

CURRICULUM VITAE

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A. ACADEMIC EDUCATION & QUALIFICATIONS

Filosofie doktor (PhD in History of Technology), Department of History of Science and Technology, KTH Royal Institute of Technology, Stockholm, Sweden, 1999.

Civilingenjör (MScEng in Engineering Physics), KTH Royal Institute of Technology, Sweden, 1992.

Qualification Assessment as:

- Associate Professor in *Science Studies*, Aarhus University, Denmark, 2011.
- Associate Professor in *Technology Studies*, IT University of Copenhagen, Denmark, 2009.
- Associate Professor in *Security Studies*, University of Copenhagen, Denmark, 2008.
- Associate Professor in *History of Technology*, Technical University of Denmark, Denmark, 2006.

B. PROFESSIONAL EXPERIENCE

2018 – present, Visiting Scholar, Max Planck Institute for the History of Science, Germany.

2018 – present, Guest Researcher, KTH Royal Institute of Technology, Sweden.

2013 – 2018, Associate Professor of the History of Industrialization, Aalto University, Finland.

2011 – 2013, Senior Lecturer in Theory of Science, University of Gothenburg, Sweden.

2010 – 2011, External Associate Professor of History, University of Copenhagen, Denmark.

2008 – 2010, Associate Professor of Political Science, Centre for Advanced Security Theory (CAST), University of Copenhagen, Denmark.

Spring 2008, Associate Professor (Visiting) of History of Ideas, Aarhus University, Denmark.

2006 – 2008, Associate Professor of History of Technology, Technical University of Denmark (DTU), Denmark.

2004 – 2006, Assistant Professor (Visiting) of History, Northwestern University, USA.

2003 – 2004, Research Fellow in History of Technology, KTH Royal Institute of Technology, Sweden.

2001 – 2003, Lecturer in History of Science and Technology, Imperial College London, University of London, UK.

2000 – 2001, Swedish Foundation for International Cooperation in Research and Higher Education (STINT) Postdoctoral Scholar, Program in Science, Technology, and Society (STS), Massachusetts Institute of Technology (MIT), USA.

June-Sept 2000, Visiting Research Fellow in History and Policy Studies of Science & Technology, University of Manchester, UK.

2000 – 2001 Researcher, Swedish Institute for Studies in Education and Research, Sweden.

Sept 1999 – Feb 2000, Assistant Professor (Acting) of Technology and Social Change, Linköping University, Sweden.

1993-99, Doctoral Research Scholarship, KTH Royal Institute of Technology, Sweden.

Fall 1997, Visiting Investigator, Dept of Technology and Social Change, Linköping University, Sweden.

Jan – Nov 1991, Scientific associate in history of science, Microcosm: CERN Science and Technology Expo, European Laboratory for Particle Physics (CERN), Geneva, Switzerland.

Summer 1990, Technical Student Trainee, Advanced Semiconductor Technology Department, Seiko Instruments Inc., Chiba, Japan.

C. HONORS

Major Grants, Fellowships & Awards

2017-18 Kone Foundation Project Grant for Research, Principal Investigator (PI) of project *From Roadmap to Road Show: A collective demonstration & information project to strengthen Finnish digital history*, 118.000 €

2016-17 Kone Foundation Project Grant for Research, Principal Investigator (PI) of project *Towards a Roadmap for Digital History in Finland: Mapping the Past, Present & Future Developments of Digital Historical Scholarship*, 56.375 €

2014 The Research Foundation of Helsinki University of Technology, Principal Investigator (PI) of project to make inventory of the artifact collections of Helsinki University of Technology, 20.000 €

2013 Letterstedtska Foundation Nordic Research Award, awarded to arrange a joint Aalto University & Helsinki University international seminar series on perspectives on Nordic history of industrialization and innovation, 20.000 SEK

2011-2012 Vice-Chancellor's Doctoral Course Development Grant, competitively awarded cross-faculty and trans-disciplinary doctoral course development grant, The Vice Chancellor's Office, University of Gothenburg, 130.000 SEK

2011-2013 Research Grant in Humanities and Social Sciences, Principal Investigator (PI) of project *Spreading Terror: Technology and Materiality in the Transnational Emergence of Terrorism, 1866-1898*, within Research Program "The Globalization of Society", The Swedish Research Council (VR), 1.59 MSEK

2002-2003 SHOT International Scholar, Society for the History of Technology (SHOT).

2000-2001 STINT Postdoctoral Research Scholarship, Swedish Foundation for International Cooperation in Research and Higher Education (STINT), 321.000 SEK.

2000 The Nils-Eric Svensson Fellowship, Bank of Sweden Tercentenary Foundation, 100.000 SEK. *National research grant awarded annually to two PhD's in humanities and social sciences.*

2000 The Swedish National Council for Cultural Affairs Publication Award in Academic Literature to Symposion for the monograph *Den gemensamma utvecklingen*. *Competitively awarded government grant for "promoting quality and diversity in book publishing," to distribute academic literature to all municipal libraries and 100 selected booksellers in Sweden.*

Honorary Appointments

- April-May 2017, Visiting Professor, Centre for Digital Humanities, University of Gothenburg, Sweden.
- Oct 2013, Visiting Scholar, Program in Science, Technology, and Society (STS), Massachusetts Institute of Technology (MIT), USA.
- 2011 – 2013, Associate Researcher, Centre for Advanced Security Theory (CAST), Department of Political Science, University of Copenhagen, Denmark.
- March -April 2013, Visiting Scholar, Centre for the History of Science, Technology and Medicine (CHSTM), University of Manchester, UK.
- Sept – Oct 2012, Visiting Researcher, Research Policy Institute (FPI), Lund University, Sweden.
- Nov 2011 – Jan 2012, Visiting Researcher, Dept of History of Science and Technology, KTH, Stockholm, Sweden.
- July-August 2011, Visiting Scholar, Department of History and Sociology of Science, University of Pennsylvania, Philadelphia, USA.
- May 2011, Visiting Educator, Department of History, Whitman College, Walla Walla, USA.

- July-August 2010, Visiting Scholar, Department of History and Sociology of Science, University of Pennsylvania, Philadelphia, USA.
- Nov 2009, Guest Scholar, Nobel Museum Research Library, Nobel Museum, Stockholm, Sweden.
- May 2009, Visiting Researcher, Dept of History and Politics, Drexel University, Philadelphia, USA.
- 2007 – 2008, Associated Researcher, Medical Museion, University of Copenhagen, Denmark.
- 2003 – 2005 Academic Visitor, Centre for the History of Science, Technology and Medicine (HOSTM), Imperial College London, University of London, UK.
- 2000 – 2001, Visiting Scholar, Program in Science, Technology, and Society (STS), Massachusetts Institute of Technology (MIT), USA.

Research Awards & Travel Grants

- *LETStudio Travel Grant*, University of Gothenburg, 2012.
- *Sven Pettersson's Fund for Humanistic Sciences Foundation*, University of Gothenburg, 2011.
- *Beckman Center for the History of Chemistry Travel Grant*, Chemical Heritage Foundation, 2008.
- *Imperial College Center for Educational Development Grant*, Imperial College London, 2002.
- *Knut & Alice Wallenberg Foundation Young Researcher Travel Grant*, Linköping University, 2000.
- *Society for the History of Technology Travel Grant*, SHOT, 1995.
- *Fredrik Björn's Foundation Grant*, KTH, 1995.
- *Ragnar and Astrid Signeul's Foundation Grant*, KTH, 1995.
- *Olof Ahlöf's Foundation Grant*, Royal Swedish Academy of Sciences, 1994.
- *Scandinavia-Japan Sasakawa Foundation Grant*, Swedish Section, 1994.
- *Electric Power Foundation Grant*, Swedish National Museum of Science & Technology, 1994.
- *Torsten Althin Memorial Foundation Grant*, Friends of the Swedish National Museum of Science & Technology, 1994.
- *KTH Doctoral Candidate's Internationalization Grant*, KTH, 1993.
- *Scandinavia-Japan Sasakawa Foundation Grant*, Swedish Section, 1990.
- *Ragnar and Astrid Signeul's Foundation Grant*, KTH, 1990.
- *Torsten Althin Memorial Foundation Grant*, Friends Association of the Swedish National Museum of Science & Technology, 1990.
- *School of Engineering Physics Internationalization Grant*, KTH, 1990.

D. PUBLICATIONS

Top 10 marked with * for publications overall, ~ for English publications

Books

* Mats Fridlund, *Den gemensamma utvecklingen: Staten, storföretaget och samarbetet kring den svenska elkrafttekniken*, [The Mutual Development: The State, Big Industry and the Collaboration on Swedish Electric Power Technology] (Stockholm & Stehag: Symposium, 1999), 264 pp.

Awarded the Nils-Eric Svensson Fund Fellowship by the Bank of Sweden Tercentenary Foundation & Swedish National Council for Cultural Affairs publishing grant for Academic Literature for "promoting quality and diversity in book publishing".

Universitetets värden: Bidrag till den forskningspolitiska debatten [Values of the University: Contributions to the Science Policy Debate], Mats Fridlund & Ulf Sandström, eds. (Stockholm: SNS Förlag, 2000), 165 pp.

Terrorism and Political Violence in the Nordic Countries: A Special Issue, Leena Malkki, Mats Fridlund & Daniel Sallaama, eds. *Terrorism & Political Violence* 30 (published online 2018), 120pp.

Digital and Distant Readings of History: Emergent Approaches in the New Digital History, Mats Fridlund, Mila Oiva, & Petri Paju, eds. (Helsinki: Helsinki University Press, accepted book proposal, fc2019).

Other publications

1. "Historiska föremål på KTH från plasmafysikens tidiga utveckling, 1940 - ca 1970" [Historical Artifacts at KTH from the Early Era of Plasma Physics, 1940-ca.1970], *Rapport i forskningsprojektet Fysikerna och deras verktyg* (Stockholm: KTH, 1989), 69 pp.
 2. "Preserved Objects in the History of Plasma Physics in Sweden", *Uppsala Newsletter: History of Science* (1990), No. 13, 3-4.
 - (3.) "Preserved Objects in the History of Plasma Physics in Sweden", *Artifactory: Technology Museums Special Interest Group Newsletter* 12 (1990), No. 2, 4-5. (Reprint of no 2)
- 4-10. Biographical articles:
- Nationalencyklopedin*, Kari Marklund, ed., (Höganäs, 1990-91)
- "Chamberlain, Owen", bd 4, 75.
 - "Clebsch, Alfred", bd 4, 174.
 - "Debye, Peter J.W.", bd 4, 458.
 - "Doppler, Christian", bd 5, 98.
 - "Enskog, David", bd 5, 531.
- Nobelpristagare 1901-1991*, Hans Sundström, ed., (Höganäs, 1991)
- "Chamberlain, Owen", 39. (rev. version of no 4)
 - "Debye, Petrus (Peter)", 80. (rev. version of no 6)
11. "Study of p+ Gated MOS Structures Manufactured with Molecular Layer Doping of Boron", *TRITA-FYS 6122* (Stockholm: KTH, 1992), 100 pp.
 - (12.) "Ett kraftfullt utvecklingspar: Aseas och Vattenfalls FoU samarbete kring elkraftteknologi 1910-1970", *Working Papers from the Department of History of Science and Technology* 93/5 (Stockholm: KTH, 1993), 130 pp. (Preliminary version of no. 19)
 13. "Utvecklingspar i svensk teknikhistoria: Asea-Vattenfalls utveckling av elkraftteknologi", [Development Pairs in Swedish History of Technology: Asea and the State Power Board's Development of Electric Power Technology]", in: *Teknikhistoriska dagar: Extended abstracts* (Stockholm: Svenska Nationalkommittén för Teknikhistoria, 1993), 45-49.
 - 14.~ "The Teaching of History of Technology in Japan: A Survey in 1990", *Working Papers from the Dept. of History of Science and Technology* 93/7 (Stockholm: KTH, 1993), 45 pp.
 - 15.*~ "International Acclaim and Swedish Obscurity: The Fall and Rise of David Enskog", in: Svante Lindqvist, ed., *Center on the Periphery: Historical Aspects of 20th-Century Swedish Physics*, (Canton: Science History Publications, 1993), 238-268.
 - 16.~ "The 'Development Pair' as a Link between System Growth and Industrial Innovation: Cooperation between the Swedish State Power Board and the ASEA Company", *Working Papers from the Dept. of History of Science and Technology* 93/9 (Stockholm: KTH, 1993), 21 pp.
 17. "'En specifikt svensk virtuoskonst': Empiriska och teoretiska perspektiv på utvecklingsparet Asea-Vattenfalls historia" [A specifically Swedish act of virtuosity': Empirical and theoretical perspectives on the history of the development pair Asea-Vattenfall], *Polhem: Tidskrift för teknikhistoria* 12 (1994):2, 106-131.
 18. "Visioner om nationell kraft och utveckling: Industrinationalism och ingenjörskultur speglad i 1900-talets svenska vattenkraftsutbyggnad" [Visions of national power and development: Industrial nationalism and engineering culture reflected in the 20th century Swedish hydro power build-out], in: *Teknikhistoriska dagar: Extended abstracts* (Stockholm: Svenska National-kommittén för Teknikhistoria, 1995), 32-34.
 19. "Ett svenskt utvecklingspar i elkraft: Aseas och Vattenfalls FoU-samarbete, 1910-1980", [A Swedish Development Pair in Electric Power: Asea and Vattenfall's Development Cooperation

