* Martin Emanuel

*Funding agency:* Volvo research and educational foundation, Kommittén för Stockholmsforskning and Vinnova

*Period:* 2005-2011

The project concerns the evolution of bicycle traffic in Stockholm and Copenhagen after World War II. The play of political forces which marginalized bicycles in Stockholm but not in Copenhagen will be in focus. The aim of the project is to aid in improving the understanding of the processes of change in urban traffic. Special attention will be given to the cyclists’ organizations. In this respect the study is an attempt to understand the possibilities of influencing the development of a technological system that marginalized actors have. An ideological characterization of the cyclists’ organizations as well as a thesis will be outcomes of the project.

### **LASHIPA (Large-scale industrial exploitation of polar areas)**

*Participant at the division:* Dag Avango

*Funding agency:* Swedish Research Council and Netherlands Organisation for Scientific Research (NWO)

*Period:* 2007-2012

The LASHIPA project is a historical-archaeological research project within the framework of the International Polar Year (IPY) 2007-09, with the objective of explaining the development of industry in the polar areas from the 17<sup>th</sup> century until today and its geo-political and environmental consequences. In this project, the Division of History of Science and Technology cooperates with university departments and research institutes in the Netherlands, the USA, Russia, Norway and Great Britain. The research project focuses on the research themes of the driving forces behind industrial development in the polar areas, international competition over natural resources and political influence, and the design of technology and settlements for polar environments.

## **Arctic Norden: Science, Diplomacy and the Formation of a Post-War European North**

*Project leader:* Sverker Sörlin

*Participant at the division:* Anders Houltz

*Funding agency:* Riksbankens Jubileumsfond

*Period:* 2007-2011

This project concerns the formation of “Arctic Norden” as a composite of science, diplomacy, and policy in the Cold War context. The empirical focus is on Swedish and Norwegian science relations in the fields of meteorology and glaciology and its contributions to policy and diplomacy, but the perspective will include a wider North Atlantic realm. The analysis will involve ideological elements of “Nordism”, which tried to extend the Nordic community to Finland and ease political tensions with the Soviet Union. The diplomatic and policy work of Swedish and Norwegian scientists will be studied alongside their scientific work. With this approach, the building of research cooperation, joint expeditions, scientific stations, and the connections between the laboratory, the field and the policy sphere become part and parcel of one process.

## **History of climate modelling, 1940-1970**

*Project leader:* Sverker Sörlin

*Participant:* Maria Bohn

*Funding agency:* Stockholm Resilience Centre and internal funding

*Period:* 2007-2012

Climate change is a problem of our time where the last decades of development within scientific knowledge have been characterized by an increased use of computer modelling. The aim of this project is to examine the development of climate modelling after the first numerical weather predictions in the early 1950s in relation to the computerization of geophysics, the financing of research, the increased importance of the environmental issue and the politization of the geosciences.

## **The Infrastructural Transformation of Europe, 1850-2000**

*Project leader:* Arne Kaijser

*Participants:* Per Högselius

*Funding agency:* Riksbankens Jubileumsfond

*Period:* 2011-2013

Since the mid-19<sup>th</sup> century, Europe has gradually been covered by a wide range of overlapping infrastructure systems, most notably for transport, communication, and energy. Jointly these produced an artificial (i.e. human-made) geography of networks, which surpassed the natural geography of Europe. This project will result in a book, which by studying this transformation process will present a novel, alternative and challenging view of European history. The project will have an unusual character. It will take the form of a major synthesizing effort relying on the outcomes of ten years of

European research cooperation in the field of history of technology. Through this earlier research we have assembled a unique material.

### **Nordic Network for Interdisciplinary Environmental Studies (NIES)**

*Project coordinator:* Steven Hartman

*Funding agency:* Nordforsk

*Period:* 2011-2013

Beginning in January 2011, NIES (formed in 2007) is anchored primarily at the Division of History of Science and Technology at KTH Royal Institute of Technology in Stockholm. The network will carry out a range of research activities and events during this phase of operations (2011-2013), including semi-annual Nordic workshops and symposia, as well as an annual international conference, to rotate among the network's anchoring institutions in Stockholm, Uppsala, Oslo, Odense and Turku. In 2011, NIES organised four different events. A conference was held at the Southern University of Denmark, Odense 8-10 May on the theme of "The Anti-Landscape". A joint international research symposium and PhD course was organised in Sigtuna in Sweden 14-19 October titled "The Environmental Humanities". Finally, on 12-13 December a workshop on "Modernisation of Rural Landscape" was organised at the University of Turku in Pori, Finland.



## Research seminars



Sverker Sörlin and Ingemar Pettersson

Every second Monday or so we have a colloquium with either internal work in progress or external visitors. Below you can find the schedule for the research that was presented during 2011.

### Spring

*31 January*

Ylva Sjöstrand, Ekonomisk historia, Stockholms universitet, "Samhällsomvandling och avfallsproduktion: Stockholms avfall 1900-1930".

*14 February*

Anna Åberg, Avdelningen för teknik- och vetenskapshistoria, KTH, "Relative Risk and Transnational Trust: Negotiating a Swedish Natural Gas Project" (mittseminarium).

*21 February*

Ash Amin, Department of Geography/Institute of Advanced Study, Durham University, UK, "The Return of Apocryphal Thinking in Risk Mitigation".

*7 March*

David Nilsson, Avdelningen för teknik- och vetenskapshistoria, KTH, "Designing Discrimination: From Colonial to Contemporary Policies for Urban Water Supply in Uganda and Kenya" (slutseminarium).

*21 March*

Edmund Russell, Department of History, University of Virginia, "Evolution of the

Industrial Revolution: New World Cottons, Amerindians, and Mechanization of the English Cotton Industry”.

*11 April*

Ingemar Pettersson, Avdelningen för teknik- och vetenskapshistoria, KTH, “De svenska industriforskningsinstituterna: Kollektiv forskning, utvecklingskontrakt och innovationspolitik 1940-1968” (mittseminarium).

*16 May*

Mats Fridlund, Institutionen för filosofi, lingvistik och vetenskapsteori, Göteborgs universitet, “No Terrors But in Things: The Materialities of Fear and the Recovering of a Lost History of Technology”.

*23 May*

Mary Poovey, Department of English, New York University, “A History of the Modern Fact”.

*30 May*

Per Högselius and Arne Kaijser, Division of History of Science and Technology, KTH, “Den infrastrukturella omvandlingen av Europa, 1850-2000”.

*9 June*

Daniel R. Headrick, Roosevelt University, “Technology Transfer in the Age of Imperialism: The Case of Irrigation”.

## **Autumn**

*5 September*

Martin Emanuel, Division of History of Science and Technology, KTH, “Cykeln i Stockholm: Materialiserade tolkningar i den moderna staden, 1930-1975”.

*19 September*

Ursula Heise, Department of English, Stanford University, “Cultures of Extinction: Narrative, Database, and Biodiversity Loss”.

*3 October*

Katarina Larsen, Division of History of Science and Technology, KTH, “Scientific Landscapes and Seascapes: Bibliometric Studies of Nobel Laureates in Physics”.

Teasel Muir-Harmony, MIT, “A Race for Diplomacy: The US Space Program”.

*17 October*

Libby Robin, Fenner School of Environment and Society/Centre for Historical Research, National Museum of Australia/Division of History of Science and Technology, KTH, “Expertise from the Humanities in Managing the Nature and Culture of Place”.

*24 October*

Petra Bauer and Adam Netzén, Division of History of Science and Technology, KTH, presentations of “avhandlings-pm” in the postgraduate programme.

*31 October*

Frida Rosenberg, Eric Paglia and Carlos Viktorsson, Division of History of Science and Technology, KTH, presentations of “avhandlings-pm” in the postgraduate programme.

*7 November*

Bernadette Hince, Australian National University, “The Polar Worlds through a Dictionary-writer’s lens”.

*14 November*

Sabine Höhler, Division of History of Science and Technology, KTH, “Life Support: Technology and Environment in the Age of the System”.

*15 December*

Paul Josephson, Colby College, “The Nickel That Broke the Reindeer’s Back: Industrialization of the Soviet Arctic, 1930-1970”.

*19 December*

Susanna Lidström, Division of History of Science and Technology, KTH, “Experiments in Ecocriticism: Ted Hughes and Seamus Heaney”.

## Undergraduate studies



Sabine Höhler

During the year the course Science Goes Fiction was introduced to the students at KTH, building on a successful series of film evenings with invited lecturers the year before. Apart from these whole courses we also have smaller contributions in the form of several or single lectures or modules. A new module in computer history was taught in a programme-encompassing course for the computer engineers.

Below are the general descriptions of the courses we offer ourselves.

