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**MATS FRIDLUND PhD, MSc**

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**Citizenship:** Swedish

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**A. ACADEMIC EDUCATION & QUALIFICATIONS**

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

Doctoral thesis: *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]

Civilingenjör (*MSc in Engineering Physics*), KTH, Stockholm, Sweden, 1992.

Masters Thesis in Applied Physics: *Study of p<sup>+</sup> Gated MOS Structures Manufactured with Molecular Layer Doping of Boron*.

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 *History of Technology*, Technical University of Denmark (DTU), Denmark, 2005

**B. PROFESSIONAL EXPERIENCE**

2013 – Present, Associate Professor (Professor, nivå 1) of the History of Industrialization, Department of Engineering Design and Production, Aalto School of Engineering, Aalto University, Finland.

2011 – 2013, Senior Lecturer in Theory of Science, Department of Philosophy, Linguistics & Theory of Science, University of Gothenburg, Sweden.

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

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

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

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

2004 – 2006, Visiting Assistant Professor, Department of History & Programs in International Studies and Science in Human Culture, Northwestern University, USA.

2003 – 2004, Research Fellow, Department of History of Science and Technology, KTH, Sweden.

2001 – 2003, Lecturer in History of Science and Technology, Centre for the History of Science, Technology and Medicine (CHSTM), Imperial College London, University of London, UK.

2000 – 2001, Swedish Foundation for International Cooperation in Research and Higher Education 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, Centre for the History of Science, Technology and Medicine (CHSTM) & Policy Research in Engineering, Science, and Technology (PREST), University of Manchester, UK.

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

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

1993-99, Graduate Research Scholarship, Dept of History of Science and Technology, Royal Institute of Technology (KTH), 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*

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*

- 2011 – Present, 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 (CHOSTM), 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 Museum of Science & Engineering, 1994.
- *Torsten Althin Memorial Foundation Grant*, Friends of the National Swedish Museum of Science and Engineering, 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 National Swedish Museum of Science and Engineering, 1990.
- *School of Engineering Physics Internationalization Grant*, KTH, 1990.

## D. PUBLICATIONS

### Books

*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.

*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: Symposion, 1999), 264 pp.

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

### 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 Nationalkommittén 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 Forskningsenteret 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 nationalist systems: Construction of technology and Swedishness around the turn of the century 1900], in: Pär Blomqvist & Arne Kaijser, eds., *Den konstruerade världen: Tekniska system i historiskt perspektiv* (Stockholm & Stehag: Symposion, 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.

(39-44.) Electronic articles (Early versions of no. 47-54):

*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"
- "AKE – an important electronic cul-de sac"
- "Development of the AXE system"
- "Ellemtel and the Development of the AXE system"
- "Informal Contact Networks"
- "The Development Pair LM Ericsson – Swedish Telecom"

45. "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.

46. (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.

47-61. Online articles (in two versions):

*The Ericsson Files* (Center for Business History in Stockholm, 2005– ), [www.naringslivshistoria.se](http://www.naringslivshistoria.se)

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

- "Öller's protégé goes into business / Öllers elev startar eget"
- "Henric Öller launches pioneering enterprise / Henric Öller startar pionjärföretag"
- "Development of the AXE system / AXE-systemet utvecklas"
- "AKE – an electronic dead end / AKE – en betydelsefull återvändsgränd"
- "From AKE to AXE / Från AKE till AXE"
- "Ellemtel develops the AXE system"
- (with Claes-Fredrik Helgesson) "Ericsson and Televerket: Partners in development / Utvecklingsparet Ericsson–Televerket"
- (with Claes-Fredrik Helgesson) "The informal contact networks / De informella kontaktnätverken"

62. "Innovatörernas reträtt", [Retreat of the Innovators] in: Per Högselius & Arne Kaijser, *När folkhemsen 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.

63. "Helvetesmaskinerna: Terrorismens teknologi från giljotinen till videokameran" [The infernal machines: The technology of terrorism from the guillotine to the camcorder], in: *Terror-ismer*, Per Vingaard Klüver, Helle Møller, Espen Kirkegaard Espensen, & Anne Sørensen, eds., *Den jyske Historiker* (2007):115, 127-151.

64. "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](http://fiftieth.shotnews.net/nsfworkshop/fridlund.pdf), October 2007, 24 pp.

(65.) "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)

66. Review of Mike Davis, *Buda's Wagon: A Brief History of the Car Bomb* (Verso, 2007), *Technology & Culture* 50 (2009), 242-243.

67. (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.

68. (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/](http://www.scienceprogress.org/2011/09/science-and-the-the-911-effect/).