- around Electric Power Technology, 1910-1980], *BI Forskningscenteret forskningsrapport 1995/2 & Senter for elektrisitetsstudier 1995/312/7* (Oslo: Handelshøyskolen BI, 1995), 139 pp.
20. Recension av Staffan Hansson, *Porjus: En vision för industriell utveckling i övre Norrland*. Diss. (Luleå, 1994), *Lychnos: Årsbok för idéhistoria och vetenskaps-historia* (1995), 306-307.
- (21.) Bengt-Arne Vedin, ed., *Informationstekniken nu, då, sedan: Rapport från ett seminarium*, Via Teldok 25 & Tekniska Museet Rapport 4 (Stockholm, 1995), 96 pp. (scribe)
- 22.~ (with Helmut Maier) "The Second Battle of the Currents: A Comparative Study of Engineering Nationalism in German and Swedish Electric Power, 1921-1961", *Working Papers from the Dept. of History of Science and Technology* 96/2 (Stockholm: KTH, 1996), 19 pp.
- (23.) "De nationalistiska systemen: En studie av svensk teknisk och nationalistisk omvandling, 1897-1914", in: *Stora tekniska system: Kurskompendium* (Stockholm: Avdelningen för teknik- och vetenskapshistoria, KTH, 1996), 22 pp. (Preliminary version av no. 28)
24. "Nationsbyggandets verktyg: Teknisk förändring i nationalismens teori och praktik" [The tools of nation-building: Technological change in the theory and practice of nationalisms], in: Bo Lindberg, ed., *Nationalism: En kursredovisning från Avdelningen för idéhistoria vid Stockholms universitet*, *Idéhistoriska uppsatser* 31 (Stockholm: Stockholm University, 1997), 82-94.
25. "Teknikens konstruktion av nationen: Svensk nationalism och industrialisering kring sekelskiftet 1900" [Technology's construction of the nation: Swedish nationalism and industrialization at the turn of the century 1900], in: Brita Brenna & Karen Marie Fjeldstad, eds., *Kollektive identiteter, ting og betydninger*, TMV skriftserie Nr. 24/1997 (Oslo: Pensumtjeneste, 1997), 123-142.
- (26.) "The 'Development Pair' as a Link between System Growth and Industrial Innovation: Cooperation between the Swedish State Power Board and the ASEA Company", in: Arne Kaijser et al., *Kan stora tekniska system vara sociala? MTS-dagarna 30-31 mars 1998* (Stockholm: Avdelningen för teknik- och vetenskapshistoria, KTH, 1998), 21 pp. (Reprint of no. 16)
27. "Är det här också teknik? Några bidrag till teknikens mentalitetshistoria" [Is this also technology? Some contributions to the history of mentality of technology], in: Marika Hedin & Ulf Larsson, eds., *Teknikens landskap: En teknikhistorisk antologi tillägnad Svante Lindqvist* (Stockholm: Atlantis, 1998), 23-40.
- 28.* "De nationalistiska systemen: Konstruktion av teknik och svenskhet kring sekelskiftet 1900" [The nationalistic systems: Construction of technology and Swedishness around the turn of the century 1900], in: Pär Blomkvist & Arne Kaijser, eds., *Den konstruerade världen: Tekniska system i historiskt perspektiv* (Stockholm & Stehag: Symposium, 1998), 77-103.
- (29.) "Switching Relations: The Government Development Procurement of a Swedish Computerized Electronic Telephone Switching Technology", A Research Report to the European Commission in the Targeted Socio-Economic Research (TSER) program under 4th Framework Program, *Tema-T Arbetsnotat* 191 (Linköping: Linköpings Universitet, 1998), 58 pp. (Report version of no 31)
- (30.) "Shaping the Tools of Competitive Power: Government Technology Procurement in the Making of the HVDC Technology", A Research Report to the European Commission in the Targeted Socio-Economic Research (TSER) program under 4th Framework Program, *Tema-T Arbetsnotat* 192 (Linköping: Linköpings Universitet, 1998), 47 pp. (Report version of 32)
31. "Switching Relations: The Government Development Procurement of a Swedish Computerized Electronic Telephone Switching Technology", på: Charles Edquist & François Texier, eds., *Innovation Systems and European Integration*, CD-ROM (Linköping: Linköpings universitet, 1998).
32. "Shaping the Tools of Competitive Power: Government Technology Procurement in the Making of the HVDC Technology", på: Charles Edquist & François Texier, eds. *Innovation Systems and European Integration (ISE)*, CD-ROM (Linköping: Linköpings universitet, 1998).
- 33.~ (with Serge Paquier) "The Making of Small Industrial Giants: The Growth of the Swedish ASEA and the Swiss BBC through Crises and Challenges Prior to 1914", in: Timo Myllyntaus, ed.,

Economic Crises and Restructuring in History: Experiences of Small Countries (St. Katharinen: Scripta Mercaturae Verlag, 1998), 237–264.

34. "Schumpeters tvillingar: Utvecklingsblock och sociotekniska system i studiet av industriell förändring" [Schumpeter's twins: Development blocks and sociotechnical systems in the study of industrial change], *Polhem: Tidskrift för teknikhistoria* 16 (1998):1, 27–47.
- 35.~ "Procuring Products and Power: Developing International Competitiveness in Swedish Electrotechnology and Electric Power", in: Charles Edquist, Leif Hommen & Lena Tsipouri, eds., *Public Technology Procurement and Innovation*, Economics of Science, Technology and Innovation v. 16 (Norwell, Mass.: Kluwer Academic Publishers, 2000), 99–120.
- 36.~ "Switching Relations and Trajectories: The Development Procurement of the Swedish AXE Switching Technology", in: Charles Edquist, Leif Hommen & Lena Tsipouri, eds., *Public Technology Procurement and Innovation*, Economics of Science, Technology and Innovation v. 16 (Norwell, Mass.: Kluwer Academic Publishers, 2000), 143–165.
37. "The Tough Love of Development Pairs: Connecting Demand of the State and the Supply of Industry through Cooperative R&D in Swedish Electric Power Technology", in: José Manoel Carvalho de Mello & Henry Etzkowitz, eds., *Rio 2000 Third Triple Helix International Conference: Book of Abstracts* (Rio de Janeiro: Rio de Janeiro Federal University, 2000), 242–245.
38. (with Ulf Sandström) "Förord" [Preface], in: Mats Fridlund & Ulf Sandström, eds., *Universitetets värden: Bidrag till den forskningspolitiska debatten* (Stockholm: SNS Förlag, 2000), 7-11.

39-50. Electronic articles:

The Ericsson Files: 125 Years of Ericsson History on one DVD, DVD (Stockholm: Telefon AB LM Ericsson & Center for Business History in Stockholm, 2001):

- "Henric Öller and Öller & Co/ Henric Öller and Öller & Co"
- "AKE – an important electronic cul-de sac / AKE – en viktig elektronisk återvändsgränd"
- "Development of the AXE system / Utvecklingen av AXE-systemet"
- "Ellemtel and the Development of the AXE system / Ellemtel och utvecklingen av AXE-systemet"
- (with Claes-Fredrik Helgesson) "Informal Contact Networks / Informella kontaktnätverk"
- (with Claes-Fredrik Helgesson) "The Development Pair LM Ericsson – Swedish Telecom / Utvecklingsparet LM Ericsson – Televerket"

51. "Texting 'bout a revolution", Review of Jon Agar, *Constant Touch: A Global History of the Mobile Phone* (Icon, 1999), *New Scientist* 178 (26 April 2003), 52.

- 52.* (with Claes-Fredrik Helgesson) "Om att hålla sig till saken: Den industriella artefakten som interaktivt lokus", [To stick with the thing: The industrial artifact as interactive locus], in: Sven Widmalm, ed., *Artefakter: Industrin, vetenskapen och de tekniska nätverken* (Hedemora: Gidlunds, 2004), 289-314.

(53-63.) Online articles (Later versions of no. 39-50):

The History of Ericsson (Center for Business History in Stockholm & Telefonaktiebolaget LM Ericsson, 2007–), www.ericssonhistory.com:

- "Lars Magnus Ericsson goes into business"
- "Henric Öller launches pioneering enterprise"
- "Development of the AXE system"
- "AKE – an electronic dead end"
- "From AKE to AXE"
- "Ellemtel develops the AXE system"
- (with Claes-Fredrik Helgesson) "Ericsson and Swedish PTT: partners in development"
- (with Claes-Fredrik Helgesson) "The informal contact networks"

Företagskällan (Centrum för näringslivshistoria, 2015–), www.foretagskallan.se:

- "Ellemtel utvecklar AXE-systemet"
- (with Claes-Fredrik Helgesson) "Utvecklingsparet Ericsson – Televerket"
- (with Claes-Fredrik Helgesson) "De informella kontaktnätverken"

- 64.* "Innovatörernas reträtt", [Retreat of the Innovators] in: Per Högselius & Arne Kaijser, *När folkhemselen blev internationell: Elavregleringen i historiskt perspektiv* [When the Folkhome electric power became international: The deregulation of electric power in historical perspective] (Stockholm: SNS Förlag, 2007), 260-289, 328-329.
65. "Helvetesmaskinerna: Terrorismens teknologi från giljotinen till videokameran" [The infernal machines: The technology of terrorism from the guillotine to the camcorder], in: *Terror-ism*, Per Vingaard Klüver, Helle Møller, Espen Kirkegaard Espensen, & Anne Sørensen, eds., *Den jyske Historiker* (2007):115, 127-151.
66. "How We Learned to Live With the Bombs: Mentalities and Materialities of Urban Terrormindedness", e-publication on: *Looking Back, Looking Beyond: The Fiftieth Anniversary of the Society for the History of Technology*, "National Science Foundation Workshop", fiftieth.shotnews.net/nsfworkshop/fridlund.pdf, October 2007, 24 pp.
- (67.) "Cities in Panic!? Towards New Histories of Terror and the Security and Power of Mundane Things", *CAST Papers* 2008:1 (Dept of Political Science, University of Copenhagen, 2008), 23 pp. (Early version of 69)
68. Review of Mike Davis, *Buda's Wagon: A Brief History of the Car Bomb* (Verso, 2007), *Technology & Culture* 50 (2009), 242-243.
69. (with Gustaf Nelhans) "Terrorens ingeniørkunst: Teknik og videnskab efter 11. september", in Malene Fenger-Grøndahl, ed., *11. september: Verdens tilstand ti år efter* (Aarhus & Köpenhamn: Aarhus Universitetsforlag, 2011), 263-279.
70. (with Gustaf Nelhans) "Science and 'The 9/11-Effect': The Mutual Shaping of Terrorism, National Security, and Scientific Research During the Last Ten Years", *Science Progress* (Washington DC: Center for American Progress, 2011-09-11), www.scienceprogress.org/2011/09/science-and-the-the-911-effect/.
- 71.*~ "Buckets, Bollards and Bombs: Towards Subject Histories of Technologies and Terrors", *History and Technology* 27 (2011):4, 391-416.
72. (with Gustaf Nelhans) "Naturvetare i kriget mot terrorismen", *Tvärnsnitt: Tidskrift för humanistisk och samhällsvetenskaplig forskning* 33 (2011):3-4, 80-84.
- 73.* "Det nya gränsöverskridande våldet: Terroristen och den tidiga globaliseringen", in: Birgitta Svensson & Anna Walette, eds., *Individer i rörelse: Kulturhistoria i 1880-talets Sverige* (Göteborg: Makadam, 2012), 194-230.
- 74.*~ "Affording terrorism: Idealists and materialities in the emergence of modern terrorism," in: Max Taylor & P.M. Currie, eds., *Terrorism and Affordance* (London & New York: Continuum, 2012), 73-92.
75. "Engineering Terrorisms: Technological Ingenuity, Innovation, and Impact in Urban Terror, 1807-2011," e-publication on: *SHOT Prometheans (Engineering) SIG*, "2012 Workshop: Historical and Contemporary Studies of Disasters: Placing Chernobyl, 9/11, Katrina, Deepwater Horizon, Fukushima and Other Events in Historical and Comparative Perspective", shotprometheans.wordpress.com/workshops/2012-workshop/manuscripts/fridlund-engineering-terrorisms/, Sept 2012, 5 pp. (Online publication)
76. "Two new political and material histories of use," e-publication on: *SHOT Talk*, "President's Roundtable: Cultures of Use: Histories of Technology Beyond Invention and Innovation at 56th Annual Meeting of the Society for the History of Technology", Portland, MN, shot-talk.org/wp-content/uploads/2013/09/Fridlund_TwoNew.pdf, Oct 2013, 2 pp. (Online publication)
- 77.*~ (with René Brauer) "Historizing topic models: A distant reading of topic modeling texts within historical studies", in: LV Nikiforova & NV Nikiforova, eds., *Cultural Research in the Context of "Digital Humanities": Proceedings of International Conference 3-5 October 2013, St Petersburg* (St Petersburg: Herzen State Pedagogical University & Publishing House Asterion, 2013), 152-163.

78. Review of Gabrielle Hecht, ed. *Entangled Geographies: Empire and Technopolitics in the Global Cold War* (MIT Press, 2011), *Icon* 20 (2014):1, 173-174.
- 79.* "Motståndets materialitet: oppositionella ting, tekniker och kroppar under Finlands ofärdsår", in: Nina Wormbs, & Thomas Kaiserfeld, eds. *Med varm hand: Texter tillägnade Arne Kaijser*, (Stockholm: KTH Royal Institute of Technology, 2015), 53-84.
80. (with Daniel Sallamaa) "Radikale Mittel, gemäßigte Ziele: Repression und Widerstand im Großfürstentum Finnland", *Osteuropa* 66 (2016):4, 35-47.
81. (with Leena Malkki & Daniel Sallaama) "Terrorism and Political Violence in the Nordic Countries", *Terrorism & Political Violence* 30 (online 2018), 1-11.

