

## ANNA BERGEK

### PERSONAL INFORMATION

#### NAME

Anna Margareta Bergék (born: Johnson)

#### BIRTH DATE AND PLACE

1973-08-23 in Ösmo, Sweden

#### NATIONALITY

Swedish



### HIGHER EDUCATION / DEGREES

#### “DOCENT”, FACULTY OF SCIENCE AND ENGINEERING, LINKÖPING UNIVERSITY, MARCH 2008

Field of study: Industrial Organization / Industriell organisation

#### PHD (TEKNOLOGIE DOKTOR), CHALMERS UNIVERSITY OF TECHNOLOGY, JUNE 2002

Field of study: Technology Management / Teknologimanagement

*Thesis title: “Shaping and Exploiting Technological Opportunities: The Case of Renewable Energy Technology in Sweden”*

#### LICENTIATE OF ENGINEERING, CHALMERS UNIVERSITY OF TECHNOLOGY, JUNE 1999

Field of study: Technology Management / Teknologimanagement

*Thesis title: “Renewable Energy Technology: A New Swedish Growth Industry?”*

#### MSC (CIVILINGENJÖR), CHALMERS UNIVERSITY OF TECHNOLOGY, JANUARY 1997

Field of study: Industrial Engineering and Management / Industriell ekonomi

*Thesis title: “The Zero Emission Vehicle Mandate: A Starting Engine for Electric Vehicle Development?”*

### WORK HISTORY

#### FULL PROFESSOR (CHAIR), DEPARTMENT OF ENERGY AND ENVIRONMENT / DEPARTMENT OF TECHNOLOGY MANAGEMENT AND ECONOMICS (FROM 2017), CHALMERS UNIVERSITY OF TECHNOLOGY

Field of study: Innovation systems and technology policy

October 2016 – present

#### ASSOCIATE PROFESSOR (BITRÄDANDE PROFESSOR), DEPARTMENT OF MANAGEMENT AND ENGINEERING, LINKÖPING UNIVERSITY

Field of study: Industrial management – innovation in and between firms

April 2015 – September 2016

#### FØRSTEAMANUENSIS (20%), CENTRE FOR TECHNOLOGY, INNOVATION AND CULTURE, UNIVERSITY OF OSLO

Field of study: Innovation studies

September 2011 – June 2014

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**SENIOR LECTURER (UNIVERSITETSLEKTOR), DEPARTMENT OF MANAGEMENT AND ECONOMICS / DEPARTMENT OF MANAGEMENT AND ENGINEERING, LINKÖPING UNIVERSITY**

Field of study: Industrial management – innovation in and between firms  
April 2004 – March 2015 ("oavlönad docent" from March 2008)

**SUBSTITUTE SENIOR LECTURER, DEPARTMENT OF MANAGEMENT AND ECONOMICS, LINKÖPING UNIVERSITY (50-100%)**

Field of study: Industrial management (Industriell organisation)  
September 2002 – March 2004

**COMMISSION SECRETARY, THE EXPERT COMMISSION ON LONG-TERM ENERGY RESEARCH, SWEDISH MINISTRY OF INDUSTRY (50-100%)**

July 2002 – August 2003

**RESEARCHER, INSTITUTE FOR MANAGEMENT OF INNOVATION AND TECHNOLOGY (IMIT)**

January 1997 – June 2002

**PHD CANDIDATE, DEPARTMENT FOR INDUSTRIAL DYNAMICS, CHALMERS UNIVERSITY OF TECHNOLOGY**

Field of study: Technology management  
January 1997 – April 2002

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**ACADEMIC  
MANAGEMENT  
EXPERIENCES**

**VICE HEAD OF DEPARTMENT, DEPARTMENT OF TECHNOLOGY MANAGEMENT AND ECONOMICS, CHALMERS UNIVERSITY OF TECHNOLOGY**

April 2018 – present (20%)

**ASSOCIATE & VICE DEAN, FACULTY OF SCIENCE AND ENGINEERING, LINKÖPING UNIVERSITY**

January 2012 – September 2016 (40-50%)