69. "Buckets, Bollards and Bombs: Towards Subject Histories of Technologies and Terrors", *History and Technology* 27 (2011):4, 391-416.

70. (with Gustaf Nelhans) "Naturvetare i kriget mot terrorismen", *Tvärslott: Tidskrift för humanistisk och samhällsvetenskaplig forskning* 33 (2011):3-4, 80-84.

71. "Det nya gränsöverskridande våldet: Terroristen och den tidiga globaliseringen", in: Birgitta Svensson & Anna Wallette, eds., *Individer i rörelse: Kulturhistoria i 1880-talets Sverige* (Göteborg: Makadam, 2012), 194-230.

72. "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.

73. "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/](http://shotprometheans.wordpress.com/workshops/2012-workshop/manuscripts/fridlund-engineering-terrorisms/), Sept 2012, 5 pp. (Online publication)

## E. ACADEMIC PRESENTATIONS

### *Invited Talks & Colloquia*

- *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.
- *The 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, Gothenburg, 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 lärdomshistoriskt Symposium*, Department of History of Science and Ideas, Gothenburg University, Gothenburg, 24 March 2000.
- *Department of History of Science and Technology*, KTH, Stockholm, 6 March 2000.
- *CHSTM Postgraduate Workshop Seminar*, Centre for the History of Science, Technology and Medicine, University of Manchester, 8 Feb 2000
- *Department of Technology and Society*, Chalmers University of Technology, Göteborg, 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.

### ***Conference Presentations***

- "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 19<sup>th</sup> Century," *55<sup>th</sup> 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: 17<sup>th</sup> 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 Broadsides: 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.
- "Acculturing 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 Affordance 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 Riskmindedness: 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 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 21<sup>st</sup> century*, Århus, 23 Nov 2007. (invited keynote)
- "How We Learned to Live With the Bombs: Mentalities and Materialities of Urban Terrormindedness", *SHOT 50<sup>th</sup> 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 20<sup>th</sup> 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*, Stjernsund, 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*, Austria, 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: Industrionalism 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 utvecklingssamarbets 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 utvecklingssamarbeten inom infrasystem", *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, 16 Oct 1993.

## F. PROFESSIONAL SERVICE

### *Elected & appointed positions*

- *Editorial Boards*:
  - *ICON: The Journal of the International Committee for the History of Technology*, 2012-present
  - *The International Journal for History of Engineering & Technology*, 2008-present
- *Editorial Advisory Board*, Science History Publications / USA, 2007-present
- Society for the History of Technology (SHOT):
  - *IEEE Life Members Prize Committee*, 2011
  - *Nominating Committee*, 2004–06, (Chair 2006)
- International Committee for History of Technology (ICOHTEC):
  - *Executive Committee*, 2007-09
  - *Program Committee*, 2006-08, (Chair 2008)
  - *Nominating Committee*, 2006-07
- The Institution of Electrical Engineers (IEE) Professional Network in History of Technology:
  - *Executive Team* 2002-05.
- *The Danish University Censor Corps for Political Science*, 2009-(2013)
- *The Danish University Censor Corps for Physics*, For History and Theory of Science, 2008-10
- *Board of Directors*, The Danish Research Training Program of Philosophy, History of Ideas and History of Science (PHIS), 2007-08

### *Peer Review*

Expert evaluation committee for Assistant Professorship in Information Science focused on Surveillance Studies, Faculty of Humanities, Aarhus University, 2010.

### Grant Reviewer:

*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)

Peer-reviewer for scholarly journals:

- *Business History Review* (Harvard Business School)
- *Den jyske Historiker* (Aarhus University)
- *History and Technology* (Routledge)
- *History of Science* (Science History Publications)
- *Lychnos* (Swedish Association of History of Science and Ideas)
- *Polhem* (Swedish National Committee for the History of Science and Technology)
- *Slagmark* (Aarhus University)
- *Technology and Culture* (Johns Hopkins University Press)
- *Technology in Society* (Elsevier)
- *Terrorism and Political Violence* (Taylor & Francis)

Commentator on conference sessions:

- "Of Black Boxes, Dispositifs and Security," at *2012 Annual Millennium Conference: Materialism and World Politics*, London, Oct 20, 2012
- "Technology and Subjectivity: Approaches toward Understanding the Psychology of Technological Change" at *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" at *50th Annual Meeting of the Society for the History of Technology*, Lisbon, Oct 12, 2008.
- "The Historianimation of Contemporary Technomedicoscience" at *History of Science and Technology Days*, Stockholm, 8 April 2008.
- "(Post)Cold War Imaginaries? Satellites, Cell Phones and Nanotechnology" at *49th Annual Meeting of the Society for the History of Technology*, Washington D.C., Oct 19, 2007.
- "Objects of Desire" at: *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" at *44th Annual Meeting of the Society for the History of Technology*, Toronto, Oct 18, 2002.
- "Works in Progress" at *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 Forsking 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:

- *55<sup>th</sup> 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:

- President's Roundtable: "Cultures of Use: Histories of Technology Beyond Invention and Innovation" at *55th 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:

- (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) *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) *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:

- *Materialities, Thing Theories and Material Cultures: Multidisciplinary Research Perspectives on the Material Turn*, One-day research symposia, University of Gothenburg, 7 February 2013. (Organizer with Olof Hallonsten, GU)
- *Is there a material turn in research?*, panel-discussion, University of Gothenburg, 11 December 2012. (Organizer with Olof Hallonsten, GU)
- *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 Martin Holbraad, UCL)
  - *Jeg en sikker gård mig bygge vil: Sikkerhedens materielle udtryck 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 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 Michael Keenan, University of Manchester)
- *Workshop Pågående nordisk forskning inom IT-historia*, Stockholm School of Economics, 22 Nov 1997. (Organizer with Anders Lundgren, Stockholm School of Economics)
- *Workshop on Developing state and industry: Dynamics of 'embedded autonomy' in industrial change*, Stockholm School of Economics, 17 April 1996. (Organizer with Claes-Fredrik Helgesson, Stockholm School of Economics)
- *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**

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.

## **G. TEACHING EXPERIENCE**

### **Pedagogic Education Completed**

- *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.

### **Undergraduate Courses 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*, Technical University of Denmark (DTU) 2010/11
- *History and Culture of Engineering*, DTU 2007/08
- *Science, Technology and Terrorism*, DTU 2006/07
- *History and Culture of the Natural Sciences*, Aarhus University 2007/08
- *History 275, History of Modern Sciences and Medicine*, Northwestern University 2004/05
- *History 325, History of American Technology*, Northwestern University 2004/05, 2005/06
- *History 392, History of Political Terrorism*, Northwestern University 2005/06
- *Intl St/History 390, Terrorism*, Northwestern University 2004/05, 2005/06
- *Intl St/History 395, Contexts of International Terrorism*, Northwestern University 2004/05, 2005/06
- *Intl St/History 395, Science and Technology of Terror*, Northwestern University 2005/06
- *History of Science*, Imperial College London 2002/03
- *History of Technology*, Imperial College London 2001/02, 2002/03
- *Humanities Essay: British Technological Decline*, Imperial College London 2002/03
- *Technical Development in Historical Perspective*, Stockholm School of Economics 1993/94, 1994/95 *Introduction to History of Technology*, KTH 1992/93, 1993/94
- *International Summer Course in the History of Science and Technology*, KTH 1992/93

### **Undergraduate Thesis Supervision**

- 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.
- Imperial College London: Gareth Gretton, *Decline, De-industrialisation and the British Economy* Humanities Essay (London: Imperial College London, 2003), 57 pp.

## H. GRADUATE STUDENT TEACHING, SUPERVISION & EXAMINATION

### *Pedagogic Education Completed*

- *Supervision in Postgraduate Education*, University of Gothenburg, 2011.
- *Programme for PhD Supervisors, Module 1 & 2*, LearningLab DTU, DTU, 2006-07.

### *Graduate Courses Taught*

#### Masters level

- *Theoretical and Historical Perspectives on Science*, University of Gothenburg, Spring 2011, Autumn 2011, Spring 2012, Autumn 2012.
- *Cultural History of Terrorism and Security since 1789*, University of Copenhagen, 2010/11
- *Core Course: Introduction to the History of Science, Technology and Medicine*, University of London, 2001/02, 2002/03
- *Science, Medicine and Technology in the Twentieth Century*, University of London, 2001/02, 2002/03
- *Sciences in the Age of Industry 1750-1920*, University of London, 2002/03

#### PhD level

- *Materialities, Thing Theories & Material Culture: Perspectives on the Material Turn*, University of Gothenburg, 2012/13
- *How and Why to Care about Historiography*, Aarhus University, 2007/08
- *Technologies of Fear: Understanding the Mechanics of State and Terror*, Aarhus University, 2006/07
- *The New Materialism in History of Science, Technology and Medicine*, Lund University, 2006/07
- *History 499 History of Terrorism*, Northwestern University, 2005/06
- *History 499 History and Sociology of Technology*, Northwestern University, 2004/05