E. RESEARCH PRESENTATIONS

Conference Presentations

- (with Petri Paju & Mila Oiva) "Facilitating Digital History in Finland: What can we learn from the past?," *3rd Digital Humanities in the Nordic Countries Conference (DHN 2018)*, Helsinki, March 8, 2018.
- "Trawling for Terrorisms: Using semiautomatic digital history methods to study terrorism's emergence, 1848-1914", *10th Annual Conference on 19th-Century Research*, Helsinki, Jan 26, 2018.
- (with Matti La Mela) "Cloudy sightings of Qing Things: A Digital History 1.5 Investigation of Finnish Representations of Imperial China's Technology and Industry", *2nd International Workshop on Nordic-Chinese Relations in History of Science, Technology and Industry*, Beijing, 7 Dec 2017. (invited keynote)
- "Humanities in the Education of Graduate Engineers: Requirements, Challenges & Possibilities", *6th Development Conference for Sweden's Education of Graduate Engineers*, Gothenburg, 22 Nov 2017.
- (with Matti La Mela) "Cloudy sightings of Chinese industrialization: GIS, Word clouds and the Finnish engineers' views on Chinese technology in the late nineteenth century", *Open licences, open content, open data: tools for developing digital humanities*, Tartu, 1 Nov 2017.
- "Digital History 1.5: Semi-automatic Research between Domesticated & Paradigmatic Digital History", *National Finnish Conference of History Research 2017*, Turku, 21 Oct 2017.
- "Digital Histories of Industrialization, Innovation and Beyond", *HELDIG Digital Humanities Summit 2017*, Helsinki, 18 Oct 2017.
- "Terrorisms before terrorism: Representing modes and meanings of rebel and regime extremist violence, 1848-1917", *Risks, roots and responses: Nordic conference on research on violent extremism*, Gothenburg, April 25, 2017.
- (with Petri Paju) "Mapping the Development of Digital History in Finland", *2nd Digital Humanities in the Nordic Countries Conference (DHN 2017)*, Gothenburg, March 14, 2017.
- "Terrormindedness: from fears of bombs from the air to from the streets", *Global/Transnational Perspectives on Civil Defense from the Cold War Era to the Present Day*, Zürich, March 9, 2017. (invited keynote)
- "The fall and rise of a peripheral physicist: A researcher's career from Swedish obscurity to international acclaim" *Research Seminar Pierre Bourdieu on Knowledge, Science & Power*, Tampere, Feb 17, 2017. (invited keynote)
- "Kroppar, krut & kjolar: Nymaterialistiska perspektiv på ofärdsårens politiska materialiteter", *9th Annual Conference on 19th-century research*, Jyväskylä, Jan 27, 2017.
- "Digital History 1.5: Conceptualizing near, liminal, semi-automatic or qualiquant digital history research", *Second Annual Digital History in Finland Conference*, arranged by Aalto University & University of Helsinki, Helsinki, 2 Dec 2016.
- "The imprint of terror: terrorism, political resistance and the sociomaterial affordances of 19th century media" at *MEVI2016 Finnish Conference for Media and Communications Research*, Helsinki, April 8, 2016.
- (with Petri Paju) "Historians digging in the text mine: Exploring blended close & distant reading of technical journals to understand Finnish history of industrialization, 1880-1910" at *1st Digital Humanities in the Nordic Countries Conference (DHN 2016)*, Oslo, March 16, 2016.

- (with Petri Paju) "History mining engineering journals: Exploring data mining to understand transnationalism of Finnish industrialization, 1880-1910" at *Digital History in Finland Conference*, Helsinki, Dec 9, 2015.
- (with Petri Paju) "History mining engineering journals: Exploring data mining to understand transnationalism of Finnish industrialization, 1880-1910" at *58th Annual Meeting of the Society for the History of Technology*, Albuquerque, Oct 8-11, 2015.
- "The mattering of globalization: The technopolitics of transnational terrorism during the Second Industrial Revolution", *7th Tensions of Europe Conference*, Stockholm, September 3-6 2015.
- (with Petri Paju) "History mining engineering journals: Exploring transnationalism of Finnish industrialization, 1880-1910", *Finnish Science & Technology Studies Symposium*, Helsinki, 9 June 2015.
- "Imagineered communities: Technonationalism in Swedish Electric Power", *2nd Nordic STS Conference*, Copenhagen, 29 May 2015.
- "Motståndets materialitet: oppositionella ting, tekniker och kroppar under Finlands ofärdsår", *History of Science and Technology Days*, Lund, 16 April 2015.
- "History of Technology for Engineering Students: Conditions, Challenges & Possibilities", *History of Science and Technology Days*, Lund, 15 April 2015. (invited keynote)
- "Enacting Terrorism: Terrorism as Material and Mental Forms of Urban Life", *17th Finnish Urban Studies Days*, Tampere, 11 May 2015. (invited keynote)
- (with Gustaf Nelhans) "Engineering the War on Terror: The 9/11-effect on engineering research, 1989-2013" at *57th Annual Meeting of the Society for the History of Technology*, Dearborn, Nov 15, 2014.
- (with René Brauer & Mirek Dymitrow) "The Digital Shaping of Humanities Research: The Emergence of Topic Modelling within Historical Studies" at *8th Annual Danish Association of STS (DASTS) Workshop*, Roskilde, 13 June 2014.
- "The Emergence of Digital Humanities Research: Crossdisciplinary and transnational reflections by a becoming digital historian" at *Memornet Summer School*, Tampere, 12 June 2014. (invited keynote)
- "Securitizing Things: Securitization Theory through the Material Turn" at *Translations of Security*, Copenhagen, May 21, 2014. (invited keynote)
- (with René Brauer) "Distant Reading Topic Modeling in Historical Research" at *First Digital Humanities Symposium*, Helsinki, 14 February 2014.

77 conference presentations 1993-2013 in Austria, Belgium, Brazil, Canada, Denmark, Finland, Germany, Greece, the Netherlands, Norway, Singapore, Sweden, Turkey, UK and USA.

- "Two New Material and Political Histories of Use" at *56th Annual Meeting of the Society for the History of Technology*, Portland, MN, Oct 11, 2013. (*President's Roundtable distinguished session*)
- (with René Brauer) "Historicizing Topic Models: A distant reading of topic modeling texts within historical studies," *International Conference on Cultural Research in the Context of Digital Humanities*, St Petersburg, 3 Oct 2013. (*participated in absentia*)
- "The Industrialization of Physics: Erkki Laurila and the industrializing and industrialized physics", *Academician Erkki Laurila Centennial Symposium*, Otaniemi, 20 Aug 2013. (invited keynote)
- "'To Gas Masks': Imagining and Prefiguring the Terror of the Next War," *Imagined Technologies, Expected Progressions: An Interdisciplinary Conference on Technology's Stories, Hopes, and (Broken) Promises*, Vadstena, 7 May 2013.
- "Buckets, bollards and bombs: Atomberedskapen i det långa och transnationella perspektivet", *Den Kolde Krigs Kulturarv*, Museum Langelandsfort, 19 april 2013. (invited keynote)
- "Kartläggarna 2.0: Mot en digitalhumanistisk studie av teknovetenskapernas tillväxt under det industriella genombrottets Sverige", *History of Technology and Science Days 2013*, Umeå, 22 March 2013.
- "Radicalizing Matter: Technopolitical Affordances of Transnational Terrorisms during Early Globalization," *2012 Annual Millennium Conference: Materialism and World Politics*, London, 21 October 2012.
- "Imprinting Terror: Kittler, terrorism and the affordances of printing technology," *Joint 2012 Annual Meeting of the Society for Social Studies of Science (4S) & 2012 Biennial Conference of the European Association for the Study of Science and Technology (EASST)*, Copenhagen, 19 October 2012.
- "Engineering Terrorisms: Technological Ingenuity, Innovation, and Impact in Urban Terror, 1807-2011," *SHOT Prometheans Virtual Conference on Historical and Contemporary Studies of Disasters*, 18-23 September 2012 & *SHOT Prometheans SIG, SHOT Asia Network & Teach 3.11 Workshop on Historical and Contemporary Studies of Disasters*, Copenhagen, 7 October 2012.

- "Radicalizing Technologies: Revolutionists and the Technopolitical Affordances of Printing Technology during the long 19th Century," 55th *Society for the History of Technology (SHOT) Annual Meeting*, Copenhagen, 5 October 2012.
- "Underground Sweden: Prefiguring and performing the terrorist in 19th century counter-culture," *Terrorism and the Literary Imagination: An International Symposium*, Uppsala, 8 September 2012.
- "Radicalizing Media: The Technopolitical Affordances, Agency and Effects of Media Technology", 6th *Annual Danish Association of STS (DASTS) Workshop*, Copenhagen, 30 May 2012.
- "Imprinting Terror: Underground Presses, Hectographs and 19th Century Print Terrorism", 2012 *Annual Meeting of the Danish Philosophical Society*, Roskilde, 3 March 2012.
- (with Gustaf Nelhans) "Securitizing Technoscience: The 9/11-effect on the Research Landscape", 2011 *Annual Meeting of the Society for Social Studies of Science (4S)*, Cleveland, 4 November 2011.
- "Security in a Box: Recovering Material and Discursive Phenomenologies of Forgotten Hopes and Fears", *The Sensuous Object Workshop: How We Experience Material Objects through our Senses*, Medical Museion, Copenhagen, 29 September 2011. (invited keynote)
- "Affording Terrorism: Material Agencies and Artifactualities in the Co-Shaping of Modern Terrorism," *Technology and Security: 17th International Biennial Conference of the Society for Philosophy and Technology (SPT)*, Denton, TX, 29 May 2011.
- (with Gustaf Nelhans) "Securitizing Sciences: Towards an Understanding of the 9/11-effect on the Research Landscape, 1990-2010", *Fifth Swedish STS Network Meeting*, Linköping, 23-24 March 2011.
- "The thingness of terrorisms: The artifacts, affordances and affects of the materialities of fear", 2011 *Annual Meeting of the Danish Philosophical Society*, Copenhagen, 5 March 2011.
- "Bullets, Bombs and Broadides: Sociotechnical Affordances in the Origin of Modern Terrorism", *Centre for the Study of Terrorism and Political Violence (CSTPV) Workshop on Affordance and Terrorism and Political Violence*, London, 2 Feb 2011. (invited keynote)
- "The Power of Things: Towards a Phenomenological History of Technology," 52nd *Society for the History of Technology (SHOT) Annual Meeting*, Tacoma, WA, 30 Sept- 3 Oct 2010.
- "Teaching Biosciences and Society with a Focus on Biosecurity", *International Alliance of Research Universities (IARU) Workshop: The Transforming Power of Global Education*, Singapore, 13 August 2010. (invited presentation)
- "The Terror of Things: The Materialities and Mentalities of Terrormindedness", 4th *Annual Danish Association of STS (DASTS) Workshop*, Copenhagen, 11 June 2010.
- "The Terror of Things: The Materialities and Mentalities of Terrormindedness, 1935-1944", *Third Annual Conference of the International Society for Cultural History (ICHS)*, Turku, 26-30 May 2010.
- "Affording Determinism: Material Agency and Artifactualities in the Shaping of Terrorism", *Fourth Swedish STS Network Meeting*, Uppsala, 19 Nov 2009.
- "Gunning at Determinism: Affordances, Agencies and Artifactualities in the Shaping of Terrorism", 51st *Society for the History of Technology (SHOT) Annual Meeting*, Pittsburgh, 18 Oct 2009.
- (with Louise Saabye Rasmussen) "Securitizing Bioterrorism: Mediating Bioterrorism in Danish Newspapers, 1994-2006", at: *Terror Studies in the Nordic Conference*, Copenhagen, 29 Sept 2009.
- "Terroriserande ting: Teknologins politiska möjligheter och makt på individuell och global nivå", Session: Historiens materialiteter, at *Dansk Historikermøde 2009*, Copenhagen, 21 Aug 2009.
- "New Women's Work, Women's New Terrorisms: The Material Practices of Female Terrorists during the First Wave of Modern Terrorism", at: *Women in the World of Violence: Wars, Revolutions, Terrorism and Extremism*, Södertörn, April 3, 2009.
- "Det resonabla våldet: Framtidstro, teknik och vetenskap i den 'terroristiska revolutionen'", 1880-tal: *Kulturhistoria i ett nytt samhälle : Kulturhistoria, samhällsdebatt och civilisationskritik i 1880-talets Sverige*, Lund, 26 Feb 2009. (invited presentation)
- "Security and Terror", *CAST Inaugural Conference*, Copenhagen, 12 Sept 2008. (invited presentation)
- "The Terror of the Word: Clandestine Print Culture in the Scientific and Technological Origins of Modern Terrorism", *The Culture of Print in Science, Technology, Engineering, and Medicine Conference*, Madison, 12 Sept 2008.
- "Acculturating Terrorism: Print Culture in the Origins of Modern Terrorism", at: *Orientations: Inaugural Conference of the International Society for Cultural History (ICHS)*, Ghent, Aug 30, 2008.
- "Terrorism of the Word: Insurrectionary Print Technologies and the Origins of Modern Terrorism", 35th *International Committee for the History of Technology (ICOHTEC) Symposium*, Victoria, 5 Aug 2008.