**MEMBER OF THE DEPARTMENT BOARD, DEPARTMENT OF MANAGEMENT AND ECONOMICS, LINKÖPING UNIVERSITY**

2006

**PHD STUDENT REPRESENTATIVE, UNIVERSITY MANAGEMENT GROUP, CHALMERS UNIVERSITY OF TECHNOLOGY**

2001—2002

**PHD STUDENT REPRESENTATIVE, REKTOR'S MANAGEMENT GROUP, CHALMERS UNIVERSITY OF TECHNOLOGY**

2000/01

**PHD STUDENT REPRESENTATIVE, BOARD OF CHALMERS UNIVERSITY OF TECHNOLOGY AB**

1998/99

**VICE PRESIDENT (FALL 1994) AND PRESIDENT (1995) OF THE PHD STUDENT ASSOCIATION BOARD, CHALMERS UNIVERSITY OF TECHNOLOGY**

Fall 1994—1995

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LEADERSHIP  
EDUCATION AND  
COMPETENCE  
DEVELOPMENT

**DEVELOPMENT PROGRAM FOR INCLUSIVE AND OUTSTANDING RESEARCH ENVIRONMENTS, CHALMERS**

2024 (enrolled) (nominated by Head of Department)

**DIALOGUES ABOUT GENDER AND CHANGE, CHALMERS**

2018/19 (invitation to selected research leaders by the University President)

**IDAS MANAGEMENT DEVELOPMENT PROGRAM, LINKÖPING UNIVERSITY**

2006

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INTERNAL WORK  
(COMMITTEES,  
WORKING GROUPS  
ETC.)

**MEMBER OF RECRUITMENT COMMITTEE FOR A STRATEGIC ASSISTANT PROFESSOR POSITION IN URBAN AND REGIONAL DEVELOPMENT, CHALMERS**

Spring 2024

**MEMBER OF THE CENTRAL RESEARCH BOARD, CHALMERS**

2018 – present

**HEAD OF CENTRAL TASK FORCE ON OPEN SCIENCE, CHALMERS**

June 2023 – March 2024

**HEAD OF RECRUITMENT COMMITTEE FOR A STRATEGIC ASSISTANT PROFESSOR POSITION IN TECHNOLOGY IN SOCIETY, CHALMERS**

Spring 2022

**MEMBER OF WORKING GROUP ON SUSTAINABLE INVESTMENT (ON BEHALF OF THE CHALMERS UNIVERSITY OF TECHNOLOGY FOUNDATION)**

March – October 2021

**MEMBER OF REFERENCE GROUP FOR THE DEVELOPMENT OF CHALMERS'S CLIMATE STRATEGY**

September 2019 – June 2020

**MEMBER OF THE BOARD OF THE SWEDISH WIND POWER TECHNOLOGY CENTRE, CHALMERS UNIVERSITY OF TECHNOLOGY**

2016—2018

**MEMBER OF THE BOARD OF PROCESS INDUSTRIAL CENTRE LINKÖPING (PIC-LI)**

2010—2014

**MEMBER OF THE JUNIOR FACULTY BOARD, FACULTY OF SCIENCE AND ENGINEERING, LINKÖPING UNIVERSITY**

2007—2009

**EQUAL OPPORTUNITIES REPRESENTATIVE, SCHOOL OF MANAGEMENT OF TECHNOLOGY, CHALMERS**

2000—2001

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EXTERNAL REVIEW  
TASKS

**REVIEW FOR PROMOTION TO PROFESSOR, UNIVERSITY OF EDINBURGH**

January 2024

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**RESEARCH ASSESSMENT OF THE DEPARTMENT OF INDUSTRIAL ENGINEERING & INNOVATION SCIENCES, EINDHOVEN UNIVERSITY OF TECHNOLOGY (COMMITTEE MEMBER)**