*Swedish Society: Culture and Industry in a Historical Perspective (AK1213), 7.5 ECTS credits.*

This course is specially designed for international exchange and international master's students at KTH. The course focuses on the construction of cultures and identities, and addresses topics such as political system, economy, technology, industry, city planning and architecture in Sweden in a long-term perspective. The purpose of the course is to give a basic account of the shaping and re-shaping of post WWII Swedish society and culture. In this course, the students attend lectures and seminars, and also visit museums and take part in guided city walks. This is, by number of students, the largest course given at the Division, and more than 300 students attended the course during 2011. Course coordinator was Dag Avango, Course assistant was Sabine Höhler (fall).

*History of Science and Technology (AK1202), 7.5 ECTS credits.*

This course gives a global perspective on the history of technology and science, and the primary focus is on large-scale historical changes over long timespans. The primary aim of this course is to be a complementary course for engineering students who want a deeper understanding of the history and the historical implications of what they do. It

also functions as an introduction to further studies in history of science and technology. Course coordinator was Hjalmar Fors.

*Industrial History, Society in Transition (AK1203), 7.5 ECTS credits.*

This course searches for the roots of society's on-going transformations in the industrial society's own history. Globalization and contemporary technological change is contrasted with historical change since the early days of industrialism. This course focuses on people, the built environment, landscapes, production, work and lifestyle. Also included is fieldwork in selected industrial-historical sites and visits to archives. Course coordinator was Maths Isacson.

*Environmental History (AK1204), 7.5 ECTS credits.*

This course addresses how environment and global survival became a political question during the second half of the 20th century, and also emphasizes issues about landscape, risk and infrastructure. The aim of the course is to give a perspective on knowledge about the environment as a limiting factor in human societies, from ancient to modern times, and also to explain how and why the environment has become an economic, political and technological issue in modern society. Course coordinator was Sverker Sörlin, and course assistant was Maria Bohn.

*Media, Technology and Culture (AK2203), 7.5 ECTS credits.*

In this course, technology and technological change are viewed as processes that are culturally, economically and socially constructed, and not given by nature. After the course the students should be able to give examples of and explain the causes and effects of some technical change in the media area. Examples of topics discussed in this course are digitalization of the cultural heritage, the rhetoric and function of the information society, the power of the visual image and social media. The students are also introduced to SCOT (Social Construction of Technology), one of the theories used within the field of history of technology. Course coordinator was Nina Wormbs.

*Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective (AK1205), 7.5 ECTS credits.*

Taking works of science fiction as a starting point, this course analyses statements regarding technology and technological change and relate these to 20th century discussions and discourses regarding technology and society. The objective is both for the students to critically reflect upon these discussions, and get an introduction in the history of technology. The course touches upon themes such as images of scientific research and technological development, technology and gender, futuristic visions of industrialization and environmental problems, research ethics, and the relation between man and machine. The aim of the course is to introduce the students to different themes within the field of the history of technology, as well as analyse the role of technology in our society and in popular culture in a historical perspective. Questions regarding the role of film as historical source material and the connection between popular culture and attitudes toward technology are also discussed. Course coordinator was Anna Åberg.

*Gender and Technology (AK2202) 7.5 ECTS credits.*

This course is a social, cultural, philosophical, and historical investigation of gender and technology. Starting with the assumption that technologies are never gender neutral, neither in their design nor in their use, the course explores the co-construction of gender and technology in critical theories and technological practices alike. Drawing on

feminist Science and Technology Studies (STS) and feminist media studies, the course provides critical perspectives on connections between gender and technology. The course also aims at providing a basic understanding of the interplay between gender and technology during history, for example in fields of organization of labour and introduction of new technologies. At the same time, the course aims to not only analyse technologies, but to incorporate critical gender awareness in ways of envisioning development of new technologies. The course encourages thinking technologies in ways that make use of critical perspectives to make a difference to the technological practices that are being addressed. The examination consists in active participation in seminars, short reaction papers, and a final essay. Part of this work is related to ways of thinking, modeling or prototyping technologies differently, to spell out implications for design from a critical gender perspective. Course coordinator was Maja Fjæstad.

## Doctoral studies programme



Maja Fjæstad, Arne Kaijser and Katarina Larsen

Director of PhD studies was Anders Ekström.

The course *Perspectives on Technology, Science and Environment in Space and Time* (FAK3101) was finalised early in the year, offered by Anders Ekström and Sverker Sörlin in cooperation. It was followed by the course *Introduction to the Research Process* (F1N5503), given by Anders Houltz. Finally, Sabine Höhler was responsible for *Theory and Method in Historical Research, Part 1* (F1N5505), which was given during the autumn.

Adam Netzén started as a new PhD student in early 2011, with a project focussing on Gunnar Myrdal.

Two PhD students defended their theses. In June David Nilsson defended his doctoral thesis, *Pipes, progress, and poverty: social and technological change in urban water provision in Kenya and Uganda 1895-2010*. Opponent was Professor Daniel R. Headrick, Roosevelt University, USA. Professor Jan Lundqvist, Stockholm International Water Institute, Dr. Ellen Hillbom, Lund University, and Professor Lars Nilsson, Stockholm University made up the examination committee. In December Johan Gribbe defended his doctoral thesis, *Stril 60: teknik, vetenskap och svensk säkerhetspolitik under det kalla kriget*. Dr. Juhana Aunesluoma, Network for European Studies, Helsinki University was opponent. The examination committee included Professor Alexandra Waluszewski, Uppsala University, Professor emeritus Kent Zetterberg, National Defence College, Stockholm and Professor Håkon With Andersen, NTNU: Norwegian University of Science and Technology.



## Conference participation, lectures and commissions



Anders Ekström, Helena Törnkvist and Sabine Höhler

### Dag Avango

“Exploatering av polartrakternas natur: valfångst och geopolitik”, lecture at Naturhistoriska Riksmuseet [the Museum of Natural History], March.

“Assessing Arctic Futures: Voices, Resources, and Governance. Theory, methods and tasks”, together with Dr. Annika Nilsson, Assessing Arctic Futures workshop, Lidingö, Stockholm March 31-April 1.

“Natural resources and industrial geopolitics”, presentation at Arctic Futures symposium, Abisko, Sweden, May 15-17.

“Heritage in action: historical remains in polar conflicts”, presentation at ICASS 7 (presented by Prof Sverker Sörlin), Akureyri, Iceland, June 22.

“The value of industrial heritage sites in the Polar Areas for historical research”, Managing Industrial & Cultural Heritage: South Georgia in Context, in Dundee, Scotland 7-9 September.

“Arctic futures” at Forskartorget, Gothenburg Book Fair, September 22, together with Prof. Sverker Sörlin.

Televised panel discussion on Arctic futures at the Gothenburg Book Fair, September 22, ”Arktis i det nordiska rummet”, together with Prof. Sverker Sörlin (broadcasted on Kunskapskanalen).



“Constructing industrial futures for Spitsbergen”, presentation at Assessing Arctic Futures workshop, European University at St. Petersburg, October 13.

Subsidiary supervisor of PhD student Hidde de Haas, Arctic Centre, University of Groningen.

Subsidiary supervisor of PhD student Ulf Gustafsson, Arctic Centre, University of Groningen.

Subsidiary supervisor of PhD student Frigga Kruse, Arctic Centre, University of Groningen.

Board member of Swedish section of TICCIH – The International Committee for the Conservation of Industrial Heritage (Svenska Industriminnesföreningen).

Board member of TICCIH, with regional responsibility for industrial heritage in Arctic and Antarctica.

Chairman of the working committee “Humaniora och samhällsvetenskap i polarforskningen”, Swedish Polar Research Secretariat.

Member of “Comité de lecture” for the journal *Patrimoine de l’industrie*.

Editorial staff member of the journal *Bebyggelsehistorisk tidskrift*.

Associate member of the International Polar Heritage Committee (IPHC) of ICOMOS.

Delegate to the VIP advisory group, the Top Level Research Initiative, of the Nordic Council of Ministers on future research within humanities and social science on adaption to climate change in the Arctic (Helsinki in February 2011 and Copenhagen in October 2011).

Invited speaker on the value of industrial heritage sites in the Polar Areas for historical research, by the South Georgia Heritage Trust (August 2011).

### **Miyase Christensen**

Invited lecture: “Communities, Constellations, Diasporas: Communicative Sociality and Social Space Online”, keynote speech delivered at the Conference *Communities and Migration at the Global and Local Levels*, Nottingham Trent University, School of Arts and Humanities, Institute of Cultural Analysis, June 23-24.

Invited speech at the conference *Digital Diasporas: Migration, ICTs and Transnationalism*, Centre for Arts, Social Sciences and Humanities (CRASSH), University of Cambridge, January 13 and 14. Paper entitled “Cosmopolitanism, Belonging and Transnational Sociality: An Intermediary Space between Mediation and Mediatization”.

“Social Surveillance, Media and Consumption”, COST-MEETING, Iasi, Romania, 3-5 May.

“Mediations of Spatial Attachment and Belonging in the City”, Istanbul, Turkey. July 13-17.