- "Smoking Guns: The Affordances and Posthumanism of the Civilian Firepower Revolution and the Technological Origins of Modern Terrorism, 1878-1914", *6th Joint Meeting of the British Society for the History of Science (BSHS), Canadian Society for the History and Philosophy of Science (CSHPS), & History of Science Society (HSS)*, Oxford, 5 July 2008.
- "Gunning for Determinism: The Role of the Affordances and Artifactualities of the Civilian Firepower Revolution in the Origins of Modern Terrorism", *2nd Annual Danish Association of STS (DASTS) Workshop*, Århus, 5 June 2008.
- "Coping with Risk-mindedness: Towards A Framework for the Cultural Analysis of the Managementalities of Man-Made Risks", *4th ESF/NATO Forward Look Initiative Workshop: Security - Advancing a Framework for Enquiries (SAFE)*, Istanbul, 22 May 2008. (invited paper)
- "The Affordances of Terrorism and the Missing Firepower Revolution", *History of Technology and Science Days*, Stockholm, 8 April 2008.
- "Domesticating Terrorism: Mentalities and Materialities of Urban Terrormindedness with an Emphasis on the Role of Surveillance Technologies", *First Danish Surveillance Studies Workshop*, Århus, 28 March 2008. (invited paper)
- "Turn, Turn, Turn, Turn and Beyond the Turns: States of the Art, Current and Future Research in History of Science", *PHIS Graduate Conference 2007*, Sandbjerg, 7 Dec 2007. (invited keynote)
- "Matter Matters: Thinking Historically with Things from Thing Tales to New Materialisms", *Telling the Past Now: Historiographies for the 21st century*, Århus, 23 Nov 2007. (invited keynote)
- "How We Learned to Live With the Bombs: Mentalities and Materialities of Urban Terrormindedness", *SHOT 50th Anniversary NSF Workshop*, Arlington, 18 October 2007. (invited paper)
- "Learning to Live with Terror: Domestication of Fear and Development of Terrormindedness during Regimes of Urban Terror", *Interrogating Terror Conference*, Brighton, 14 September 2007.
- "Engineering Terror: The Role of Engineers and Engineering in the Development of Modern Terrorism", *First Global Conference on Fear, Horror and Terror*, Oxford, 12 September 2007.
- (with Bernard Geoghegan) "Designing Terror by Air and Underground: The Postwar Construction of 'Leaflet Bombs'", *34th ICOHTEC Symposium*, Copenhagen, 16 August 2007.
- "Contesting Technology: Pseudotechnologies as Windows on Lost *Mentalités*", Session: Breaking new ground in the history of science and technology, *Varieties of Cultural History: Theory and Practice in the Cultural Histories of Medicine, Science, Literature, and the Arts*, Aberdeen, 7 July 2007.
- "Engineering Resistance: Corporate Luddism against Radical Innovation during the Third Industrial Revolution", *First Annual DASTS Workshop*, Copenhagen, 3 May 2007.
- "Establishing Terrormindedness: Domesticating Threats against Terror, Law and Order during Regimes of Terror, 1919-2011", *Establishing Power, Law and Order: Nordic Summer University Winter Symposium 2007*, Copenhagen, 11 March 2007.
- "Explosive Knowledge: The Democratization and Popularization of Science and the History of Terrorist Bomb-Making", *Annual Meeting of the Danish National Committee for the History and Philosophy of Science*, Copenhagen, 27 January 2007.
- "The Tools of Terror: Towards a History of Technology of Terrorism from the Guillotine to the Camcorder", *48th SHOT Annual Meeting*, Las Vegas, 13 Oct 2006.
- "The Contradictions of 'Corporate Luddism': Resistance to Radical Technological Innovation during the Third Industrial Revolution", *33rd ICOHTEC Symposium*, Leicester, 19 Aug 2006.
- "Of Books and Bombs: The Manualization and Materialization of the Scientific Knowledge of Terrorism", at: *Material Cultures and the Creation of Knowledge*, Edinburgh, 24 July 2005.
- "Resisting innovation: Radical technical and institutional change in electric power during the Third Industrial Revolution, 1987-2000", *46th SHOT Annual Meeting*, Amsterdam, 8 Oct 2004.
- "Engineering National Power: Techno-Nationalism in 20th Century Swedish Electric Power", *The National Identities of Engineers: Their Past and Present*, Syros, July 13 2004.
- "The French Connection: HVDC, IEE and the missing links in the history of electric power", *IEE History of Technology Professional Network Launch & Summer Meeting*, Birmingham, 5 July, 2002.
- "Humanities and Engineering at Imperial College", *American Society for Engineering Education (ASEE) Annual Conference & Exposition*, Montréal, 18 June, 2002.
- "Teaching the History of Technology at KTH, MIT and Imperial College", *Teknikhistoriska dagarna*, Norrköping, 18 April, 2002.
- (with Claes-Fredrik Helgesson) "Rewarping Seamless Webs: The Network Biographies of Artifacts", *Annual Meeting of Society for the Social Studies of Science (4S)*, Cambridge, 2 Nov 2001.

- "Switching in a National Relation: Public-Private Cooperation in Postwar Sweden", *IEEE Conference on the History of Telecommunications*, St John's Newfoundland, 26 July 2001
- (with Claes-Fredrik Helgesson) "Rewarping Seamless Webs: The Network Biographies of Industrial Artifacts", *42nd SHOT Annual Meeting & Jahrestagung der Gesellschaft der Technikgeschichte*, München, 16 August 2000.
- (with Claes-Fredrik Helgesson) "Rewarping the Seamless Web: The Variable Network of Two Industrial Artefacts", *Teknikhistoriska dagar 2000*, Stjarnsund, 30 May 2000.
- "The Tough Love of Development Pairs: Connecting the Demand of the State and the Supply of Industry", *3rd Triple Helix International Conference*, Rio de Janeiro, 27 April 2000.
- "Den sociotekniska ingenjörskonsten: Ett ramverk för att analysera utveckling, entreprenörskap och projektledning", *Nordisk workshop om industriell och teknisk förändring*, Kålmården, 25 Nov 1999.
- "Doktorerandets val och kval", *Nordisk workshop om industriell och teknisk förändring*, Kålmården, 24 Nov 1999.
- "Switching Relations: Government Development Procurement of an Electronic Computerized Switch", *4th Innovation Systems and European Integration (ISE) Workshop*, Vienna, 17 Sept 1997.
- "Shaping the Tools of Competitiveness: GTP and the Making of New Products and Power", *4th ISE Workshop*, Vienna, 17 Sept 1997.
- "Government Technology Procurement and the Making of HVDC Products and Power, 1919-1965", *3rd ISE Workshop*, Athens, 15 March 1997.
- "Government Development Procurement of a Swedish Electronic Computerized Switching System, 1955-1980", at: *3rd ISE Workshop*, Athens, 15 March 1997.
- "Teknikens konstruktion av det svenska: Industrinationalism i industriutställningar, företag och vattenkraftverk, 1897-1914", *Kollektive identiteter, ting og betydninger*, Oslo, 17 October 1996.
- "Powerful Links & Channels of Communication: User-Producer Relations in Swedish Electric Power and Telecommunication, 1910-1980", *Teknisk och industriell utveckling*, Wiik, 23 Nov 1995.
- "The Second Battle of the Currents: A Comparative Study of Engineering Nationalism in German and Swedish Electric Power", *4S & SHOT Joint Annual Meetings*, Charlottesville, 20 Oct 1995.
- "The 'Tough Love' of Joint Public-Private R&D: Importance of User-Producer Relationships in Development", *IEEE Professional History Conference*, Williamstown, 3 August 1995.
- "Att studera det enskilda via det allmänna: Ett utvecklings-samarbetes historia sett genom strukturer och kulturer", *Idé- och vetenskapshistorisk konferens*, Stockholm, 25 April 1995.
- "Visioner om nationell kraft och utveckling: Industrinationalism och ingenjörskultur speglad i 1900-talets svenska vattenkraftsutbyggnad", *Teknikhistoriska Dagar*, Lund, 20 April 1995.
- "De teknologiska utvecklingsparens dynamik: Långvariga relationer kring utvecklings-samarbeten inom infrastäm", *Vetenskapshistoriska dagar*, Stockholm, 28 Oct 1994.
- "Tekniska utvecklingspar - en länk mellan sociotekniska system och innovativa nätverk", *Teknisk och industriell utveckling*, Gothenburg, 19 November 1993.
- "The 'Development Pair', Industrial Innovation, and Systems Growth: Cooperation Between Asea and the State Power Board", *35th SHOT Annual Meeting*, Washington, D.C., 16 Oct 1993.

Invited Talks & Colloquia

- *Technology and Social Change Colloquium*, Linköping University, 18 April 2018.
- *ValueS Seminar*, Linköping University, 18 April 2018.
- *Child Studies Colloquium*, Linköping University, 17 April 2018.
- *School of History and Culture of Science Colloquium*, Shanghai Jiao Tong University, 19 Dec 2017.
- *Shanghai Library Institute of Scientific and Technological Information Seminar*, Shanghai, 19 Dec 2017.
- *Peking University Digital Humanities Team Seminar*, Peking University, 13 Dec 2017.
- *Institute of Advanced Studies in Humanities & Social Sciences Colloquium*, Nanjing University, 18 Dec 2017.
- *Digital Humanities Center Seminar*, Nanjing University, 15 Dec 2017.
- *Department of History of Science & Scientific Archaeology Seminar*, University of Science and Technology of China(USTC), Hefei, 14 Dec 2017.
- *Peking University Digital Humanities Team Seminar*, Peking University, 13 Dec 2017.
- *Helsinki Digital Humanities Research Seminar*, Helsinki Centre for Digital Humanities, 12 Oct 2017.
- *Summer Treats - New Projects in History of Science*, Max Planck Institute for the History of Science, Berlin, 22 June 2017.

- *The HumLab Seminar*, Umeå University, 18 May 2017.
- *The History of Science and Technology Seminar*, Chalmers Technical University, 10 May 2017.
- *Digital Resources and Services Colloquium*, University of Borås, 18 April 2017.
- *Center for Security Studies Colloquium*, ETH, Zürich, 8 March 2017.
- *Department of History Distinguished Speakers Series*, Auburn University, 6 October 2016.
- *Division of History of Science, Technology and Environment*, KTH, 26 Sept 2016.
- *Oxford University Museum of the History of Science*, Oxford, 23 May 2016.
- *The Knowscience Seminar*, Lund University, 20 April 2016.
- *Centre for Nordic Studies*, University of Helsinki, 14 April 2016.
- *The Consortium for Research on Terrorism and International Crime*, Norwegian Institute of International Affairs (NUPI), 18 March 2016.
- *Centre for Technology, Innovation and Culture (TIK)*, University of Oslo, 14 March 2016..
- *C-REX - Center for Research on Extremism*, University of Oslo, 14 March 2016.
- *Centre for Digital Humanities*, University of Gothenburg, 8 March 2016.
- *Karolinska Institute Unit for the Medical History and Heritage*, Stockholm, 2 March 2016.
- *The Swedish Historical Society*, Helsinki, 20 Oct 2015.
- *History of Technology Research Colloquium*, Technical University Berlin, 5 Jan 2015.
- *Department of History of Science & Scientific Archaeology*, University of Science and Technology of China (USTC), Hefei, 29 Nov 2014.
- *Institute for History of Science & Technology*, Inner Mongolia Normal University, Hohhot, 26 Nov 2014.
- *Institute for the History of Natural Sciences*, Chinese Academy of Sciences, 22 Nov 2014.
- *Institutue for Science, Technology & Social Development*, Harbin Normal University, China, 21 Nov 2014.
- *Eudaimonia Research Center*, University of Oulu, 21 October 2014.
- *Department of Strategic and Defence Studies* Finnish National Defence University, 16 May 2014.
- *Department of History and Social Science*, University of Tampere, 6 May 2014.
- *Knowledge, Science, Technology Research Seminar*, University of Tampere, 7 Feb 2014.
- *Department of History Research Colloquium*, Åbo Academy University, 21 Jan 2014.
- *The Capitalism, State and Society Seminar*, University of Helsinki, 25 Nov 2013.
- *Department of Cultural History*, University of Turku, 5 Nov 2013.
- *ETLA Seminars*, ETLA – The Research Institute of the Finnish Economy, Helsinki, 1 Nov 2013.
- *Department of History of Ideas and Learning*, Uppsala University, 24 Oct 2013.
- *Division of History of Science, Technology and Environment*, KTH, 21 Oct 2013.
- *Graduate Seminar of Economic and Social History*, University of Helsinki, 11 Sept 2013.
- *Centre for the History of Science, Technology & Medicine*, University of Manchester, 17 April 2013.
- *School of Library and Information Science Colloquium*, University of Borås, 12 Nov 2012.
- *Urban Safety and Societal Security Research Center (URBSEC)*, University of Gothenburg, 19 Sept 2012.
- *Centre for Technology, Innovation and Culture (TIK)*, University of Oslo, 29 Aug 2012.
- *Consortium for Research on Terrorism and International Crime*, Norwegian Institute of International Affairs (NUPI), 28 Aug 2012.
- *Forum for Civil Society and Social Movement Research & Gothenburg Centre of Globalization and Development*, University of Gothenburg, 8 May 2012.
- *Norwegian Museum of Science, Technology and Medicine*, Oslo, 27 April 2012.
- *Dept of Cultural Studies and Languages & Centre for Risk Management and Societal Safety (SEROS)*, University of Stavanger, 25 April 2012.
- *Dept of Social Sciences*, Luleå University of Technology, 19 April 2012.
- *Institute for Innovation and Entrepreneurship*, University of Gothenburg, 9 March 2012.
- *Research Policy Institute Colloquium*, Lund University, 16 February 2012.
- *The Media History Colloquium*, Lund University, 15 February 2012.
- *Danish Society for the History of Technology Annual Meeting*, Odense, 17 September 2011.
- *Department of History of Science and Technology*, KTH, Stockholm, 16 May 2011.
- *Nobel Museum Research Seminar*, The Nobel Museum, Stockholm, 19 April 2011.
- *Department of Literature, History of Ideas & Religion*, University of Gothenburg, 14 April 2011.
- *Centre for Advanced Security Theory*, University of Copenhagen, 13 March 2011.