Spring 2023

**REVIEW FOR APPOINTMENT TO PROFESSOR, KARLSRUHER INSTITUT FÜR TECHNOLOGIE**

February 2023

**REVIEW FOR A DOCENTSHIP AT UNIVERSITY OF HELSINKI**

January 2022

**REVIEW FOR PROMOTION TO TENURED POSITION, EAWAG**

November 2021

**BSC/MSC PROGRAMME ASSESSMENT OF CLUSTER INNOVATION SCIENCES (VRIJE UNIVERSITEIT AMSTERDAM, UTRECHT UNIVERSITY AND EINDHOVEN UNIVERSITY OF TECHNOLOGY) (PANEL MEMBER)**

2017

**REVIEW FOR EXTERNAL RECRUITMENT OF SENIOR LECTURER, GOTHENBURG UNIVERSITY**

February 2016

**REVIEW FOR EXTERNAL RECRUITMENT OF SENIOR LECTURER, GOTHENBURG UNIVERSITY**

February 2013

**REVIEW FOR EXTERNAL RECRUITMENT OF SENIOR LECTURER, BLEKINGE INSTITUTE OF TECHNOLOGY**

December 2011

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## SCIENTIFIC QUALIFICATIONS

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### RESEARCH PROFILE

My main field of research is Innovation Studies, with a focus on technology and industry dynamics, innovation policy and innovation strategy. The overall aim of my research is to understand under what conditions mature companies and industries can remain innovative, how new technologies can enter and diffuse in sectors that are in need of renewal, and how policy should be designed, implemented and evaluated to facilitate innovation and transformation. One of the main outputs of this research is the so-called “functions of technological innovation systems” framework, which has been used by other researchers in over 200 empirical studies to date as well as by policy makers in several countries. While much of my work is focused on the level of systems, industries, and sectors, I am also interested in the roles and strategies of different types of actors in innovation, diffusion, and transition processes.

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### SCIENTIFIC PUBLICATION (OVERVIEW)

#### PUBLICATION PROFILES

ORCID: 0000-0003-1952-902X  
Web of Science Researcher ID: A-3279-2009  
Scopus Author ID: 6505948234

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## **NUMBER OF PUBLICATIONS (JUNE 2024) (SEE ALSO THE APPENDED PUBLICATION LIST)**

Peer reviewed journal articles: 44, whereof:

- 5 in level 4/4\* journals (AJG) + 6 in SNIP 1-5% journals and 9 in level 3 journals (AJG) + 6 in SNIP 6-10% journals.
- 2 singled-authored, 9 lead-authored, and 14 with equal author contributions
- 10 in international collaboration

Book chapters: 17, whereof:

- 4 indexed in WoS and 7 indexed in Scopus
- 4 singled-authored, 2 lead-authored, and 9 with equal author contributions
- 4 in international collaboration

## **CITATION DATA (JUNE 2024)**

h-index: 30 (Scopus); 40 (Google Scholar)

Total number of citations: 7,357 (Scopus); 18,178 (Google Scholar)

Share of publications among the top 10% most cited worldwide: 45% (Scopus)

Share of publications in top 10% journals according to SNIP: 68%

## **SELECTION OF HIGHLY CITED PAPERS (SCOPUS)**

- Bergek et al. (2008, Research Policy): 1,381 citations (22<sup>st</sup> most cited of 4,073)
- Jacobsson & Johnson (2000, Energy Policy): 670 citations (48<sup>th</sup> most cited of 14,831)
- Jacobsson & Bergek (2004, ICC): 524 citations (21<sup>th</sup> most cited of 1,520)
- Bergek & Norrman (2008, Technovation): 519 citations (10<sup>th</sup> most cited of 2,682)
- Bergek et al. (2015, EIST): 373 citations (9<sup>th</sup> most cited of 792)
- Jacobsson & Bergek (2011, EIST): 333 citations (10<sup>th</sup> most cited of 792)
- Bergek et al. (2008, TASM): 282 citations (11<sup>th</sup> most cited of 2,357)