“Transnational Communicative Sociality between Mobility and Fixity: The Case of the Turkish Migrants”, Istanbul, Turkey. July 13-17.

“Cosmopolitanism, Belonging and Transnational Sociality: An Intermediary Space between Mediation and Mediatization”, *Digital Diasporas: Migration, ICTs and Transnationalism*, Centre for Arts, Social Sciences and Humanities (CRASSH), University of Cambridge, 13-14 January.

“Discursively Shaping the Environment: Swedish National and Regional Media Coverage of The United Nations Climate Change Conference in Copenhagen”, International Communication Association, ICA 2011. Boston, May.

“The Encapsulated Self vs. the Cosmopolitan Self: Towards a Phenomenological Understanding of Mediatization and Surveillance”, *Mediatized Worlds: Culture and Society in a Media Age*, 14-15 April, University of Bremen, Germany. With Andre Jansson.

“Remediated Sociality and the Dual Logic of Surveillance: Assessing the Place of Cosmopolitanism in Mediatized Lifeworlds”, Sociology of Communication and Media Research Division of the ESA (European Sociological Association) Conference, Geneva, 7-10 September. With Andre Jansson.

“Cosmopolitanism and Mediations in the City”, Sociology of Migration Division of the ESA (European Sociological Association) Conference, 7-10 September.

“Remediated Sociality and the Dual Logic of Surveillance: Assessing the Place of Cosmopolitanism in Mediatized Lifeworlds”, with A. Jansson, Sociology of Migration Division of the ESA (European Sociological Association) Conference, 7-10 September.

Special panel discussing Lisa Richey’s book *Brand Aid*, IAMCR, panel chair Karin Wilkins, IAMCR July.

Division Vice-Chair, International Communication Association (ICA), Ethnicity and Race in Communication (ERIC) Division, 2011-2013 (to take over as chair in 2013).

Co-editor of journal: *Popular Communication: International Journal of Media and Culture*, 2011-2016.

Management Committee Member/Researcher: Swedish representative in the European Science Foundation (ESF) COST Action IS0807: “Living in Surveillance Societies”. Research on sociocultural dimensions of surveillance and mediatization. Funded by the European Science Foundation (ESF); duration: 2009-2013.

Review Board of International Communication Association (ICA) for the annual conference in Phoenix.

Editorial Board Member, *Journal of Communication*.

Editorial Board Member, *Culture Frame*.

Editorial/Advisory Board Member, *Global Media Journal*.

Editorial/Advisory Board Member, *Global Media Journal American Edition*.

Editorial/Advisory Board Member, *Global Media Journal Mediterranean Edition*.

Editorial/Board Member, *Migration Letters*.

Referee Work for Journals: *Communication Yearbook (Journal of Communication)*, *The Information Society*, *European Journal of Cultural Studies*, *International Journal of Press/Politics*, *International Journal of Media and Cultural Politics*, *The Communication Review*, *The Journal of Communication*, *The International Journal of Press and Politics*.

### **Anders Ekström**

Organiser of workshop: “Media across borders: Catastrophes in turn-of-the-century popular visual culture”, Avd. för teknik- och vetenskapshistoria, KTH, Stockholm, 3 juni (i samarbete med bland andra Frank Kessler, Utrecht University, samt forskningsprogrammet “Mediating public knowledge, 1850-2000”).

Organiser of workshop: “Humanisterna och framtidssamhället”, Kulturhuset, Stockholm, 24 mars (tillsammans med bland andra Sverker Sörlin, Avd. för teknik- och vetenskapshistoria, och i samarbete med Institutet för framtidsstudier).

“Mångvetenskap i praktiken”, anförande vid workshopen ”Från visioner till verkställande: Att bygga upp och verka i en mångvetenskaplig forskningsmiljö”, anordnad av Historiska studier, Södertörns högskola, Trosa, 29 november.

“Exhibiting Disasters: Mediation, Historicity and Spectatorship”, paper presenterat vid workshopen “Media across borders: Catastrophes in turn-of-the-century popular visual culture”, Avd. för teknik- och vetenskapshistoria, KTH, Stockholm, 3 juni.

“Exhibiting Disasters: Mediation, Historicity and Spectatorship”, paper presenterat vid konferensen “Katastrofedramaturgier: Medieringar av naturkatastrofer”, Oslo universitet, 31 maj-1 juni.

Kommentator i en session om åskådningspedagogikens historia, Nationella historikermötet, Göteborg, 5-7 maj.

“Humanisterna och framtidssamhället”, inledningsanförande tills. med Sverker Sörlin vid workshopen “Humanisterna och framtidssamhället”, Kulturhuset, Stockholm, 24 mars.

“Katastrofens tid: Från Fukushima till Pompeji”, prisföreläsning vid Kungl. Vetenskapssamhället i Uppsalas årshögtid, Uppsala, 8 oktober.

“Vetenskap och medier – en forskningspolitisk relation”, föreläsning för Vetenskapsradions redaktion, Sveriges Radio, Uppsala, 28 september.

“Mediehistoriskt ABC: Fukushima, Johnstown, Pompeji”, öppen föreläsning, Uppsala universitet, 26 maj.

“Knowing Audiences, Knowing Media: Performing Publics at the Early Twentieth-Century Fun Fair”, föredrag och seminarium, HumLab, Umeå universitet, 14 april.

“Kulturhistoriens återkomst”, föredrag och seminarium, Institutionen för kulturvetenskaper, Lunds universitet, 8 april.

“Humanisterna och framtidssamhället: En projektpresentation”, föredrag och seminarium, Kulturseminariet, Lunds universitet, 7 april.

Granskningsuppdrag för Riksantikvarieämbetet av ansökningar om FOU-anslag.

Sakkunnig vid tillsättningen av ett lektorat i Journalistik/Mediehistoria vid Institutionen för kommunikation och medier, Lunds universitet.

Medlem av redaktionsrådet för tidskriften *Nordisk Museologi*.

Avgående ledamot av Svenska Nationalkommittén för teknik- och vetenskapshistoria, Kungl. Vetenskapsakademien.

Gästlärare på kursen “Media mellan teknik och kultur” inom civilingenjörsprogrammet Medieteknik vid KTH, föreläsning med rubriken “All Media are Social Media”.

Gästlärare på kursen “Materiell kultur och materialitet” inom mastersprogrammen för estetiska studier respektive kulturarv vid Etnologiska institutionen, Stockholms universitet, föreläsning med rubriken “Mediehistoria – representation och materialitet”.

Gästlärare vid forskarskolan i Kulturhistoriska studier, Stockholms universitet.

Kungl. Vetenskapssamhället i Uppsalas pris för tvärvetenskapligt arbete.

Årets Athena (ett pris som utdelas i samarbete mellan DIK-förbundet och det nationella studentnätverket Projekt Athena; fick utmärkelsen tillsammans med Sverker Sörlin).

## **Martin Emanuel**

Cyklismen i Stockholm – en 1900-talshistoria”, föredrag vid Cykelfrämjandets Stockholmsektions årsmöte den 31 mars.

“Slussen ur cyklistperspektiv”, föredrag vid seminarium om Slussen på Moderna museet den 6 september.

“Cykeltrafiken i Stockholm i historiskt perspektiv”, föredrag vid Trafiknät Stockholms seminarium den 19 december.

“Planning the Urban Bicyclist in Stockholm, 1930-1970”, presentation vid “Re/Cycling Histories: Users and the Paths to Sustainability in Everyday Life”, Rachel Carson Centre, München, 27-29 maj.

## **Maja Fjæstad**

“Den svenska kärnkraftslinjen”, föreläsning vid *Framtidsfokus*, Kulturhuset, arrangerat av Institutet för framtidsstudier, 11/1.

“Spelkulturen kommer bli mer jämlik”, Intervju i *DN* 21/1.

“Från dåtid till framtid – utveckling och visioner”, föredrag på Kyltekniska Föreningens årsmöte 5/5.

Deltagande i panelen “Jag har rätt! – att skapa vetenskap”, Sveriges Förenade HBTQ-studenter, Stockholm Pride, 5/8.

“Teknik + politik = egen atomlinje, eget uran, egen bomb?”, Radiointervju i *Jättestora frågor med Johanna Koljonen* 10/8 (<http://sverigesradio.se/sida/artikel.aspx?programid=4127&artikel=4637526>).

“Svensk kärnkraft – ett historiskt perspektiv”, Föredrag/panel på seminarium *Vad händer med kärnkraften?* SNS 6/12.

Innehållsredaktör för Sveriges Ingenjörers 150-årsjubileum, utställning och webbplats [ingenjorshistoria.se](http://ingenjorshistoria.se).

“Den politiska tekniken – kärnkraft, vetenskap och teknikdebatt” Föreläsning Cemus, Uppsala universitet, 28/4.

Kursansvarig, föreläsare, seminarieledare på *Gender and Technology* 7,5 cr, VT 2011.