- *Science and Technology Studies Workshop*, Roskilde University Center, 29 October 2010.
- *The Chalmers Seminar in ICT & Information Society*, Chalmers University of Technology, 24 May 2010.
- *Department of History of Science and Ideas*, Lund University, 21 May 2010.
- *School of Design*, The Glasgow School of Art, 15 April 2010.
- *Centre for the Study of Terrorism and Political Violence*, University of St Andrews, 13 April 2010.
- *Historical Studies Colloquium*, Malmö University, 23 Sept 2009.
- *Understanding Technology*, National Museums Scotland & University of Edinburgh, 17 Sept 2009.
- *Department of Economic and Social History & Centre for Business History in Scotland*, University of Glasgow, 17 Sept 2009.
- *Drexel Engineering Cities Initiative*, Drexel University, 21 May 2009.
- *Department of History of Science and Technology*, KTH, Stockholm, 17 Nov 2008.
- *The Danish National Research Network for Terrorism Studies*, Copenhagen, 30 Sept 2008.
- *Center for Contemporary History and Policy*, Philadelphia, 19 Sept 2008.
- *Beckman Center for the History of Chemistry*, Philadelphia, 16 Sept 2008.
- *Dept of History and Sociology of Science*, University of Pennsylvania, Philadelphia, 15 Oct 2008.
- *Network for Material Culture, Cognition and Nature*, Aarhus University, 25 March 2008.
- *Department of History*, Iowa State University, Ames, 7 Feb 2008.
- *Aarhus Network for Science, Technology, and Medicine Studies*, Aarhus University, 4 Feb 2008.
- *Medical Museion*, University of Copenhagen, 29 January 2008.
- *Centre for Business History*, Norwegian School of Management (BI), Oslo, 17 January 2008.
- *RIDE Seminar*, Chalmers University of Technology, Gothenburg, 13 April 2007.
- *Steno Institute*, Aarhus University, 13 November 2006.
- *Danish Society for the History of Science*, Copenhagen, 31 October 2006.
- *Danish Society for the History of Technology Annual Meeting*, Copenhagen, 6 September 2006.
- *Klopsteg Seminar in Science in Human Culture*, Northwestern University, 6 January 2006.
- *Institute for the Study of Science, Technology & Innovation (ISSTI)*, University of Edinburgh, 25 July 2005.
- *Program in the History of Science, Technology, Environment and Medicine*, Case Western, 12 April 2005.
- *Department of History of Science*, University of Wisconsin-Madison, 16 March 2005.
- *The Newberry Library Seminar on Technology, Politics and Culture*, Chicago, 26 January 2005.
- *Dept of Business Administration & Social Sciences*, Luleå University of Technology, 12 Nov 2004.
- *ONR Distinguished Lecture*, Office of Naval Research (ONR), Arlington, 27 October 2004.
- *Klopsteg Seminar in Science in Human Culture*, Northwestern University, 5 November 2004.
- *Centre for the History of Science, Technology and Medicine*, Imperial College London, 17 March 2004.
- *Committee on the Conceptual and Historical Studies of Science & Morris Fishbein Center for the History of Science and Medicine*, University of Chicago, 30 January 2004.
- *Science Studies Unit*, University of Edinburgh, 26 June 2003.
- *Department of History and Philosophy of Science*, University of Cambridge, UK, 15 March 2003.
- *Swedish Institute for Studies in Education and Research (SISTER)*, Stockholm, 14 May, 2002.
- *Committee for History of Technology and the Environment*, University of Virginia, Charlottesville, 10 September 2001.
- *Program in Science, Technology, and Society*, MIT, Cambridge, Mass., 30 April 2001.
- *Idé- och lärdoms-historiskt Symposium*, Gothenburg University, 24 March 2000.
- *Department of History of Science and Technology*, KTH, Stockholm, 6 March 2000.
- *CHSTM Postgraduate Workshop Seminar*, University of Manchester, 8 Feb 2000
- *Department of Technology and Society*, Chalmers University of Technology, 14 Feb 2000.
- *VTI-Seminar*, Uppsala University & KTH, Stockholm, 15 Nov 1999.
- *Systems of Innovation Research Program & Man, Information Technology, Society (MITS)*, Linköping University, 8 Nov 1999.
- *Seminar om infrasystem och hållbarhet i historiskt perspektiv*, FRN & KTH, Finnhamn, 26 Sept 1997.
- *The Enskog Heritage*, arranged by The Nobel Institute of Physics of the Royal Swedish Academy of Sciences & Department of Mechanics, KTH, Stockholm, 23 September 1997.
- *Centre for Economic History*, Norwegian School of Management (BI), Sandvika, 16 October, 1996.
- *Department of Technology and Social Change*. Linköping University, Linköping, 30 Nov 1995.

- *Office for the History of Science*, Uppsala University, 6 April 1995.
- *Centre de Sociologie de l'Innovation (CSI)*, Ecole des Mines, Paris, 7 July 1994.
- *Department of History and Sociology of Science*, University of Pennsylvania, Philadelphia, 22 Oct 1993.
- *Symposium Vetenskapliga instrument som historieberättare*, KVA, Stockholm, 20 September 1989.

G. TEACHING EXPERIENCE

Assessment of teaching proficiency

- *Graded "Very Good" (4 out of 5)*, Teaching Competence Evaluation Committee of Aalto School of Engineering, Aalto University, 2017.
- *Graded "Very Good" (4 out of 5)*, Teaching Demonstration for Tenure-Track Professorship in the History of Industrialization, Aalto University School of Engineering, 2012.
- *"An outstanding record in teaching at university level both in Sweden and abroad in areas that fit very well with a technical university"* Assessment Committee for Tenured Associate Professorship in History of Technology, Technical University of Denmark (DTU), 2005.

Pedagogic Education

- *Aalto-Tongji Pedagogical Collaboration*, 8 ECTS, Aalto University, 2014.
- *Teaching Portfolio*, 3 ECTS, Aalto University, 2014.
- *A! Peda Intro Course*, 3 ECTS, Aalto University, 2013.
- *HPE201 Supervision in Postgraduate Education*, 5 ECTS, University of Gothenburg, 2011.
- *Programme for PhD Supervisors*, Module 1 & 2, LearningLab DTU, DTU, 2006-07.
- *Education in University Teaching at DTU (UDtU)*, Module 1-3, LearningLab DTU, DTU, 2006/07.
- *PowerPoint in Teaching*, LearningLab DTU, DTU, 2007.
- *Core Workshops in Learning & Teaching for Probationary Staff*, Module A & B, Imperial College Center for Educational Development, Imperial College London, 2001/02.

Educational Leadership

- 2011-2013, *Coordinator of Studies for Theory of Science*, Department of Philosophy, Linguistics & Theory of Science, Faculty of Humanities, University of Gothenburg, Sweden.
- 2007-08, *Board of Directors*, The Danish Research Training Programme of Philosophy, History of Ideas and History of Science (PHIS)
- 1998-99, *Working Group for Migration, Minorities and Cultural Exchange*, Swedish Consortia for National Distance Education (KTH representative)

Courses Developed & Taught

Aalto university

- MEC-E9020 *Perspectives on Industrial & Technological Change* 3-6 ECTS, Aalto 2017/18
- MEC-E9110 *Introduction to History of Science, Technology & Innovation* 3-6 ECTS 2016/17, 17/18
- MEC-E9998 *De finska ofärdsårens teknik-, vetenskaps & mediahistoria, 1898-1905* 2014/15, 15/16 1-5 ECTS 16/17, 17/18
- MEC-E9998 *Science, Technology and Media in the History of Global Terrorism* 2014/15, 15/16 1-5 ECTS 17/18
- KON-0.4730 *The Cultural History of Technology (Aalto Course)* 3 ECTS 2013/14, 14/15, 15/16
- KON-0.4760 *Science, Technology, and Media of Terrorism & Security* 5 ECTS 2013/14, 14/15
- (PhD) KON-41.5000 *Research Scientist Basic Course P* 5 ECTS (Co-taught) 2013/14, 14/15, 15/16

Other universities

- (PhD) *History of Terrorism and Antiterrorism* 7.5 ECTS, Malmö University 2017/18
- (PhD) *Materialities, Thing Theories & Material Culture: Perspectives on the Material Turn* 5 ECTS, University of Gothenburg 2012/13
- *Theoretical and Historical Perspectives on Science* 5 ECTS, University of 2010/11, 11/12, 12/13

- Gothenburg, (Co-taught)
- *Science in Perspective*, School of Social Medicine, University of Gothenburg 2010/11
 - *Cultural History of Terrorism and Security since 1789*, University of Copenhagen 2010/11
 - *History of Technology*, DTU 2010/11
 - *History and Culture of Engineering*, DTU 2007/08
 - *History and Culture of the Natural Sciences*, Aarhus University 2007/08
 - (PhD) *How and Why to Care about Historiography*, Aarhus University 2007/08
 - (PhD) *The New Materialism in History of Science, Technology and, Medicine* 5 ECTS, Lund University 2006/07
 - *Science, Technology and Terrorism*, DTU 2006/07
 - *Technologies of Fear: Understanding the Mechanics of State and Terror*, Aarhus University (Course module) 2006/07
 - History 275, *History of Modern Sciences and Medicine*, Northwestern University 2004/05
 - History 325, *History of American Technology*, Northwestern University 2004/05, 05/06
 - History 392, *History of Political Terrorism*, Northwestern University 2005/06
 - Intl St/History 390, *Terrorism*, Northwestern University 2004/05, 05/06
 - Intl St/History 395, *Contexts of International Terrorism*, Northwestern University 2004/05, 05/06
 - Intl St/History 395, *Science and Technology of Terror*, Northwestern University 2005/06
 - (PhD) History 499 *History of Terrorism*, Northwestern University 2005/06
 - (PhD) History 499 *History and Sociology of Technology*, Northwestern University 2004/05
 - *Core Course: Introduction to the History of Science, Technology and Medicine*, University of London (Co- taught) 2001/02, 02/03
 - *Sciences in the Age of Industry 1750-1920*, University of London (Co- taught) 2002/03
 - *Science, Medicine and Technology in the Twentieth Century*, University of London 2001/02, 02/03
 - *History of Science*, Imperial College London 2002/03
 - *History of Technology*, Imperial College London 2001/02, 02/03
 - *Humanities Essay*, Imperial College London 2002/03
 - *Technical Development in Historical Perspective*, Stockholm School of Economics 1993/94, 94/95
 - *Introduction to History of Technology*, KTH 1992/93, 93/94
 - *International Summer Course in the History of Science and Technology*, KTH 1992/93

Invited International Guest Lectures

- China (PRC): *Harbin University* (2014), *University of Science and Technology of China* (2014, 2017)
- Denmark: *Roskilde University* (2013, 2014, 2015, 2018)
- Germany: *Technical University Berlin* (2015)
- Sweden: *Chalmers University of Technology* (1998, 2000, 2017), *University of Gothenburg* (2013, 2014), *Linköping University* (2000), *Uppsala University* (1995, 1996), *Lund University* (1996)
- USA: *Brown University* (2013), *Whitman College* (2011)

Undergraduate Thesis Supervision

- Martin Schubert, *Debatten som förts i National Geographic om olje- och naturgasutvinning i Arktis*, BSc Thesis in Engineering (Espoo: Aalto University, 2018), ii+26 pp.
- Jami Kajander, *Allmänhetens inverkan på återuppbyggandet av Ground Zero i New York 2001-2014*, BSc Thesis in Engineering (Espoo: Aalto University, 2018), 32 pp.
- Annika Lehto, *Teknik som terrordskydd och terrorhot speglad genom tidskriften Tekniikka ja Talous, år 2000-2011*, BSc Thesis in Engineering (Espoo: Aalto University, 2017), 17+iv pp.
- Axel Bjurs, *Förändringar i New Yorks byggnormer efter 11-septemberattackerna [Changes in New York's building codes following the 11 September attacks]*, BSc Thesis in Engineering (Espoo: Aalto University, 2017), ii+24 pp.
- Michael Hirvonen, *How the events of 9/11 influenced aviation technology*, BSc Thesis in Engineering (Espoo: Aalto University, 2016), iii+20 pp.
- Oscar Lindfors, *En analys av Eric Tigerstedts patent inom det audiovisuella området, [An analysis of Eric Tigerstedt's patents within the audio-visual field]*, BSc Thesis in Engineering (Espoo: Aalto University,

2015), 33 pp.

- Louise Saabye Rasmussen, *Perceptions and Images of the Threat of Bioterrorism among Danish Media, Bio-professionals and Non Bio-professionals, 1994-2006*, BEng Thesis in Chemistry and Biotechnology (Lyngby: DTU, 2009), 124 pp.
- Andrew William Proksel, *Tightening the Web: Balancing Intellectual Property Rights in the Digital Age*, Senior Thesis in American Studies (Evanston, IL: Northwestern University, 2006), 42 pp.
- Gareth Gretton, *Decline, De-industrialisation and the British Economy*, Humanities Essay (London: Imperial College London, 2003), 57 pp.