## **SELECTION OF UPCOMING PAPERS (>2020 & TOP 5% CITATION PERCENTILE, SCOPUS)**

- Kivimaa et al. (2020, EIST): 35 citations (1<sup>st</sup> percentile)
- Haddad et al. (2022, EIST): 44 citations (2<sup>nd</sup> percentile)
- Bach et al. (2020, Transportation Research Part D): 75 citations (4<sup>th</sup> percentile)
- Haddad & Bergek (2023, Research Policy): 15 citations (5<sup>th</sup> percentile)

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### **SUCCESSFUL APPLICATIONS FOR FUNDING**

#### **CONCEPTUALISING THE ROLE OF SYSTEM ACTORS IN ENERGY POLICY PROCESSES: INSTITUTIONAL STRATEGIES, CAUSAL MECHANISMS AND POLICY MIX CHANGE (2025)**

Funder: Chalmers Area of Advance Energy, TEG profile

Budget: 0.5 MSEK

Role: Main applicant, with Maria Altunay (Chalmers) (MA wrote most of the application)

#### **MISSION-DRIVEN POLICY INSTRUMENTS FOR ZERO AND NEGATIVE EMISSIONS: ANALYSIS OF HOW NEW POLICY INSTRUMENT TYPES AFFECT THE DYNAMICS AND DIRECTION OF INDUSTRIAL TRANSITION (2024-2026)**

Funder: Swedish Energy Agency

Budget: 5.9 MSEK (Chalmers's share: 5.5 MSEK)

Role: Co-applicant with Hans Hellsmark (Chalmers, main applicant) and Johnn Andersson (RISE) (my role in the application-writing was small)

#### **INTERACTION PLATFORM FOR SYSTEM TRANSFORMATION RESEARCH (2023-2026)**

Funder: Vinnova

Budget: 9 MSEK (Chalmers's share: 1.6 MSEK)

Role: Co-applicant with Magnus Nilsson/Markus Grillitsch and Mats Benner (Lund)

University), Harald Rohrer (Linköping University), and Andres Broström (Entrepreneurship Forum) (plus other people with smaller parts)

**ASSESSING AND EVALUATING THE TRANSFORMATIVE POTENTIAL AND OUTCOMES OF TRANSFORMATIVE INNOVATION POLICY (2023-2024)**

Funder: Vinnova

Budget: 1.4 MSEK (Chalmers's share: 0.4 MSEK)

Role: Project coordinator & main author; co-applicant with Harald Rohrer (Linköping University) and Mart Laatsit, Emily Wise, and Markus Grillitsch (Lund University)

**COMMUNITY SOLAR: PARTICIPATION, ORGANISATION, AND REGULATION (2021-2023)**

Funder: Swedish Energy Agency

Budget: 3.2 MSEK (Chalmers's share: 1.7 MSEK)

Role: One of two main applicants – with Jenny Palm (Lund University)

**ELECTRICITY RETAILERS AND SOLAR POWER DIFFUSION: STRATEGIES AND CRITICAL TRADE-OFFS (2019-2021)**

Funder: Swedish Energy Agency

Budget: 2.7 MSEK

Role: Main applicant

**SWEDISH TRANSFORMATIVE INNOVATION POLICY PLATFORM (STIPP) (2018-2022)**

Funder: Vinnova (Sweden's innovation agency)

Budget: 33.3 MSEK (Chalmers's share: 6.9 MSEK)

Role: Co-applicant – with Lea Fünfschilling & Teis Hansen (Lund University), Hans Hellsmark (Chalmers), Jerker Moodysson, Kersti Karltorp & Tobias Fridholm (Jönköping University), and Harald Rohrer (Linköping University)

**POLICYMAKERS' CAPACITY TO DEVELOP A SUSTAINABLE BIOECONOMY (2018-2020)**

Funder: Formas (Swedish Research Council for Sustainable Development)

Budget: 4.9 MSEK

Role: Main applicant – with Johanna Ulmanen (RISE) and Hans Hellsmark (Chalmers)

**GREENING THE FLEET - SUSTAINABILITY TRANSITIONS IN THE MARITIME SHIPPING SECTOR (2017-2020)**

Funder: Norwegian Research Council

Budget: 11.8 MNOK (my share: 0.7 MNOK)