### *Graduate Student Supervision*

#### MSc supervision:

- 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).
- Fredrik Janson, *Review of Peer Instruction and Tutorials; Survey and Comparison with the Traditional Method* (Masters Thesis in Education, University of Gothenburg, 2012).
- 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, University of London, 2003), 55 pp.
- David Rooney, *Better Light – Better Sight: The Science Museum and the War for Electric Lighting*, (MSc Thesis in History of Science, Medicine and Technology, University of London, 2002), 47 pp. (Awarded distinction)
- Waqar Zaidi (MSc course tutor in History of Science, Medicine and Technology, University of London 2002-03, continued on to PhD thesis defended 2008)
- Elton Zack Welford (MSc course tutor in History of Science, Medicine and Technology, University of London 2002-03)

**PhD dissertation supervision**

- (Gustaf Nelhans, "The practice of the citation: Studies in the citation's theory, practice and research policy" (University of Gothenburg, planned defence September 2013). (Assistant advisor 2011-13.)
- Bernard Geoghegan, "The Cybernetic Apparatus: Media, Liberalism, and the Reform of the Human Sciences" (Northwestern University & Bauhaus-Universität Weimar). (Informal committee member 2007-12).
- 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). (Informal advisor 2004-08).
- Sergio Plata, "Language, text and image in applied mathematics (1930-1950): Language theory approach to the history of science" (Imperial College London, 2005). (Informal advisor 2002-03).

***PhD Dissertation Examination*****PhD External Faculty Opponent**

- 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.

**PhD Dissertation Examination Committee**, Max Rolfstam (Innovation Studies), *Public Procurement of Innovation*, Lund University, 13 June 2008.

**I. PUBLIC OUTREACH & RESEARCH POPULARIZATION*****Exhibitions***

- (*Terrorismens teknikhistoria* [The history technology of terrorism,] Joint exhibition with Danish Museum of Science and Technology, Norwegian Museum of Science, Technology and Medicine, & Swedish Technical Museum, planned to open approx. 2016.) (Academic advisor).
- (*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, July-December 2007. (Academic advisor).
- (*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)

***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.

***News media, interviews & op-eds***

- "Who fears?", *Teknovatøren*, 26 November 2012.
- "Diskuterte terrorens ettervirkninger", *Stavanger Aftenblad*, 27 April 2012.
- "Teknikker for å leve med terror", *Rogalands Avis*, 26 April 2012.
- "Stortinget skal ikke være en festning", *Stavanger Aftenblad*, 26 April 2012.
- Mats Fridlund, "Å lære seg å leve med terrorismen", *Stavanger Aftenblad*, 25 April 2012.

- Program "Videnskabens Verden", *Danish Broadcasting Corporation (DR) Radio P1*, 13 Sept 2011.
- Mats Fridlund, "Tillbaka till framtiden", *KTH&Co*, 2010, no. 2.
- Tove Stenqvist, "The Face of Terrorism: Acting Like a State," *Baltic Worlds* 2 (October 2009):2, 19-21.
- Program "Kulturkontoret", *Danish Broadcasting Corporation (DR) Radio P1*, 1 May 2009.
- Program "Film magazine Nosferatu", *Danish University Radio*, 19 March 2009.
- "Either PET are sloppy or ...", *Berlingske Tidende*, 15 Feb 2009.
- "The hunt for the Iranians", *Berlingske Tidende*, 14 Feb 2009.
- "Ekspert: Siemens-produkt ligner noget fra Hollywood", *Computerworld*, 14 Nov 2008.
- "Uthav" political affairs radio program, *Radio Faroe Islands*, 22 Nov 2006.
- "Blended research explores terrorism's path", *The Daily Northwestern*, 31 March 2005.
- Interview, *Beijing Television*, 29 Nov 2001.
- "Stenbeck åter del av överheten?", *Vision*, 15 January 2001.
- "Mats har utrett samarbetets strategier", *ERA*, 2000, No. 1-2.
- "Strävsamt par som byggde folkhemmet," *Energitidningen*, 1995, no. 7, 20-21.
- On the history of the Nobel Prizes in Physics, *Dagens Nyheter*, 27 Nov 1993.

### Public lectures

- *Den moderna terrorismens historia: Politisk terror från anarkism till al-Qaida*, Public lecture series, Folkuniversitetet, Stockholm, Oct-Dec 2013.
- *Technology, Surveillance and Revolution*, (lecture & panel discussion), arranged by The International Science Festival Gothenburg, Gothenburg, 26 April 2013.
- *Odontologisk Riksstämma & Swedental 2012*, arranged by Swedish Dentists Against Nuclear Weapons, Gothenburg, 16 November 2012.
- *How will July 22<sup>nd</sup> 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: Terror and Technology in the 21st Century*, 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 Veteranföreningens vårmöte*, Vattenfall, Råcksta, 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 föreningens 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.