Larsen, Katarina & Fjæstad, Maja, *Science laboratories and geographies of technology : A study of measurement techniques and international citation of Nobel laureates*. Presenterat på The 4th Norwegian Conference of History of Science, Oslo Norway, 20-22 nov.

Kommentator/chair vid *Dist-urbances: Embodying, Voicing, Challenging Comfort*,

*Safety, and Trust in Land- and Waterscapes of TechnoScience*, The First Uppsala Supradisciplinary Feminist Technoscience Symposium, UU (November 22-24th).

### **Anders Gullberg**

“Från hästspårvagn till trängselskatt”, Samfundet S:t Erik, Stockholm. 27 January.

Conference organiser: Svensk stad (together with others) Örebro University. 7-8 February.

Seminar leader: Segregation, Samfundet S:t Erik, Stockholm, 10 Mars.

PhD committee member/Member of PhD examination board: Karin Thoresson, *Att beräkna det goda samhället: Samhällsekonomiska analyser och gränsländet expertis-politik inom transportområdet*, TEMA institutions, Linköping University. 30 September.

Editor of the City of Stockholm’s monographs.

Member of editorial board Murmestare Embetets annual.

Member of the prize committee for Stockholmiapriset.

Report to VREF (VOLVO RESEARCH AND EDUCATIONAL FOUNDATIONS): “Transformative change in urban transport – the role of political leadership”.

### **Anders Houltz**

Course leader: 1N 5503 Introduktion till forskningsprocessen, 7,5 hp PhD level course at the Division of History of Science, Technology and Environment

Lecture: “A culture of engineers”, Dept of Communication and International Relations, KTH, 12 /1.

Lecture and guided tour: “The History of KTH”, KTH Staff Exchange Week, 11/4.

Lecture and guided tour: “The History of KTH”, Seminar with University of Urbana Campaign, Illinois, 4/5.

Guided tour: “The Valhallavägen Campus”, KTH Study abroad fair, 20/9.

Introduction lecture: “KTH och ingenjörskulturen”, Mediateknik, 21/9.

Lecture and guided tour: KTH: A Culture of Engineers, Introduction week for recently employed at KTH, 11/10.

Lecture and guided tour: KTH: A Culture of Engineers, PHD course, Electrical engineering, 24/11.

Member of the Industriehistoriskt forum executive committee.

Expert referee for the Research Council of Norway on the research application “Museers viten, museumsviten – Museologisk satsning ved universitetsmuseene – Vegen videre”.

Double-blind referee, *Bebyggelsehistorisk tidskrift*, september 2011: “Moderna Bergslagsstäder: Offentligt samhällsbygge som kulturarv”.

### **Per Högselius**

“The Making of Europe’s Critical Energy Infrastructures”, StandUp Academy, invited plenary lecture, Sigtuna, 30 May.

Making Europe Workshop, Wassenaar, 20-21 January.

Making Europe Workshop, Wassenaar, 11-13 May.

Faculty opponent: PhD thesis defence by Ann-Sofie Kall, Linköping University, 18 March.

Fellow-in-residence at the Netherlands Institute of Advanced Study (NIAS), Wassenaar, 1 September 2010-31 January 2011.

Member of Tensions of Europe Management Committee

Member of SHOT Hacker Prize Committee

Reviewer for the journal Energy Policy

### **Sabine Höhler**

Course coordinator: F1N5505 Theory and Method in Historical Research Part 1 (PhD student course).

Course assistant: AK1213 Swedish Society, Culture and Industry in a Historical Perspective.

Co-organizer of the international workshop “Data – Difference – Diversity: Technologies of Differentiation in the Life Sciences” at the Max Planck Institute for the History of Science in Berlin, Germany, 24-26 November.

Paper presentation “Life Support: Technology and Environment in the Age of the System”, Research Seminar, Division of History of Science and Technology, KTH 14 November.

Conference presentation: “Biodiversification: Service Ecology’s Economy”, Workshop “Data – Difference – Diversity: Technologies of Differentiation in the Life Sciences,” Max Planck Institute for the History of Science, Berlin, Germany, 25 November.

Reviewer for the Heinrich Böll Foundation, Berlin, Germany.

### **Arne Kaijser**

Workshop about the coming book series Making Europe at the Netherlands Institute of Advanced Studies, Wassenaar, 13-14 January.

Invited commentator at the Royal Academy of Engineering Sciences on the future study “Transport systems for sustainable development and competitiveness”, 2 February.

Lecture on Dutch water management at Tyréns consulting company, Stockholm, 9 May.

Workshop about the coming book series Making Europe at the Netherlands Institute of Advanced Studies, Wassenaar, 12-13 May.

Lecture on the history of Swedish infrastructure for the association “Humanisterna” in Sigtuna, 18 May.

Seminar on “The Infrastructural Transformation of Europe, 1850-2000” with Per Högselius at the Department for History of Science and Technology, KTH, 30 May.

Paper on “Politics of Pollution in Cold War Europe” at the biannual conference of the European Society for Environmental History, Turku, 28 June-2 July.

Opponent on Terje Finstad’s dissertation, “Varme visjoner og frosne fremskritt. Om fryseteknologi i Norge, ca. 1920-1965”, at the Norwegian University of Science and Technology, Trondheim, 23 September.

Invited speaker on “European infrastructures” at the Annual meeting of the Dutch Foundation for History of Technology (SHT), Eindhoven, 13 October.

Workshop about the coming book series Making Europe at Eindhoven Technical University, 13-14 October.

Workshop on Future Urban Transport at the Chinese Academy for Transport Studies, Beijing, 25-29 October.

Presentation of Leonardo da Vinci Prize Winner at the Annual Conference of the Society for the History of Technology, Cleveland, 3-6 November.

Paper together with Karel Mulder on “The dynamics of technological systems integration: Water management, electricity supply, railroads and industrialization at the Göta Älv” at the Annual Conference of the Society for Social Studies of Science, Cleveland, 2-5 November.



Lecture on “Nature’s Periphery. Rural Transformation by the Advent of Infrasystems” at a NIES doctoral workshop in Pori, 12-13 December.

Lecture on “Taming nature. The development of Dutch water systems during 1000 years” at the University of Pori, 13 December.

Senior Research Fellow at the Netherlands Institute of Advanced Studies, January 2011.

Invited peer expert for assessing professorship at Columbia University.

Member of the Executive Council of the Society for the History of Technology (SHOT).

Chair of the Leonardo da Vinci Prize Committee of the Society for the History of Technology (SHOT).

Chairman, Research Board of the Swedish Technical Museum.

Member of the Swedish Academy of Engineering Sciences.

Member of the Scientific Advisory Board, The Volvo Research and Educational Foundations, 2005-

Member of the Board of the School of Architecture and the Built Environment, Royal Institute of Technology.

Member of the Central Appointments Committee, Royal Institute of Technology.

Member of the Medal Committee of the Royal Academy of Engineering Sciences.

Editorial Advisory Board of the *Journal of Urban Technology*.

Editorial Advisory Board of the journal *Centaurus*.

Editorial Advisory Board of the journal *Polhem*.

### **Thomas Kaiserfeld**

Presentation vid Humanist- och teologdagarna, HT-dagarna, Tema Övergångar, Lunds universitet, 8-9 april.

Presentation vid History of European University: Challenges and Transformations, University of Lisbon, 17-21 april.

Kommentator vid Akademisk frihet och kollegialitet-samtal om personalpolitikens utformning, Personlig utveckling & professionella arbetsvillkor, personalpolitiskt program för Lunds universitet, 4 maj.

Kommentator vid International Committee for the History of Technology (ICOHTEC): Consumer Choice and Technology, University of Glasgow, Glasgow, 2-7 augusti.

Presentation vid Idéhistoria på gang, Institutionen för idé- och samhällsstudier, Umeå universitet, 27-28 september.

Presentation vid Society for Social Studies of Science, Cleveland, 2-5 november 2011. Sessionsorganisatör och presentation vid: The Fourth Norwegian Conference of History of Science, Universitetet i Oslo, 20-22 november.

Inledande talare vid: Vernissage för utställningen "Fysicums historia", Fysiska institutionen, Lunds universitet, 7 december.

Kommentator vid seminarium om två projektansökningar, Nobelmuseum, Stockholm, 8 mars.

"Vetenskapsakademier, högskolor och forskningsinstitut som lösningar på ett (inbillat?) problem under 300 år", Historiska institutionen, Lunds universitet, 29 mars.

Kursen "Renässans och vetenskaplig revolution", 7,5 hp. (ILHA11, delkurs 2), Avdelningen för idé- och lärdoms historia, Lunds universitet, 9 mars.

"Naturvetenskapliga fakultetens seminarier om vetenskaplighet", Naturvetenskapliga fakulteten, Stockholms universitet, 31 mars.