Role: Co-applicant – with Tone Merethe Aasen & Markus Steen (SINTEF), Olav Wicken (University of Oslo), Roger Sørheim (NTNU), and Teis Hansen (Lund University)

**BIOEKONOMI 2.0 – BÄTTRE VALORISERING AV RESTSTRÖMMAR (2017-2020)**

Funder: Vinnova (Sweden's innovation agency)

Budget: 2.1 MSEK (Chalmers's share: minor)

Role: Co-applicant (minor part) – with Erik Furusjö, Louise Staffas & Roman Hackl (IVL Swedish Environmental Research Institute), Stefan Heyne (Chalmers industriteknik), and Johanna Ulmanen & Nils Jonsson (RISE).

**INTERACTIONS BETWEEN BUSINESS, ENERGY AND INNOVATION STRATEGIES IN THE PULP AND PAPER INDUSTRY (2017-2019)**

Funder: Swedish Energy Agency

Budget: 4.5 MSEK

Role: Co-applicant – with Maria Johansson & Ksenia Onufrey (LiU), and Sarah Broberg Viklund (RISE)

**THE ROLES OF INTERMEDIARIES IN THE TRANSITION TO A SUSTAINABLE ENERGY SYSTEM (2015-2018)**

Funder: Swedish Energy Agency

Budget: 7.0 MSEK

Role: Main applicant – with Ingrid Mignon & Johanna Nählinder (LiU)

**RENEWABLE ENERGY AS TRANSITION STRATEGY (2012-2014)**

Funder: Norwegian Research Council

Budget: unknown

Role: Co-applicant – with Olav Wicken, Sjur Kasa, Keith Smith et al. (UiO)

**NEW INVESTORS IN RENEWABLE ELECTRICITY PRODUCTION: MOTIVES, INVESTMENT CRITERIA AND POLICY IMPLICATIONS (2010-2014)**

Funder: Swedish Energy Agency

Budget: 6.4 MSEK

Role: One of two main applicants – with Gunnel Sundberg (other main applicant) & Mats Söderberg (LiU)

**KNOWLEDGE INTEGRATION AND INNOVATION IN AN INTERNATIONALIZING ECONOMY (2007-2014)**

Funder: Riksbankens Jubileumsfond

Budget: 28.9 MSEK

Role: Co-applicant (one of two main authors of the application) – with Christian Berggren, Lars Lindkvist, Fredrik Tell, Jonas Söderlund, Hans Andersson, Nicolette Lakemond & Thomas Magnusson (LiU), and Lars Bengtsson (Gävle University College).

**SECTORAL MODES OF OPEN INNOVATION AND POLICY IMPLICATIONS (2007-2008)**

Funder: VISION Era-Net/Vinnova

Budget: ca 0.4 MSEK (Linköping University share)

Role: Co-applicant – with Koen Dittich (RSM Erasmus University), Christopher Palmberg (Etlatieto Oy), Tuomo Pentikäinen (Advansis Oy), Aldis Kaludis (NIFU STEP), and Fredrik Tell (LiU)

**A CRITICAL SCRUTINY OF ‘GREEN CERTIFICATES’ AS A MEANS TO SUPPORT THE DIFFUSION OF RENEWABLE ENERGY TECHNOLOGY (2007)**

Funder: Swedish Ministry of Finance’s Environmental Fund

Budget: ca 0.3 MSEK

Role: Co-applicant – with Staffan Jacobsson (Chalmers University of Technology)

**INNOVATIONS AND TECHNOLOGY STRATEGIES IN BIG FIRMS – DO TECHNOLOGY STRATEGIES AND PROJECT-BASED ORGANIZATIONAL CAPABILITIES MATTER? (2006-2008)**

Funder: Sweden Scientific Council (Vetenskapsrådet)

Budget: 2.2 MSEK

Role: Co-applicant – with Christian Berggren & Fredrik Tell (LiU)