H. GRADUATE STUDENT SUPERVISION & EXAMINATION

Graduate Student Supervision

MSc supervision:

- (Thesis Advisor) René Brauer, *Synthesizing Time Geography and Actor-Network Theory: An Ontological Discussion Combining Time Geography and Actor-Network Theory Concepts with Regard to Telepresence* (MSc Thesis in Geography, University of Gothenburg, 2012).
- (Thesis Advisor) Fredrik Janson, *Review of Peer Instruction and Tutorials: Survey and Comparison with the Traditional Method* (Masters Thesis in Education, University of Gothenburg, 2012).
- (Thesis Advisor) Andrew Cunningham, *Lock-in of the Plugs: The History of the Technological Lock-In of Mains Plugs in the USA and the UK*, (MSc Thesis in History of Science, Medicine and Technology, Imperial College London, 2003), 55 pp.
- (Thesis Advisor) David Rooney, *Better Light – Better Sight: The Science Museum and the War for Electric Lighting*, (MSc Thesis in History of Science, Medicine and Technology, Imperial College London, 2002), 47 pp. (Awarded distinction)
- (MSc course tutor) Elton Zack Welford, Imperial College London, 2002-03.
- (MSc course tutor) Waqar Zaidi, Imperial College London, 2002-03. (continued to PhD (2008) & Assist. Professorship (2013))

PhD dissertation supervision

- (Principal Advisor 2014–present) Saara Matala, "The Finlandization of Shipbuilding: The Transformation of Cold War Finnish Shipbuilding Industry", Aalto University, fc 2018.
- (Assistant Advisor 2011-16) Gustaf Nelhans, *Citeringens praktiker: Det vetenskapliga publicerandet som teori, metod och forskningspolitik*, University of Gothenburg.
- (Informal advisor):
 - Bernard Geoghegan, *The Cybernetic Apparatus: Media, Liberalism, and the Reform of the Human Sciences*, Northwestern University & Bauhaus-Universität Weimar (2012).
 - Waqar Zaidi, *Technology and the reconstruction of international relations: Liberal internationalist proposals for the internationalisation of aviation and the international control of atomic energy in Britain, USA and France, 1920-1950*, Imperial College London (2008).
 - Sergio Plata, *Language, text and image in applied mathematics (1930-1950): Language theory approach to the history of science*, Imperial College London (2006).

External PhD Dissertation Review

- (Mid-term review) Peter Bennesved (History of Science and Ideas), *Sheltered Society: The history of ideas of the bomb shelter*, Umeå University, 19 May 2017.
- (Mid-term review) Pascale Blyth (Planning and Transportation), *Self-Driven Finland: Accessibility and mobility in the era of self-driving cars*, Aalto University, 3 April 2017.
- (Mid-term review) Johan Gärdebo (History of Technology), *A sense for the environment: The rise of Swedish satellite observation, 1972-1998*, KTH Royal Institute of Technology, Sept 26, 2016.
- (First-year review) Connie Svabo (Space, Place, Mobility & Urban Studies), *Portable objects at the museum*, April 30, 2007.

PhD Dissertation Examination

- External Faculty Opponent:

- Petter Johansson (Industrial Engineering and Management), *A Silent Revolution: The Swedish Transition towards Heat Pumps, 1970–2015*, KTH Royal Institute of Technology, 10 Nov 2017.
- Elena Kochetkova (Economic and Social History) *The Soviet Forestry Industry in the 1950s and 1960s: A Project of Modernization and Technology Transfer from Finland*, University of Helsinki, 27 May 2017.
- Roine Viklund (History of Technology), *Riksgränsbanans elektrifiering: Stat och företag i samverkan 1910-1917*, Luleå University of Technology, 20 April 2012.
- Magnus Rodell (History of Science and Ideas), *Att gjuta en nation: Statyinvigningar och nationsformering i Sverige vid 1800-talets mitt*, Uppsala University, 5 April 2002.
- Dissertation Pre-Examiner:
 - Elena Kochetkova (Economic and Social History) *The Soviet Forestry Industry in the 1950s and 1960s: A Project of Modernization and Technology Transfer from Finland*, University of Helsinki, 2017.
 - Jürgen Poesche (Industrial Engineering and Management), *Legitimization of Science and Technology: From the French Pragmatic Sociology and the Annales School to Complex and Recursive Recombination*, Aalto University, 2014.
- Dissertation Examination Committee:
 - Max Rolfstam (Innovation Studies), *Public Procurement of Innovation*, Lund University, 13 June 2008.
- Chairman of Dissertation Examination:
 - Gustaf Nelhans (Theory of Science and Research), *Citeringens praktiker: Det vetenskapliga publicerandet som teori, metod och forskningspolitik*, University of Gothenburg, 27 September 2013.

F. SERVICE

Elected & appointed positions

- *Delegation of Foundation of Finland's Museum of Technology, 2015-17 (Finland's universities of technology representative)*
- *Research Advisory Board, Swedish National Museum of Science & Technology, 2016-present*
- *International Advisory Board, Center for History of Science, Royal Swedish Academy of Sciences (KVA), 2015-present*
- *Aalto University, Finland:*
 - *Aalto University Swedish Language Issues Committee, 2015-18.*
 - *Aalto University Research Ethics Committee (Vice-Chair 2016-17, Chair 2018), 2014–18.*
 - *Aalto School of Engineering Teaching Competence Assessment Committee (Vice-Chair), 2015-17*
 - *Aalto School of Engineering Undergraduate Student Academic Advisor, 2014–18.*
 - *Aalto School of Engineering Master Student Academic Advisor, 2017–18.*
 - *Aalto University Swedish Language Bachelor Seminar Responsibility Teacher, 2015-17*
- *Imperial College London, UK:*
 - *Assistant Warden for Montpellier Hall of Residence, 2001-03*
- *Society for the History of Technology (SHOT):*
 - *Executive Council, 2015-17*
 - *SHOT Mentor to Technology in Modern East Asia History Workshop, 2016, 2017*
 - *Exploring Diversity in Technology's History Conference Grant Committee, 2017, 2018*
 - *Leonardo da Vinci Medal Committee, 2006, 2015*
 - *Abbot Payson Usher Prize Committee (Chair 2015), 2014–16*
 - *IEEE Life Members Prize in Electrical History Committee, 2011*
 - *Nominating Committee (Chair 2006), 2004–06*
- *International Committee for History of Technology (ICOHTEC):*
 - *Executive Committee, 2007-09*
 - *Program Committee (Chair 2008), 2006-08*
 - *Nominating Committee, 2006-07*
- *The Institution of Electrical Engineers (IEE) Professional Network in History of Technology:*
 - *Executive Team 2002-05*
- *Journal Editorial Boards:*
 - *Human IT: Journal for Information Technology Studies as a Human Science, 2018-present*
 - *Fabrik & Bolig: det industrielle miljø i Norden, 2016-present*
 - *The International Journal for History of Engineering & Technology, 2008-present*

- *ICON: The Journal of the International Committee for the History of Technology*, 2012–16.
- *Editorial Advisory Board*, Science History Publications / USA, 2007-present
- *The Danish University Censor Corps for Political Science*, 2009-13
- *The Danish University Censor Corps for Physics*, For History and Theory of Science, 2008-10
- *Board of Directors*, The Danish Research Training Programme of Philosophy, History of Ideas and History of Science (PHIS), 2007-08
- *Working Group for Migration, Minorities and Cultural Exchange*, Swedish Consortia for National Distance Education, 1998-99, (KTH representative)

Scholarly Expert Review

External Expert Evaluator:

- Professorship in History with emphasis on History of the Finnish Society, School of Social Sciences & Humanities, University of Tampere, Finland, 2015.
- Adjunct Professorship (*Docent*) in Cultural History of Technology, Faculty of Humanities, University of Turku, Finland, 2015.
- Associate Professorship (*Docent*) & Senior Lectureship in History of Technology, Department of Technology Management & Economics, Chalmers University of Technology, Sweden, 2014.
- Assistant Professorship in Information Science focused on Surveillance Studies, Faculty of Humanities, Aarhus University, Denmark, 2010.

Peer-reviewer for scholarly journals:

- *Business History Review* (Harvard Business School)
- *Den jyske Historiker* (Aarhus University)
- *The Extractive Industries and Society* (Elsevier)
- *History and Technology* (Routledge)
- *History of Science* (Science History Publications)
- *Lychnos* (Swedish Association of History of Science and Ideas)
- *Nordicom-Information* (University of Gothenburg)
- *Polhem* (Swedish National Committee for the History of Science and Technology)
- *Perspectives on Terrorism* (Terrorism Research Initiative)
- *Review of International Studies* (Cambridge University Press)
- *Scandinavian Journal of History* (Taylor & Francis)
- *Slagmark* (Aarhus University)
- *Studies in Conflict & Terrorism* (Routledge)
- *Technology and Culture* (Johns Hopkins University Press)
- *Technology in Society* (Elsevier)
- *Terrorism and Political Violence* (Taylor & Francis)
- *Tidsskriftet Politik* (Association of Danish Lawyers and Economists)

Conference Paper Peer-Reviewer:

- *1st European Association for the Digital Humanities Congress (EADH 2018)*, Galway, 2018.
- *3rd Digital Humanities in the Nordic Countries Conference (DHN 2018)*, Helsinki, 2018.
- *2nd Digital Humanities in the Nordic Countries Conference (DHN 2017)*, Gothenburg, 2017.
- *1st Digital Humanities in the Nordic Countries Conference (DHN 2016)*, Oslo, 2016.
- *2016 European Forum for Studies of Policies for Research and Innovation (EU-SPRI) Annual Conference*, Lund, 2016.
- *2015 European Forum for Studies of Policies for Research and Innovation (EU-SPRI) Annual Conference*, Helsinki, 2015.

Project Grant Review Panel

The Panel for the Quality Based Redistribution of Funds Across Disciplines, Swedish Research Council (VR)
Appointed member of international review panel consisting of 9 senior researchers from international universities and research institutes tasked to collectively allocate through review and grading of

research project applications forwarded from VR's nine review panels in the humanities and social sciences.

- (2018: allocate some 70 million SEK among 36 project grant applications)
- 2017: allocated estimated 70 million SEK to 20 project grant applications
- 2016: allocated estimated 55 million SEK to 12 project grant applications.

Project Grant Reviewer:

The Leverhulme Trust, United Kingdom:

- Research Project Grant (2015)

Technische Universität Berlin, Germany:

- International Post-Doc Initiative (IPODI) Fellowship (2015)

Foundation for Baltic and East European Studies, Sweden:

- Research Project Grant (2013)

Research Foundation Flanders (FWO), Belgium:

- Research Project Grant (2011, 2013)
- Postdoctoral Fellowship Renewal (2011)

Humanities in the European Research Area (HERA), European Science Foundation (ESF) & 21 European Humanities Research Councils:

- HERA Joint Research Programme (2012)

Bank of Sweden Tercentenary Foundation (RJ), Sweden:

- Research Project Grant (2009)

The Economic and Social Research Council (ESRC), United Kingdom:

- Professorial Fellowship Award (2007)
- End of Award Report (2002)

Swedish Research Council (VR), Sweden:

- National Postdoctoral Position Grant (2005)
- International Postdoctoral Fellowship (2005)
- Junior Researcher Position (2005)

Commentator on conference sessions:

- "Tracing Tracks: Monitoring Flows in Logistics Environments", 60th Annual Meeting of the Society for the History of Technology, Philadelphia, October 27, 2017.
- "Works in Progress", Third Annual Technology in Modern East Asia Workshop, Needham Research Institute, Cambridge, May 19-20, 2017. (Official Society for the History of Technology mentor)
- "Works in Progress", Tensions of Europe Early Career Scholars Workshop, Porto, Aug 1, 2016. (online distance commentator)
- "Works in Progress", SHOT Graduate Student Workshop, 59th Annual Meeting of the Society for the History of Technology, Singapore, June 24, 2016. (Official Society for the History of Technology mentor)
- "Works in Progress", Second Annual Technology in Modern East Asia Workshop, Needham Research Institute, Cambridge, May 19-20, 2016. (Official SHOT representative)
- "Works in Progress Workshop", First Annual Conference of the Doctoral Programme in Political, Societal and Regional Change, University of Helsinki, Helsinki, Dec 12, 2014
- "Of Black Boxes, Dispositifs and Security," 2012 Annual Millennium Conference: Materialism and World Politics, London School of Economics, Oct 20, 2012
- "Technology and Subjectivity: Approaches toward Understanding the Psychology of Technological Change", 53rd Annual Meeting of the Society for the History of Technology, Cleveland, Nov 5, 2011.
- "Security at the Border" at "Lines in the Sand": Spaces of Security in Critical Border Studies?, Copenhagen, June 4, 2009.
- "Technology Reincarnated", 50th Annual Meeting of the Society for the History of Technology, Lisbon, Oct 12, 2008.
- "The Historianimation of Contemporary Technomedicoscience", History of Science and Technology Days, Stockholm, 8 April 2008.

- "(Post)Cold War Imaginaries? Satellites, Cell Phones and Nanotechnology", *49th Annual Meeting of the Society for the History of Technology*, Washington D.C., Oct 19, 2007.
- "Objects of Desire", *Science, Its Advocates and Adversaries: 17th Annual Conference of the Institute of Contemporary British History*, University of London, London, 8 July, 2003.
- "Wires, Pipes and Communities: Creating Infrastructures", *44th Annual Meeting of the Society for the History of Technology*, Toronto, Oct 18, 2002.
- "Works in Progress", *Teknikhistoriska dagarna*, Norrköping, 15 April 2002.
- Session at *3rd ISE Workshop* arranged by University of Athens & European Commission (DG XII), Athens, Greece, 13 March 1997.
- Symposia *Forskning og planlegging – To reiskapar i samfunnsbygging*, arranged by Senter for teknologi og samfunn, University of Trondheim, Trondheim, 3 May 1995.
- "Works in Progress" at: *Teknisk och industriell utveckling*, arranged by Chalmers Institute of Technology & Stockholm School of Economics, Gothenburg, 18 Nov 1993.