Kursen "Den moderna världsbildens framväxt", 7,5 hp. (ILHA11, delkurs 4), Avdelningen för idé- och lärdoms historia, Lunds universitet, 10 maj.

Systems of Knowledge legitimation: Historical perspectives and policies today", ITM PhD candidate workshop, ITM School, KTH, 17-18 maj.

"Alunbruket i omvärlden" (tillsammans med Svante Norrhem, Umeå universitet), Alunbruksdagen, Andrarums alunbruk, Christinehofs ekopark, 12 juni.

Kursen "Teknikhistoria", 4,5 hp (TNX 160 & TNE 140) vid Lunds tekniska högskola, 7 september.

Kursen "Teori och metod i de historiska vetenskaperna", delkurs 1 på Idé- och lärdoms historia, kandidatkurs (ILHK01), 7,5 hp. vid Lunds universitet, 12 september.

"Att klättra på en stege eller glida på ett sluttande plan: Karriärval och professioner som forskningsområde och erfarenhet", Historiska studier, introduktionskurs (HISS01), 7,5 hp, Masterprogram i historiska studier (HAHIS), Lunds universitet, 23 september.

"Kemi och nation: Salpeter och gödsel som vetenskap under frihetstiden", Lunds universitetshistoriska sällskap firar Kemins år på Kemicentrum, Lunds universitet, 29 september.

"Vetenskapshistoria", Teorier och metoder inom historievetenskapen (HISS02), 7,5 hp, Masterprogram i historiska studier (HAHIS), Lunds universitet, 13 oktober.

Kursen “Renässans och vetenskaplig revolution”, 7,5 hp. (ILHA11), delkurs 2), Avdelningen för idé- och lärdoms historia, Lunds universitet, 18 oktober.

Forskarutbildningskursen “Introduktionskurs för studerande på forskarnivå inom området för humaniora och teologi”, 7,5 hp, Lunds universitet, 19 oktober.

“Att komma ny som professor till LU – hur är det?”, Lunds universitets postdoktorsprogram, luPOD, 23 november.

Kursen “Den moderna världsbildens framväxt”, 7,5 hp. (ILHA11, delkurs 4), Avdelningen för idé- och lärdoms historia, Lunds universitet, 6 december.

“Vad betyder det att ha ett historiska perspektiv?”, Områdesdag för HT-områdets doktorander, Forskarskolan i historia, Historiska institutionen, Lunds universitet, 12 december.

Ledamot av styrelsen för Institutionen för kulturvetenskaper, Lunds universitet, 2011-01-01-.

Medlem i Områdesgruppen för forskning om teknisk utveckling och institutionell omvandling i det tidiga 2000-talet, Riksbankens jubileumsfond, juni 2010-.

Ledamot av Executive Committee of International Committee for the History of Technology (ICOHTEC) fr.o.m. augusti 2009.

Medlem i Sällskapet Idun sedan 3 december 2009.

Suppleant i stipendierådet för fysikern fil dr Ragnar Holms stiftelse, 2011-2014.

Ledamot av Kärnavfallsrådet, juni 2011-.

Sakkunnig vid tillsättning av lektorat i idé- och lärdoms historia, Institutionen för idé- och lärdoms historia, Uppsala universitet, november 2010-september 2011.

Sakkunnig vid ansökan om befordran till professor i idéhistoria från Doc. Erland Mårald, Institutionen för idé- och samhällsstudier, Humanistiska fakulteten, Umeå universitet, september-december.

Ordförande för betygsnämnden vid disputation med akademisk avhandling för filosofie doktorsexamen i idé- och lärdoms historia: Kristiina Savin, Fortunas klädnader: Lycka, olycka och risk i det tidigmoderna Sverige, Ugglan, Minervaserien 17 (Lund, 2011), 22 oktober.

2012 års Rausingpris, Lunds universitet.

### **Katarina Larsen**

“Nanotechnology in solar cells and technology trajectories”, LCES 2011 Low Carbon Earth Summit, October, Dalian, China.

“Basic and applied research and modes of knowledge production: a study of the Swedish institute for surface chemistry 1975-2005”, 16th Nordic Bibliometric Workshop, September, Denmark. With Karl Bruno.

“How Nobel Prize winners influence and shape their scientific landscape: a methodological development for the analysis of Nobel laureates in Physics”, 16th Nordic Bibliometric Workshop, September, Denmark. With Rodrigo Costas, Clara Calero and Thed van Leeuwen.

“Science laboratories and geographies of technology: A study of measurement techniques and international citation of Nobel laureates”, The 4th Norwegian Conference of History of Science, University of Oslo, 20-22 November. With Maja Fjæstad.

“Emerging technology and distributed innovation in solar cell technology: a study of topical islands, citation networks and the path most travelled”, DIME, Dynamics of Institutions and Markets in Europe, European framework programme. Maastricht. 6-8 April. With Clara Calero Medina.

“On the boundary of linearity: The split between basic and applied research in Sweden in the 1940s”, British Society for the History of Science Annual conference, July, University of Exeter, England. With Ingemar Pettersson and Sverker Sörlin.

### **Jesper Meijling**

“Fästpunkter”, commissioned text for AFN conference “Nya värderingar, nytt samhälle?”, Riksdagshuset in Stockholm, 7 December 2010, distributed in 2011.

“Marknad Maskin Rum Risk: marknadsiseringens landskap – med järnvägssystemet som exempel”, at the higher seminar of the Architecture school, KTH, Stockholm, 3 February.

“*Designs for Designs* – om marknadsplatsens konstruktionshandlingar och avsiktsprogram”, the Swedish STS conference, Linköping University, 24 March.

“Marknadsproblemet i järnvägssystemet”, at AFN conference “Marknadens gränser och politikens villkor”, Stockholm, 6 May.

“Medelhavets *porti franchi* och marknadens planeringshistoria”, at the seminar of the Swedish Institute in Rome, 24 May.

“The porto franco and its political theory: Swedish economic development and Johan Liljencrants’ European travel reports (1758-1761)”, at the conference “Wealth and Freedom: Swedish ‘Age of Liberty’ and European 18<sup>th</sup> century Political Thought Reconsidered”, Centre for Nordic Studies, Helsinki University, 15 December.

## **Ingemar Pettersson**

“Visioner i kristid: Politiska mål bakom bildandet av industriforskningsinstitut 1940-1945”, STS-konferens, Linköping University, March 23.

“On the boundary of linearity: The split between basic and applied research in Sweden in the 1940s”, BSHS Annual Conference, University of Exeter, July 17.

“Den kollektiva forskningens eviga dilemma”, Branscher finns dom? Ett seminarium om utvärdering och forskning om branscher, Faugert & Co, Stockholm, November 16.

“Foundations of industrial dynamics – evolutionary perspectives on technology, innovations, industry, entrepreneurship and management”, Department of Industrial Economics and Management, KTH. (VT2011)

“Epistemology in historical perspective”, Department of History of Science and Ideas, Uppsala University. (HT2011)

## **Libby Robin**

Invited Writer, Watermark Literary Muster, Camden Head NSW (2 panels), June.

Plenary lecture: “Managing the Nature and Culture of Place: Adding the Expertise of the Humanities” at *The Environmental Humanities*, Sigtuna, Sweden, 16 October (published lecture).

“Aliens from the Garden”, The State of Australian Cities Conference. With Joslyn Moore, Sharon Willoughby and Sara Maroske, Melbourne, 29 November-2 December.

“Environmental struggles, colonial legacies and the construction of identity”, Uppsala University (CEMUS), 20 October.

“Environmental History in Museums”. Joint initiative of Division of Science, Technology and Environment, Umeå University and Västerbottens Museum, Umeå, 11 October.

“Being First”, Royal National Park Conference, Sydney, 29 September.

“Environmental Predictions – Expertise, Future, and the Emerging Understanding of ‘Global Change’”, European Society for Environmental History conference, Turku, Finland, 29 June.

“Local Places, Global Processes: Histories of Environmental Change”, European Society for Environmental History conference, Turku, Finland, 30 June.

“Expertise and the Emergence of ‘Relevant Knowledge’ in Environmental Predictions and Global Change”, American Society for Environmental History conference, Phoenix, 14 April.

International One Day Workshop, “The Humanities and Climate Change”, KTH Royal Institute of Technology, Stockholm, 27 June.

Editor and Board Member, Historical Records of Australian Science (journal of the Australian Academy of Science, Canberra). Board since 1999.

International Advisory Board, Rachel Carson Center, Munich, a joint initiative in environmental history by Ludwig Maximilians Universität and the Deutsches Museum.

National Committee for the History and Philosophy of Science, Australian Academy of Science (since 2004).

International Advisory Board, Integrated History and Future of People on Earth (IHOPE). Stockholm Resilience Centre (since 2011).

Australian and New Zealand Environmental History Network Convenor (since 2000).

Board: International Consortium of Environmental History Organisations (ICEHO), Vice-President (since 2011).

International Advisory Board, *World History of Science Online*, University of Oklahoma (since 2010).

International Advisory Board, Center for Art+Environment, Nevada Museum of Art (since 2009).

Editorial Board *Environment and History* (White Horse Press, UK) (since 2005).

National Common Names Committee (Birds Australia) (since 2005).

*Gippsland Heritage Journal*, Advisory Board Member, annual peer-reviewed journal published by Kapana Press, Bairnsdale, Victoria (since 1999).

Commonwealth Working Party, Australian Dictionary of Biography (since 1997).

Editorial Board *Australian Humanities Review* (since 1997).

Reviewer/refereeing: Australian Research Council, Social Sciences and Humanities Research Council of Canada, EarthWatch Australia, National Research Foundation of South Africa, Department of Environment (Cultural Heritage), Murray-Darling Basin Authority (Social-Economic Systems analysis), University of South Africa (Prize), University of Vermont USA (Promotion).

Refereeing (journals): *Altitude*, *Australian Archaeology*, *Australian Geographer*, *Australian Historical Studies*, *Australian Humanities Review*, *Australian Journal of Botany*, *Australian Journal of Environmental Management*, *Australian Rangelands Journal*, *Australian Forest History Society Proceedings*, *Colloquy*, *Conservation and Society* (US), *Cultural Studies Review*, *Environment and History* (UK), *Environmental History* (US), *Eras – Monash School of Historical Studies Journal*, *GEC Journal* (University of East Anglia), *Geographical Research*, *Gippsland Heritage Journal*,

*Historical Records of Australian Science, Kronos (South Africa), Journal of Environmental Management (Cambridge, UK), Media/Culture, Melbourne Historical Journal, Oceania, Proceedings of the Royal Zoological Society of New South Wales, reCollections (NMA), Studies in Western Australian History, Tasmanian Historical Studies, The Rangeland Journal, Transactions of the Royal Society of South Africa, Transactions of the Institute of British Geographers, Trans/Forming Cultures.*

Book Manuscript reviews: Australian National University (ANU e-press), Cambridge University Press, Continuum Books (UK), CSIRO Publishing, Federation Press, Melbourne University Press/Publishing, NMA Press, Nuttall Ornithological Club (Cambridge Mass.), Oxford University Press, Palgrave Macmillan (New York), Routledge UK, Routledge US, University of New South Wales Press, University of Queensland Press.

Senior Fellow, Fenner School of Environment and Society, Australian National University, Canberra (2007-2011).

Senior Research Fellow (50%), Centre for Historical Research, National Museum of Australia, Canberra (2007-2013).

## **Sverker Sörlin**

### *Conference participation*

Miljödepartementet, Arktis under svenska ordförandeskapet i Arktiska rådet. Stockholm. 2011-01-12.

München, “The Science of Ice and Snow during the Cold War”, keynote address, Rachel Carson Center, 2011-01-27—29.

Formas: Framtidens miljöforskning. 2011-02-15.

Stockholm Resilience Centre: Creative Research Environments. 2011-03-23.

Skogs- och Lantbruksakademien: Donationer. 2011-04-04.

Phoenix, Arizona, American Society for Environmental History, “Expertise for the Future”, paper and special session. 2011-04-14.

Högskola Samhälle i Samverkan, HSS-dagen, “Från Jante till entreprenör” (inledningsföredrag). 2011-05-04.

“Assessing Arctic Futures: Voices, Resources and Governance.” MISTRA workshop, Abisko, 2011-05-17.

SCAS Uppsala: Anders Sparrman i ny belysning, “Att vara linnélärjunge” (inledningsföredrag).

Arctic Forum with EU, French Embassy, Swedish Foreign Office... , talk: “On Arctic climate change and science politics”, 30 May.

Akureyri: 7<sup>th</sup> International Congress of Arctic Social Science. "Assessing Arctic Futures: Voices, Resources and Governance." 25 June.

European Society for Environmental History, "Terrestrial Modern", keynote address. 2011-06-28.

European Society for Environmental History, "Expertise and Prediction", paper and special session. 2011-06-28.

Tromsø: Nordiskt historikermöte. "Finns det en svensk politik för Arktis?" paper. 2011-08-11.

Båstad: Lilla Filmfestivalen. 2011-08-04. Kommentar till Jan Lindqvists långfilmsdokumentär "Tiden är en dröm".

Lund, Grand Hotel: Svenska trädgårdsmästarsällskapet. "Stadsnära natur". Föredrag.

Nobelmuseet: "Den goda människan – finns hon?" (m Birgitta Tullberg). 2011-09-19.

Köpenhamn: Det strategiske forskningsråd. "How to support strategic research." 2011-09-21.

Helsinki: Autonomy in Universities. 2011-10-10. Talk on experience of Nordic and European autonomy reforms.

"Trends in the Humanities", Trondheim 2011-10-11.

St. Petersburg, Russia: "Assessing Arctic Futures: Visionaries", 13-15 October 2011.

Environmental Humanities: workshop on writing with Libby Robin. KTH o Uppsala unin. På Sigtunastiftelsen 2011-10-17.

Svenska Sällskapet för Antropologi och Geografi: Wahlberg Medal seminar in the honour of Carole L. Crumley. Stockholm University. 2011-10-26.

Copenhagen University: World Travel and Local Encounters. Paper on Religion and travel in Linnaeus' and his travelling disciples. 2011-10-27.

Oslo University: Rethinking Modern University History. Paper on the history of KTH as innovative university. 2011-10-29.

Voss, Norway: Det norske inrikesdepartementet. Högtidsanförande om skidåkning och norsk regionalpolitik med anledning av att distriktspolitikken i Norge fyller femtio år. 2011-10-31.

Stockholm: Sveriges konsumenter, årskonferens. "Varför konsumerar vi?", öppningsanförande. 2011-11-08.



Stockholm: ABF Socialistiskt Forum. "Vilken roll bör biologin spela i den politiska debatten?". 2011-11-19.

Stockholm: AFA Försäkring. "De stora linjerna i det svenska forskningslandsakpet". Öppningsanförande. 2011-11-25.

Stockholm: Skolverket. "Humaniora och samhället". 2011-12-08.

#### *Referee*

Routledge, New York: Global Environmental History (book ms)

Routledge, New York: Arctic Climate (book ms)

Referee, Universitetet i Oslo, book ms (1)

Norges forskningsråd, book ms (1)

Norges forskningsråd, applications (2)

Riksbankens jubileumsfond, application (1)

Vetenskapsrådet, application (1)

*Bulletin of the History of Medicine*, article (1)

*Science, Technology & Human Values* (1)

*Journal of Historical Geography* (1)

*Journal of Northern Studies* (1).

#### *Other activities*

Part of Docent Committee, Rebecka Milestad, KTH.

Promotion to full professor, category III, Australian National University.

Innovation Essay Competition, Entreprenörskapsforum (jury member).

Part of Examination Committee, Pauline Mattson, Karolinska Institutet.

Area editor for *Ecology & Society*.

#### *Awards*

Doctor honoris causa, Turun Yliopistu – Åbo universitet. Maj.

Athena-priset för insatser för humaniora. Juli.

## **Carlos Cano Viktorsson**

“Demands for Real-Time Traveling Information and the Role of ICT:s for Sustainable Travel and Mobility in Stockholm” at Cité des Telecommunications’ Doctoral Summer School on “Mobility and Information Technologies: a long-term perspective”, Pleumeur-Bodou, France, 14 September.

Visiting Ph.D Student at the Cité des Telecommunications’ Doctoral Summer School on “Mobility and Information Technologies: a long-term perspective”, Pleumeur-Bodou, France, 12-16 of September.

## **Nina Wormbs**

“Renar, raketer och rymd”, i Framtidsfokus “Så byggdes Sverige – välfärdssamhälle och militär hand i hand”, 11 January, Studie 3, Kulturhuset.

Invited to speak with Lars Gustafsson under the heading “En förförelse från berättelsens sida: om orsaker och orsaksförklaringar”, Seminar, KTH, February 3.

Speaker together with Sverker Sörlin, “How Trust in People Is Building Trust in Numbers: The Science Politics of Arctic Climate Modeling”, Research seminar “Trust in People and Knowledge: Perspectives on social relations and scientific practice” arranged by the Aarhus Network for Science, Technology, and Medicine Studies, Aarhus university, February 10.

“Kommunikation och språk i förändring” Framtidsfokus 31 May, Studio 3, Kulturhuset.

Speaker together with Sven-Eric Liedman under the heading “Teknikens herravälde”, Kultursverige 2040, Conference arranged by Swecult, Stockholm 31 January.

Presentation in session on “Historiska analogier”, Historikerdagarna, May 5-8.

Panelist, “Kulturpolitikens utmaningar”, Samspråk, Almedalen, July 4.

“The invisible resource: sharing the radio spectrum for early European broadcasting”, talk at European University at St Petersburg, October 12.