Academic Leadership, Initiatives & Organization

Conference Program Committees:

- *Second Annual Digital History in Finland Conference*, arranged by Aalto University & University of Helsinki, Helsinki, 2 Dec 2016. (Co-Chair)
- *2016 European Forum for Studies of Policies for Research and Innovation (EU-SPRI) Annual Conference*, arranged by Lund University, 7-10 June 2016. (Member of Scientific Committee)
- *First Annual Digital History in Finland Conference*, arranged by Aalto University, University of Helsinki, Helsinki, University of Turku, University of Tampere, Helsinki, 9 Dec 2015. (Member of Scientific Committee)
- *2015 European Forum for Studies of Policies for Research and Innovation (EU-SPRI) Annual Conference*, arranged by VTT Technical Research Center of Finland & Tekes, Helsinki, 10-12 June 2015. (Member of Scientific Committee)
- *From Schauman to Breivik: Terrorism, Political Violence and the Nordic Countries*, arranged by Aalto University, University of Helsinki & Finnish Ministry of the Interior, Helsinki, 16-17 June 2014. (Initiator & Co-Chair)
- *55th Society for the History of Technology (SHOT) Annual Meeting*, Copenhagen, 4-7 October 2012. (Member of Local Arrangements Committee)
- *Conference on Terror Studies in the Nordic Countries*, arranged by University of Copenhagen, Aarhus University & DIIS, Copenhagen, 28-29 Sept 2009. (Initiator & Co-Chair)
- *35th ICOHTEC Symposium: Crossing Borders in the History of Technology*, arranged by University of Victoria, Victoria, Canada, 5-10 August 2008. (Chair)
- *34th ICOHTEC Symposium: Fashioning Technology - Design from Imagination to Practice*, arranged by Technical University of Denmark (DTU) & Danish Society of Engineers (IDA), Copenhagen, 14-18 August 2007. (Member of Program Committee and Local Organizing Committee)
- *Nordisk workshop om industriell och teknisk förändring*, arranged by Linköping University, NUTEK & Bank of Sweden Tercentenary Foundation, Kålmården, 24-26 Nov 1999.
- *Teknikhistoriska dagar 1995*, arranged by Swedish National Committee for History of Technology, Lund Institute of Technology & Lund Business School, Lund University, 18-19 April 1995.

Conference sessions:

- *Panel discussion: "The Road from Uppsala: 25 years of SHOT's Internationalization"* at *60th Annual Meeting of the Society for the History of Technology*, Philadelphia, October 27, 2017. (Organizer with Francesca Bray, Edinburgh University)
- *"Old Wine in New Bottles? Resituating Historical Research within Digital History Methodologies"*, *4th National Finnish Conference on History Research*, Turku, October 21, 2017. (Organizer with Dr Petri Paju, Aalto University)
- *Panel discussion: "Technological humanities – old wine in new bottles or cutting edge humanities? Replies from neighbouring fields and engineering educators"*, *History of Science and Technology Days*, Norrköping, September 21 2017.
- *Panel discussion: "Digital Humanities in History of Science, Technology & Medicine"*, *History of Science and Technology Days*, Norrköping, September 20 2017. (invited conference panel)

- “*President’s Roundtable: Cultures of Use: Histories of Technology Beyond Invention and Innovation*” at 56th *Annual Meeting of the Society for the History of Technology*, Portland, MN, Oct 11, 2013. (Organizer with Arwen Mohun, University at Delaware)
- “*Technology and Subjectivity: Approaches toward Understanding the Psychology of Technological Change*” at 53rd *Annual Meeting of the Society for the History of Technology*, Cleveland, OH, Nov 3-6, 2011. (Organizer with David Hochfelder, University at Albany, SUNY & Susan Schmidt Horning, St Johns University)
- “*The New Effects of New Materialisms: Haptics, Affects and Affordances*”, *History of Technology and Science Days*, Stockholm, 8 April 2008.
- “*Doktorerandets val och kval – diskussion vid en paneldebatt*”, *Nordisk workshop om industriell och teknisk förändring*, Kålmården, 24 Nov 1999.
- “*Patriotic Technologies: Nationalistic aspects of Technological Change in 20th Century Germany and Sweden*”, *Society for the Social Studies of Science (4S) and Society for the History of Technology (SHOT) Joint Annual Meeting*, Charlottesville, VA, 20 Oct 1995.

Colloquia & reading group series:

- (Colloquium series) *Aalto Digital Humanities Wednesday Lunch Talks*, Aalto University, 2017–18. (Organizer with Dr Matti La Mela)
- (Colloquium series) *History of Industrialization & Innovation Colloquium*, Aalto University 2017–18. (Organizer with Dr Mila Oiva)
- (Symposia series & national research network) *Finnish Research Network on Terrorism and Political Protest* jointly arranged symposia series with University of Helsinki & Aalto University, 2015–18. (Organizer with Dr Leena Malkki, University of Helsinki)
- (Symposia series & national research network) *Digital Humanities Finland* jointly arranged symposia series with Aalto University & Brage Press Archive, 2013. (Organizer with Dr Jessica Parland-von Essen, Brage Press Archive)
- (Colloquium series) *New Waves: Emergent Perspectives in Nordic History of Industrialization & Innovation*, monthly symposia arranged with Aalto University, University of Helsinki & Finnish Economic History Association, 2014–15. (Organizer with Profs. Sakari Heikkinen & Niklas Jensen-Eriksen, University of Helsinki)
- (Reading symposia & national research network) *Towards Terrormindedness: Cross-Disciplinary Perspectives on Terrorism and Political Violence* jointly arranged monthly with Aarhus University; Danish Institute for International Studies (DIIS); Centre for Advanced Security Theory (CAST), University of Copenhagen & Polforsk – The Danish Political Science Research School in Copenhagen & Århus, 2008–2010. (Organizer with Dr Mikkel Thorup, AU)
- (Colloquium series) *New Materialisms in STM Studies*, Aarhus Network for Science Technology and Medicine Studies, Monthly Brown Bag Seminar Series, Aarhus University, 2008.
- (Reading symposia series) *Things, Tools and Touch: Exploring New Materialisms in Science, Technology and Medicine Studies*, jointly arranged monthly with Dept of the History of Ideas, Dept of Science Studies, Centre for STS-Studies, Aarhus Network for STM Studies & Research Network for Material Culture, Cognition and Nature at Aarhus University, in Århus, 2008.
- (Reading symposia series) *Towards a ‘New Materialism’? Exploring Artifactuality and Material Culture in History of Science, Technology and Medicine*, jointly arranged monthly with DTU; Danish National Museum of Science and Technology; Medical Museion, University of Copenhagen & Research Policy Institute, Lund University, in Copenhagen, Lund, Lyngby & Malmö, 2006/07.

Symposia & workshops:

- *Emergent Approaches in Finnish Digital History*, Aalto University, Espoo, 16-17 May 2018. (Organizer with Drs Mila Oiva & Petri Paju)
- *Fastlanes and Potholes on the Road to the Future of Digital History*, The House of Sciences, Helsinki, 2 June 2017. (Organizer with Drs Mila Oiva & Petri Paju)
- *Digital History in Finland – Possible Futures*, House of Sciences, Helsinki, 15 April 2016. (Organizer with Dr Petri Paju)
- *Towards Humane Engineers? The Challenges of the Humanities in Engineering Education*, Aalto University School of Engineering, Otaniemi, 12 Nov 2015.
- *Digital Humanities Finland Symposia*, Half-day workshops, National Library of Finland, Helsinki, April–May 2014. (Organizer with Dr Jessica Parland-von Essen, Brages Pressarkiv)

- *Text mining in the making*, 14 February 2014.
- *Becoming Digital Humanists 1.0*, 25 April 2014.
- *Spatial Digital Humanities*, 5 May 2014.
- *Digital humanities research beyond digitization: Contact meeting on research in digital humanities in Finland*, Aalto University, 29 November 2013. (Organizer with Dr Jessica Parland-von Essen, Brages Pressarkiv)
- *Systematizing and digitalizing Nordic policy studies: Emergent perspectives within Swedish and Finnish research*, Aalto University, 27 November 2013. (Organizer with Dr Hannes Toivanen)
- *Materialities, Thing Theories and Material Cultures: Multidisciplinary Research Perspectives on the Material Turn*, University of Gothenburg, 7 February 2013. (Organizer with Dr Olof Hallonsten)
- *Is there a material turn in research?*, panel-discussion, University of Gothenburg, 11 December 2012. (Organizer with Dr Olof Hallonsten)
- *VäSTSymposiet*, jointly arranged with STS-departments in Western Sweden, 19 April 2012.
- (CAST Inspirational Workshops) CAST, University of Copenhagen:
 - *Terrorens grænser: Når politisk vold ikke er terrorisme*, 3 March 2010.
 - *Terror of People, Terror of States: Perspectives on Security, Violence and Revolutions*, 25 March 2009. (Organizer with Dr Martin Holbraad)
 - *Jeg en sikker gård mig bygge vil: Sikkerhedens materielle udtryk i går, i dag og i morgen*, 28 Jan 2009.
- *Materialities of Security and Surveillance: Perspectives on Where and When Security Studies Meets STS*, arranged by CAST & Design of Organizational IT (DOIT), IT University of Copenhagen, Copenhagen, 15 December 2009. (Organizer with Dr Casper Bruun Jensen, ITU)
- *Beyond Radicalization: New Perspectives on Turns from Civic Dissent to Political Violence*, arranged by DIIS, Rehabilitation and Research Center for Torture Victims, CAST & Dept of Anthropology, University of Copenhagen, Copenhagen, 30 Sept 2009.
- *Symposia on the historical role of technology in the development of Swedish industry*, Royal Swedish Academy of Sciences (KVA), Stockholm, 9 November 2004.
- *Workshop on Actor-Network Theory in History and Policy Studies of Science and Technology*, University of Manchester, 25 Sept 2000. (Organizer with Dr Michael Keenan)
- *Workshop Pågående nordisk forskning inom IT-historia*, Stockholm School of Economics, 22 Nov 1997. (Organizer with Dr Anders Lundgren)
- *Workshop on Developing state and industry: Dynamics of 'embedded autonomy' in industrial change*, Stockholm School of Economics, 17 April 1996. (Organizer with Dr Claes-Fredrik Helgesson)
- *Workshop on modern history of technology*, KTH, 5 Sept 1995.
- *Workshop on historical perspectives on state support to technological development*, KTH, 6 April 1994.

Management experience

2013 – 2018, Head of History of Industrialization & Innovation (HIIVA) Group, Aalto School of Engineering, Aalto University, Finland.

2011 – 2013, Coordinator of Studies for Theory of Science, Department of Philosophy, Linguistics & Theory of Science, University of Gothenburg, Sweden.

2001 – 2003, Assistant Warden, Montpelier Hall of Residence, Imperial College London, UK.
Rectorial appointment as warden in residence at student hall in charge of social welfare, pastoral care and discipline of 78 resident undergraduates with amenities budget of £6.000 and a staff of six student subwardens.

1986 – 1987, Platoon Commander, (Sergeant) Chief of Staff Troop, Royal Swedish Air Force, Bråvalla Wing, Norrköping, Sweden.

I. SOCIETY IMPACT

Exhibitions

- *Den kraftfulla utvecklingen*, [The Powerful Development] at: "ENERGIA 1999 – Power House 11: A Focus on the Cultural Heritage of Industrial Society" arranged by Länsstyrelsen i Västmanland, City of Västerås & Industrihistoriskt Forum, Västerås, Sept-Oct 1999.
- *Des courants neutres aux W : La physique des Neutrinos au CERN, 1963-1983*, Microcosm: CERN Science

and Technology Expo, Geneva, 1991-97.

- *The Energy of Creation, Microcosm: CERN Science and Technology Expo, Geneva, 1991-97.*
- *From Cosmic Rays to Accelerators/Du rayonnement cosmique aux accélérateurs, Microcosm: CERN Science and Technology Expo, Geneva, 1991-97.*
- *Du rayonnement cosmique aux accélérateurs*, at: "l'Exposition MICROCOSM", Le Majestic Congress center, Chamonix, France, July 18-30 1991. (Invited guest exhibition)

Media contribution

In total more than 100 interviews, commentary and appearances on TV, radio, paper and online press in Finland, Sweden, Denmark, Norway, China & the USA.

Television

- *Yle Fem* (Yle - Finnish Public Broadcasting Company):
 - "TV-nytt 19.30", 7 Jan, 22 March 2016, 4 June, 18 August, 19 August 2017.
 - "TV-nytt 17.55", 19 August 2017.
 - "Obs debatt", 19 Nov 2015.
 - "Tolv ting om Finland", 27 Nov, 1 Dec 2017.
 - "Föredragsmaraton – 24 timmar live om Finland", 9 September 2017.
 - "Extra live Turku attack broadcast", 19 August 2017.
 - "Extra live Stockholm attack broadcast", 7 April 2017.
 - "Extra live Brussels attack broadcast", 22 March 2016.
- *TV Finland* (Yle - Finnish Public Broadcasting Company):
 - "Tolv ting om Finland", 27 Nov 2017.
- *TV4* (Swedish TV4 Broadcasting Corporation):
 - "TV4Nyheterna 10pm", 15 July 2016.
 - "TV4Nyheterna 7pm", 15 July 2016.
- *SVT Kunskapskanalen* (SVT - Swedish Public Service Television):
 - "UR Samtiden", 9 June, 11 Aug 2013.
- *Eagle Eye TV* (Auburn University Student News):
 - "Studio 1105", 12 Oct 2016.
- *CCTV* (China Central Television):
 - "Beijing News", 29 Nov 2001.

Broadcast radio

- *Yle Vega* (Yle - Finnish Public Broadcasting Company):
 - "Aktuellt 17", 22 March, 20 Dec 2016, 11 April, 23 May 2017, 24 April 2018.
 - "Yle Nyheter", 7 Jan, 18 Jan, 22 March, 15 July 2016, 23 May, 4 June, 18 Aug, 19 Aug 2017.
 - "Dokumenterat: Det politiska mordets anatomi", 14 January 2018.
 - "Vega Eftermiddag", 19 August 2017.
 - "Vega Lördag", 19 Aug 2017.
 - "Vega Söndag", 25 Sept 2016.
 - "Slaget efter tolv", 11 Dec 2015, 28 Sept 2016.
 - "A-xplock", 26 March 2016.
 - "Radiohuset", 22 March 2016.
 - "Föredragsmaraton – 24 timmar live om Finland", 9 September 2017.
 - "Extra live Turku terrorist attacks broadcast", 19 August 2017.
 - "Extra live Turku stabbing attacks broadcast", 18 August 2017.
 - "Extra live Paris terrorism attacks broadcast", 14 Nov 2015.
- *Yle X3M* (Yle - Finnish Public Broadcasting Company):
 - "X3M Fokus", 14 Nov 2017.
 - "Myteriet", 22 March, 13 June, 29 June, 15 July, 29 Aug 2016, 18 Aug 2017.
- *Ålands Radio* (Åland's Radio & TV AB):
 - "Åland idag", 21 August 2017.
- *Swedish Radio P1* (SR - Swedish Radio Corporation):
 - "Lunchekot", 18 August, 19 August 2017.
 - "Ekot", 18 August 2017.
 - "Studio Ett", 18 August 2017.
 - "P1-morgon", 15 July 2016.

- *Swedish Radio P4* (SR - Swedish Radio Corporation):
 - "P4 Extra", 15 July 2016, 7 April 2017.
- *DR Radio P1* (DR - Danish Public Broadcasting Corporation):
 - "Videnskabens Verden", 13 Sept 2011.
 - "Kulturkontoret", 1 May 2009.
- *Studentradioen* (Danish University Radio):
 - "Film magazine Nosferatu", 19 March 2009.
- *Radio Faroe Islands* (Kringvarp Føroya – Faroese National Broadcasting Corporation):
 - "Uthav - political affairs program", 22 Nov 2006.

Print & electronic news media

- *Aamulehti*, www.aamulehti.fi:
 - "Uhkakuvat muuttuvat pysyviksi" [Threat pictures become permanent], 13 Oct 2017, A25.
- *Finnish Broadcasting Company (Yle)*, www.svenska.yle.fi:
 - "Rättspsykiater vill inte tala om terrorism i Åbo: 'Vi vet inte tillräckligt'", 25 August 2017.
 - "Gör inte terrorn en tjänst – sluta sprida hat på nätet", 21 August 2017.
 - "Terrorforskare: Inte oväntat att knivdådet utreds som terroråd", 19 August 2017.
 - "Terrorforskare: Terroråd i Spanien inte oväntat", 18 August 2017.
 - "Terrorforskare hade inte väntat sig en ny attack så snabbt", 4 June 2017.
 - "Terrorforskare: Det här är normalläget i Storbritannien", 3 May 2017.
 - "Terrorforskare: Lastbilsattacken var omöjlig att förhindra" 15 July 2016.
 - "Terrorismforskare Mats Fridlund om terrorattackerna i Bryssel", 22 March 2016.
 - "Hanken President Karen Spens: the savings could be fatal", 18 Jan 2016.
 - "How many has to leave at the universities?", 18 January 2016.
 - "He is teaching terrorism to engineers", 7 January 2016.
 - "Has the terror threat come closer – this is how the experts reply", 11 December 2015.
- *Helsingin Sanomat*, www.hs.fi:
 - "Researcher: Threat of extreme terrorism in the Nordic countries is oversized", 17 June 2014.
- *Kainuun Sanomat*, www.kainuunsanomat.fi:
 - "Uhkakuvat muuttuvat pysyviksi", 13 Oct 2017.
- *Keskipohjanmaa*, www.keskipohjanmaa.fi,
 - "Uhkakuvat muuttuvat pysyviksi", 13 Oct 2017.
- *MTV*, www.mtv.fi/uutiset:
 - "Terrorismia tutkiva professori: Räjähdeliiviä käytettiin nyt ensi kertaa länsimaassa" [Terrorism research professor: explosive vest used for first time in a western country], 17 Nov 2015.
- *ThisisFINLAND*, www.finland.fi:
 - "Aalto's foreign lecturers learn Finnish", *thisisFINLAND*, 20 January 2014.
- *Ålands Radio/TV*, www.radiotv.ax:
 - "Strängare regler stoppar inte terrorism", 21 August 2017.
 - "Terrorforskare: 'Terroristerna vill att vi skall ta förhastade beslut'", 21 August 2017.
 - "Respekt mer än rädsla efter knivattacken i Åbo", 19 August 19 2017.
- *Dagens Nyheter.*, www.dn.se:
 - "Finländsk forskare: IS gör sig större än organisationen är", 19 August 2017.
 - "Ofta lång tid till pris", 15 October 1994.
- *Dagens Industri*, www.di.se:
 - "Terrorexpert: Annorlunda än tidigare dåd", 18 August 2017.
 - "Bakslag ger fler dåd", 16 July 2016.
- *Fjärde uppgiften*, fjardeuppgiften.se:
 - Pontus Herin, "Terrorismens drivkrafter", 19 December 2013.
- *Hallandsposten*, www.hallandsposten.se:
 - "Terror belystes från flera olika vinklar", 23 Aug 2017.
- *Omni*, www.omni.se:
 - "Terrorexpert: Annorlunda än tidigare bilburna dåd", *Omni, omni.se*, 18 Aug 2017.
- *Swedish Radio (SR)*, sverigesradio.se:
 - "Terrorforskare: De här personerna går under radarn", 18 Aug 2017.
- *Kristeligt Dagblad*, www.kristeligt-dagblad.dk:
 - "USA's største terrortrussel kommer indefra", 14 June 2016.
 - "Forsker: Terror kostede flere livet for 30 år siden", 23 March 2016.

- *Rogalands Avis*, www.dagsavisen.no/rogalandsavis:
 - "Teknikker for å leve med terror", 26 April 2012.
- *Stavanger Aftenblad*, www.aftenbladet.no:
 - "Diskuterte terrorens ettervirkninger", 27 April 2012.
 - "Stortinget skal ikke være en festning", 26 April 2012.
- *Berlingske Tidende*, www.b.dk:
 - "»I bedste fald er PET sjusket...«", 15 Feb 2009.
 - "Jagten på iranerne", 14 Feb 2009.
- *Computerworld*, www.computerworld.dk:
 - "Ekspert: Siemens-produkt ligner noget fra Hollywood", 14 Nov 2008.
- *My Daily Space*, mydaily.space:
 - "Ny trussel efter Bruxelles – frygt for atomterror", 31 March 2016.
- *Trendsonline*, www.trendsonline.dk:
 - "I frygten for terror spirer nye virksomheder: En af dem er Human Risks", 1 Sept 2016.
- *Eurozine Review*, eurozine.com:
 - "The violent closet?", 14 Sept 2016.
- *The Daily Caller*, www.dailycaller.com:
 - "Finland Charges Two Refugees With Terror Murder of 11", 11 Dec 2015.
- *The Daily Northwestern*, dailynorthwestern.com:
 - "Blended research explores terrorism's path", *The Daily Northwestern*, 29 March 2005.
- Sampsa Kaataja, "Mats Fridlund – teollistumisen historian professori", *Tekniikan Waiheita* (2014):3, 33-35.
- Niko Kettunen, "Tarnished reputation", *HS Teema* (21 Jan 2016):1, 62-69.
- Tove Stenqvist, "The Face of Terrorism: Acting Like a State," *Baltic Worlds* (October 2009):2, 19-21.
- Erland Einbu Wigenstad, "Who fears?", *Teknovatøren*, (November 2012):4, 38-39.

Signed op-eds:

- "Teknikens bansjukdomar och ålderskrämpor", *Affärsmagasinet Forum* (April 2018):4, 27.
- "Terror och teknik går hand i hand", *Affärsmagasinet Forum* (September 2017):8, 22.
- "Å lære seg å leve med terrorismen", *Stavanger Aftenblad*, 25 April 2012.
- "Tillbaka till framtiden", *KTH&Co*, 2010, no. 2.

Expert advisor

- Movie documentary: *Uno Lamm – en biografi*, director Ralf W. Löbel (PlayeMotion, in production).
- Museum exhibition: *Tekniikaan maa* [Land of technology], Technical Museum of Finland, 2017.
- Novel: Christian Unge, *Saharasyndromet* (Lind & Company Förlag, 2016), 373 pp.
- Television Drama Comedy Mini-Series: *Fröken Frimans krig II* (SVT Swedish Television, 2015).
- Television documentary: "Shock and Awe", *My Million Dollar Invention (Season 1 Episode 1)*, The Smithsonian Channel, 2015.
- Museum exhibition: *Det ska' bare virke: Under, over og bag ved de moderne bekvemmeligheder* [It Should Just Work: Beneath, Above and Behind the Modern Amenities] at: Danish Museum of Science and Technology, Elsinor, 2007.

Public Film Series

- *Terrorism on Film: From Algiers to Al-Qaida*, a film series arranged by Danish Film Institute (DFI) & CAST at: Cinemateket, Copenhagen, 1-30 April 2009. (Selection and presentation of 9 historically-based movies (21 showings) in collaboration with DFI Programme Director Jesper Andersen).

Public lectures

- *Hanaforum: Security*, Hanaholmen Swedish-Finnish Cultural Centre, 12 Sep 2017.
- *Lecture Marathon: 24h Live about Finland*, Swedish Literature Society, Svenska Teatern & Yle Finnish Broadcasting Company, Helsinki, 9 September 2017.
- *Friends of Swedish National Museum och Science and Technology Talk*, Stockholm, 6 September 2017.
- *Society's Security: Conversation about terror threats, defence and security*, Social Democrats Halland & Europe Direct Halland, Halmstad, 22 August 2017.

- *What is terrorism?*, Folkuniversitetet, Östersund, 4 May 2016.
- *Engineering Society in Finland (TFiF) History of Technology Group*, Helsinki, 23 March 2015.
- *Understanding Terrorism Past and Present*, The Society of International Affairs Växjö, 13 March 2015.
- *Aalto University Swedish Language Teachers' Meeting*, Teknologföreningen, 20 February 2015.
- *Material Histories of Learning to Live with Terrorism*, 2015 Science Forum, Helsinki, 11 January 2015.
- *Learning to Live with Terrorism*, Discussing World Politics, Helsinki, 11 September 2014.
- *Engineering terrorism*, Engineering Association of Denmark, Copenhagen, 27 Feb 2014.
- *Den moderna terrorismens historia: Politisk terror från anarkism till al-Qaida*, Open lecture series, Folkuniversitetet, Stockholm, Sept-Dec 2013.
 - *Terrorism som ny politisk taktik - den anarkistiska terrorvågen*, 12 sept 2013
 - *Terrorism som befrielsekamp - den antikoloniala terrorvågen*, 25 Oct 2013
 - *Terrorism under Kalla Kriget- den nya vänsterterrorvågen*, 14 Nov 2013
 - *Terrorism för högre syften - den religiösa terrorvågen*, 5 Dec 2013
- *Autumn Seminar*, Finland's History Students' Association, Helsinki, 16 Nov 2013.
- *Technology, Surveillance and Revolution*, (lecture & panel discussion), arranged by The International Science Festival Gothenburg, Gothenburg, 26 April 2013.
- *Odontologisk Riksstämman & Swedenatal 2012*, arranged by Swedish Dentists Against Nuclear Weapons, Gothenburg, 16 November 2012.
- *How will July 22nd effect us for better and for worse?*, (lecture & panel discussion), arranged by University of Stavanger & *Stavanger Aftenblad*, Stavanger, 26 April 2012.
- *Meet the Science*, (lecture & panel discussion), arranged by University of Copenhagen & *Politiken* daily newspaper, Copenhagen, 6 October 2010.
- *Kulturnatten*, (lecture & guided city walk), Copenhagen, 9 October 2009.
- *Annual Aarhus University History and Area Studies Student Meeting*, Århus, 25 April 2008.
- *FT-seminar*, Risø National Laboratory, Roskilde, 9 January 2007.
- *BIOSA – Biotech Students Association Evening on Bioterror*, Copenhagen, 7 December 2006.
- *State of Fear*, Aarhus Seminars in the History of Ideas, Århus, 6 October 2006.
- *Symposia on the historical role of technology in the development of Swedish industry*, Royal Swedish Academy of Sciences (KVA), 9 November 2004.
- *Ayers Residential College of Commerce and Industry*, Evanston, 3 November 2004.
- *Vattenfall Veteranförenings vårmöte*, Vattenfall, Räcksta, 14 May, 2002.
- *Science Society Meeting*, Haberdashers' Aske's Boys' School, Elstree, 7 March 2002.
- *Spring Meeting of NPU - Nätverk för produktutveckling*, Stockholm, 29 Feb 2000.
- *Seminarieserien Framtidstro*, Västmanlands Läns Museum, Västerås, 28 Nov 1999.
- *Vattenfalls jubileumsseminarium*, Trollhättan, 21 Oct 1999.
- *ABB Corporate Research*, Västerås, 17 December 1998.
- *Västerås Tekniska förenings 100-årsjubileum*, Västerås, 23 Oct 1998.
- *Västerbergslagens ingenjörsklubb*, Ludvika, 11 Nov. 1997.
- *ABB Corporate Research*, Västerås, 16 April 1997.
- *Elektriska klubben i Västerås*, Västerås, 11 September 1996.
- *EKC-seminariet*, Elkraftcentrum, Stockholm, 19 April 1996.
- *Japan: Land i förändring* arranged by ABF & Stockholm University, 16 April 1996.
- *Swedish Powernets Inc*, Stockholm, 24 January 1994.