Presentation together with Sverker Sörlin, “KTH and the Formation of Swedish Innovation Systems, 1920 to 1980”, Conference Rethinking Modern University History, Oslo University, October 28-30.

Member of evaluation committee for the defence for the doctoral degree of Michael Forsman, “Lokalradio och kommersiell radio 1975 – 2010. En mediehistorisk studie av produktion och konkurrens”, June 1, JMK, Stockholm University.

Chair of teaching committee for Misse Wester’s docent lecture.

Board member of Nobel Museum AB, 2011-

Member of the Swedish Broadcasting Commission, 2009-

Member of Riksbankens Jubileumsfonds Områdesgrupp “Teknisk förändring och institutionell förnyelse i det tidiga 2000-talet”, 2011.

Acting member of the board of Ridderstad foundation, 2011-

Member of the Editorial Committee for Technology and Culture, 2011-2015.

Member of Anställningsutskottet, 2011-

Responsible for KTH Samtal, Public discussion forum for society relevant research Deputy Member (ersättare), Tjänsteförslagsnämnden, ABE, 2011.

Member of selection committee (Valberedning), Svenska Nationalkommittén för Teknik- och vetenskapshistoria, Spring 2011.

Interviewed in radio series on Nordic cultural cooperation, producer Bengt Lindroth, broadcast in June.

Interviewed in SVT Forum on increased uncertainty together with Sven Ove Hansson and Henry Montgomery, September.

Interviewed in the paper Effekt, summer 2011.

Course responsible and lecturer, Media, technology and culture, 7,5 hp, advanced level, fall 2011.

Responsible for 1,5 hp part of Computer history module in Programsammanfattande kurs, Data, spring 2011.

Lectures on history of technology and or gender in Swedish Society, Ingenjörsvetenskap, Öppen ingång and education for teachers at Vetenskapens hus.

### **Petter Wulff**

“Close but still apart – the trajectories of dynamite and sea mine development in Sweden”, ICOHTEC conference, Glasgow, August.

### **Anna Åberg**

“Naturgasen som krishantering: Svensk energipolitik i spåren av energikriserna”, Det 27 Nordiskt Historikermöte, Tromsø, Norge, 11-14 augusti.

“Failure to Connect: Swedish-Soviet pipeline negotiations and the creation of a natural gas industry” at the seminar of the HASTS doctoral students programme, MIT, Boston, January 17.

Panellist in panel discussion: “STS och populärkultur” at STS-dagarna Linköping, March 23-24.

Panellist in panel discussion: “Kurser och seminarier om fantastik” at Eurocon, KTH, Stockholm, June 17-19.

“The Dawning of the Cyborg has arrived” at Eurocon, KTH, Stockholm, June 17-19.

Panel chair: “Jag har rätt- att skapa vetenskap” at Stockholm Pride festival, Stockholm, August 5.

“Naturgasen som krishantering – Svensk energipolitik i spåren av energikriserna” at Nordiskt Historikermöte, Tromsö, August 11-14.

“Dealing with sea monsters: On gas grids, relative risk and transnational trust”, at Disturbances: Embodying, Voicing, Challenging Comfort, Safety and Trust in Land- and Waterscapes of TechnoScience. The First Uppsala Supradisciplinary Feminist Technoscience Symposium, Centre for Gender Research, Uppsala University November 22-24.

“En bransch blir till: naturgasen som ny, svensk infrastruktur”, at Branscher – finns dom? Ett seminarium om utvärdering och forskning om branscher, Faugert & Co, Stockholm, November 16.

Member of the Swedish National Committee for History of Technology and Science

Course responsible for (and developer of) *Science Goes Fiction AK1205*, KTH.

Seminar leader in *Energy and geopolitics AK 2201* and *Media, Technology and Culture AK 2203*.

“Naturgas som risk och säkerhet”, *Energisäkerhet i lokala och globala energisystem*, Department of Physics and Astronomy, Uppsala University, February 16.

“Cyborgs and Cyber-feminism”, *Gender and technology, AK2202*, Division for the History of Science, Technology and Environment, KTH, May 10.

“Future visions of media: Media technology in science fiction and reality”, *Media, Technology and Culture AK 2203*, Division for the History of Science, Technology and the Environment, KTH, September 8.

## Publications



Anders Ekström, Nina Wormbs, Ingemar Pettersson and Maja Fjæstad

Appelblad, J. and **D. Nilsson**, “From ‘All for some’ to ‘Some for all’?: A historical geography of pro-poor waterprovision in Kampala”, *Journal of Eastern African Studies*, 2011.

**Avango, D.**, “Antarctic stations between whaling, science and geopolitics: the LASHIPA 8 expedition”, *Polarforskningssekretariatet: årsbok 2010*, ed. Sofia Rickberg, Stockholm: Swedish Polar Research Secretariat.

**Avango, D.**, “Prospecting camps for mineral resources and Arctic politics: The LASHIPA 9 expedition”, *Polarforskningssekretariatet: årsbok 2010*, ed. Sofia Rickberg, Stockholm: Swedish Polar Research Secretariat.

**Avango, D.**, J. af Geijerstam, **A. Hultz** and M. Isacson, “The Imprints of Industry: Marie Nisser and the development of industrial heritage research in Sweden”, *Patrimoine d'industrie/Industrial patrimony*, 26, 151-160.

Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Six Images of the Future – Introduction and Definitions” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 271-278.

Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Urban Cores 2050 – Fast and Slow” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 279-285.

- Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Suburban Centers – Fast and Slow” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 287-292.
- Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Low-Rise Settlements – Fast and Slow” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 293-299.
- Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Measures and Possibilities in Concentration” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 301-308.
- Bergman, B., Fuehrer, F., **Gullberg, A.**, Höjer, M. and Pettersson, R. “Time Use Today and in Images of the Future” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 309-317.
- Björklund, A., A. Carlsson, **A. Ekström**, I. Enkvist, J. Gustafsson, L. Heikensten, T. Klingberg, P. Nuder, B. Samuelsson, **S. Sörlin**, C. von Greiff, “Vi vill bidra till att göra svensk utbildning bättre”, *Dagens Nyheter*, 2011-05-11.
- Bohn, M.**, “Concentrating on CO(2): The Scandinavian and Arctic Measurements”, *Osiris*, 26, 165-179.
- Christensen, M.**, “Online Social Media, Communicative Practice and Complicit Surveillance in Transnational Contexts”, *Online Territories*, ed. M. Christensen, A. Jansson and C. Christensen, New York: Peter Lang Publishing Group.
- Christensen, M.** and A. Jansson, “Fields, Territories and Bridges: Networked Communities and Mediated Surveillance in Transnational Social Space”, *The Internet & Surveillance: The Challenges of Web 2.0 and Social Media*, ed. C. Fuchs, K. Boersma, A. Albrechtslund and M. Sandoval, London: Routledge.
- Christensen, M.** and A. Jansson, “Cultural citizenship and the communicative space of mediated sexual expressivity”, *International Journal of Media and Cultural Politics*, 7:2.
- Christensen, M.**, A. Jansson and C. Christensen, “Globalization, Mediated Practice and Social Space: Assessing the Means and Metaphysics of Online Territories”, *Online Territories*, ed. M. Christensen, A. Jansson and C. Christensen, New York: Peter Lang Publishing Group.
- Christensen, M.**, A. Jansson and C. Christensen (eds), *Online Territories*, New York: Peter Lang Publishing Group.
- Ekström, A.** “Knowing Audiences, Knowing Media: Performing Publics at the Early Twentieth-Century Fun Fair”, *History of Participatory Media: Politics and Publics, 1750-2000*, eds. A. Ekström, S. Jülich, F. Lundgren and P. Wisselgren, New York: Routledge.

- Ekström, A.**, J. Boguslaw, L. Geschwind, N. Stenlås, **S. Sörlin**, M. Terrell, E. Wadensjö, *Humanisterna och framtidssamhället*, Stockholm: Institutet för Framtidsstudier.
- Ekström, A.**, S. Jülich, F. Lundgren and P. Wisselgren, “Participatory Media in Historical Perspective: An Introduction”, *History of Participatory Media: Politics and Publics, 1750-2000*, eds A. Ekström, S. Jülich, F. Lundgren and P. Wisselgren, New York: Routledge, 2011, 1-9.
- Ekström, A.**, S. Jülich, F. Lundgren and P. Wisselgren (eds), *History of Participatory Media: Politics and Publics, 1750-2000*, New York: Routledge.
- Ekström, A.** and **S. Sörlin**, *Tänk stort om humaniora!*, Oslo: NIFU.
- Ekström, A.** and **S. Sörlin**, “Därför behöver Sverige reformera sin forskning”, *Dagens Nyheter*, 5 december.
- Ekström, A.** and **S. Sörlin**, “Humanisterna och framtidssamhället”, *Humanisterna och framtidssamhället*, Stockholm: Institutet för framtidsstudier, 9-24.
- Emanuel, M.**, “Släpp cyklarna loss, det är vår!”, KTH&Co.
- Emanuel, M.**, “New Delhi: Motorburen modernitet”, Kommunaltekniska föreningen.
- Finnveden, G., J. Ljungkvist, S. Barthel, **S. Sörlin**, *The Urban Anthropocene - Lessons for Sustainability from the Environmental History of Constantinople* (report).
- Fjästad, M.**, “Kalla kriget sett ur ett miljöperspektiv”, *Svenska Dagbladet*, Under strecket, 11 juli.
- Fjästad, M.**, “Fast Reactors as Future Visions: The Case of Sweden”, *A Comparative Study of European Nuclear Energy Programs*, ed. Albert Presas i Puig, Berlin, Max Planck Institute for the History of Science.
- Galaz, V., F. Moberg, E.-K. Olsson, **E. Paglia**, and C. Parker, “The institutional and political leadership dimensions of cascading ecological crises”, *Public Administration*, 89, 361–380. doi: 10.1111/j.1467-9299.2010.01883.x
- Granér, S., A. Kander, L. J. Lundgren and **S. Sörlin**, “HT Forum: Miljöns historia”, *Historisk Tidsskrift*, 131:1, 64-84.
- Gribbe, J.**, *Stril 60: Teknik, vetenskap och svensk säkerhetspolitik under det kalla kriget*, Doctoral Thesis, Hedemora: Gidlunds.
- Gullberg, A.**, “Development of Urban Structures” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 49-59.
- Gullberg, A.**, “Housing and Other Premises” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 147-162.
- Gullberg, A.**, “Företal”, in Nilsson, Torbjörn (red.), *Stockholm blir välfärdsstad*, Stockholm: Stockholmia.
- Gullberg, A.**, “Företal”, in Borg, Alexandra, *En vildmark av sten – Stockholm i litteraturen 1897–1916*, Stockholm: Stockholmia.

- Gullberg, A.**, “Företal”, in Hermelin, Brita, *Det globaliserade tjänstesamhällets Stockholm – Ekonomiska geografier i omvandling*, Stockholm: Stockholmia.
- Gullberg, A.**, “Företal”, in Sennefeldt, Karin, *Politikens hjärta – Medborgarskap, manlighet och plats i frihetstidens Stockholm*, Stockholm: Stockholmia.
- Gullberg, A.**, “Företal”, in Larsson, Bo och Svensson, Birgitta (ed.), *Andra Stockholm – Plats, liv och identitet i storstaden*, Stockholm: Stockholmia.
- Gullberg, A.**, “Företal”, in Lilja, Elisabeth, *Den segregerade staden – Tre kvarter i Stockholms innerstad*, Stockholm: Stockholmia.
- Gullberg, A.**, Hedberg, L. and Höjer, M. “Buildings” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 261-264.
- Gullberg, A.** and Lundin, P. “Future Cities – Possible Changes” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 101-108.
- Gustafsson, U., **D. Avango**, B. L. Basberg and G. Rossnes, *LASHIPA 6 : Archaeological Expedition on South Georgia 3 March - 12 April*, (Groningen: Arctic Center, University of Groningen, 2011).
- Houltz, A.**, “Under ytan: Snowhow, polarheltenes læremestre: inuitter, samer og ishavsfolk, Polarmuseet, Tromsø Museum”, *Museumsnytt*, 59:2, 12-14.
- Högselius, P.**, “Tillbaka till framtiden”, KTH&Co, 4.
- Högselius, P.**, “Spår i sand berättar om Jordens historia”, *Svenska Dagbladet*, 14 april.
- Högselius, P.**, “Havet - från hem till utsikt och badbalja”, *Svenska Dagbladet*, 16 juni.
- Högselius, P.**, “Mördandets epok summerad”, *Svenska Dagbladet*, 11 maj.
- Högselius, P.**, “Challenging Chernobyl’s Legacy: Nuclear power policies in Europe, Russia and North America in the early 21<sup>st</sup> century”, *Nuclear Energy Development in Asia: Problems and Prospects*, ed. Yi-Chong Xu, Basingstoke and New York: Palgrave Macmillan.
- Högselius, P.**, “Das Neue aufrechterhalten: Die Neue Kernenergie in historischer Perspektive”, *Neue Technologien in der Gesellschaft: Akteure, Erwartungen, Kontroversen und Konjunktoren*, eds. C. Kehrt, P. Schüssler and M. D. Weitze, Bielefeld: Transcript Verlag.
- Högselius, P.**, “Review of Schot, J., Lintsen, H. and Rip, A. (eds), *Technology and the Making of the Modern Netherlands*”, *ISIS*, 102:4, 788-789.
- Högselius, P.**, “Review of Kall, A.-S, *Förnyelse med förhinder: den riksdagspolitiska debatten om omställningen av energisystemet 1980-2010*”, *Historisk tidskrift*, 131:4, 823-825.
- Höhler, S.**, [review of] “Kehrt, Christian, *Moderne Krieger: Die Technikerfahrung deutscher Luftwaffenpiloten 1910-1945* (2010)”, *Technikgeschichte* 78:4, 357-358.



- Höjer, M., **Gullberg A.** and Pettersson, R., “Backcasting images of the future city – time and space for sustainable development”, *Technological Forecasting and Social Change* 78:5, 819-834.
- Höjer, M., **Gullberg A.** and Pettersson, R. (eds.), *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer.
- Höjer, M., **Gullberg A.** and Pettersson, R. “The Sustainable City” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 3-9.
- Höjer, M., **Gullberg A.** and Pettersson, R. “Limitations and Necessities” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 11-24.
- Höjer, M., **Gullberg A.** and Pettersson, R. “Limits of Urban Sustainability” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 25-36.
- Höjer, M., **Gullberg A.** and Pettersson, R. “Urban Tempo and Structure” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 37-42.
- Höjer, M., **Gullberg A.** and Pettersson, R. “Introduction: Urban Structure, Activity Patterns and Technology” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 45-48.
- Höjer, M., **Gullberg A.** and Pettersson, R. “Energy Use in 2000 and 2050” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 329-351.
- Höjer, M., **Gullberg A.** and Pettersson, R. “The Sustainable City: Necessary System Shifts and Their Conditions” in Höjer, M. et. al, *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 397-433.
- Kaijser, A.**, “The Trail from Trail. New Challenges for Historians of Technology”, *Technology and Culture*, 52:1, 131-142.
- Kaijser, A.**, “The Use of Computers for Controlling Electricity Flows in Sweden, 1950-1980”, *History of Nordic Computing* 3, J. Impagliazzo, P. Lundin and L. Wangler (eds), Springer, Heidelberg, 28-34.
- Kaijser, A.**, “Chronicle about a student revolt at KTH in 1901”, *Osqledaren*, 4.
- Kaiserfeld, T.**, “Det tekniska projektet”, *Sveriges historia: 1721-1830*, ed. Dick Harrison, Stockholm: Norstedts Förlag, 495-500.
- Kaiserfeld, T.**, “Magnus Bohman, Bonden, bygden och bördigheten: produktionsmönster och utvecklingsvägar under jordbruksomvandlingen i Skåne ca 1700-1870”, *Lund Studies in Economic History* 52 (Lund: Ekonomihögskolan, 2010), *Sjuttonhundratals: Nordic Yearbook for Eighteenth-Century Studies*, 7, 255-256.

- Larsen, K.**, “Nanotechnology in solar cells and technology trajectories”, *Proceedings Low Carbon Earth Summit (LCES-2011)*.
- Larsen, K. and K. Bruno**, “Basic and applied research and modes of knowledge production: a study of the Swedish institute for surface chemistry 1975-2005”, *Proceedings, 16th Nordic Bibliometric Workshop*.
- Larsen, K., K. Bruno and S. Sörlin**, “Vetenskaplig publicering som strategi för industrisamarbete (Scientific publication as a strategy for collaboration with industry)”, *Forskningspolitikk*, 4, 22-23.
- Larsen, K., C. Rodrigo, C. Calero and T. van Leeuwen**, “How Nobel Prize winners influence and shape their scientific landscape: a methodological development for the analysis of Nobel laureates in Physics”, *Proceedings 16th Nordic Bibliometric Workshop*.
- Larsen, K., U. Gunnarsson-Östling and E. Westholm**, “Environmental scenarios and local-global level of community engagement: Environmental justice, jams, institutions and innovation”, *Futures: The journal of policy, planning and futures studies*, 43:4, 413-423.
- Larsen, K., I. Pettersson and S. Sörlin**, “On the boundary of linearity: The split between basic and applied research in Sweden in the 1940s”, *Proceedings BSHS-conference 2011*.
- Lundin, P. and **Gullberg, A.**, “Stockholm’s Urban Development” in Höjer, M. et al., *Images of the Future City. Time and Space For Sustainable Development*, Dordrecht, London, New York, Heidelberg: Springer, 77-99.
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