**TECHNOLOGY STRATEGY, ORGANIZING AND INNOVATION IN LARGE COMPANIES (2005-2007)**

Funder: The Lars Erik Lundberg Foundation for Research and Education

Budget: 1.0 MSEK

Role: Co-applicant – with Christian Berggren & Fredrik Tell (LiU)

**CHALLENGES AND OPTIONS FOR POLICY IN THE TRANSFORMATION OF THE (SWEDISH) ELECTRICITY AND TRANSPORT SYSTEMS (2004-2006)**

Funder: Swedish Energy Agency

Budget: 2.2 MSEK

Role: Co-applicant – with Staffan Jacobsson & Björn Sandén (Chalmers University of Technology)

**EVALUATION OF THE ELECTRICITY CERTIFICATE SYSTEM'S INFLUENCE ON THE FUNCTIONALITY OF SWEDISH INNOVATION SYSTEMS FOR RENEWABLE ELECTRICITY TECHNOLOGIES (2004)**

Funder: Swedish Energy Agency

Budget: 17 kSEK

Role: Main applicant

**SHAPING AND EXPLOITING TECHNOLOGICAL OPPORTUNITIES – THE CASE OF THE SWEDISH CAPITAL GOODS INDUSTRY'S VENTURE INTO RENEWABLE ENERGY TECHNOLOGY (1999-2002)**

Funder: Swedish Energy Agency

Budget: not available

Role: Co-applicant – with Staffan Jacobsson & Lennart Bångens (Chalmers)

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RESEARCH  
LEADERSHIP  
& PROJECT  
MANAGEMENT  
EXPERIENCES

**MISSION-DRIVEN POLICY INSTRUMENTS FOR ZERO AND NEGATIVE EMISSIONS: ANALYSIS OF HOW NEW POLICY INSTRUMENT TYPES AFFECT THE DYNAMICS AND DIRECTION OF INDUSTRIAL TRANSITION (2024-2026)**

Management/leadership roles: Overall scientific responsibility for the project (but not project management); examination/supervisor role for PhD student/postdoctoral researcher. *Other team members: two senior researchers (one at Chalmers and one at a research institute) + one PhD student or postdoctoral researcher (tbd).*

**ASSESSING AND EVALUATING THE TRANSFORMATIVE POTENTIAL AND OUTCOMES OF TRANSFORMATIVE INNOVATION POLICY (2024)**

Management/leadership roles: Co-development of original idea & project design; project management & administration. *Other team members: four senior researchers (other universities).*

**COMMUNITY SOLAR: PARTICIPATION, ORGANIZATION AND REGULATION (2021—2023)**

Management/leadership roles: Co-development of original idea & project design; project management & administration; supervision of junior team members. *Other team members: Senior researcher (other university); PhD candidate (small role), research assistant (other university)*

### **ELECTRICITY RETAILERS AND SOLAR POWER DIFFUSION: STRATEGIES AND CRITICAL TRADE-OFFS (2019—2021)**

Management/leadership roles: Original idea & project design; project management & administration; supervision of junior team members. *Other team members: PhD candidate, Post Doc (not funded by the project) and two master students (not funded by the project)*

### **POLICYMAKERS' CAPACITY TO DEVELOP A SUSTAINABLE BIOECONOMY (2018—2021)**

Management/leadership roles: Co-development of original idea & project design; project management & administration; co-supervision of junior team members. *Other team members: Post Doc, senior researcher and project assistant*

### **THE ROLES OF INTERMEDIARIES IN THE TRANSITION TO A SUSTAINABLE ENERGY SYSTEM (2015—2018)**

Management/leadership roles: Co-development of original idea & project design; project management & administration; supervision of junior team members. *Other team members Senior researcher, PhD candidate/Post Doc, PhD candidate*

### **NEW INVESTORS IN RENEWABLE ELECTRICITY PRODUCTION: MOTIVES, INVESTMENT CRITERIA AND POLICY IMPLICATIONS (2010—2014)**

Management/leadership roles: Co-development of original idea; project design; project management & administration (2013-2014); supervision of junior team members  
*Other team members: PhD candidate, two senior researchers*

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#### PHD SUPERVISION

#### **ONGOING**

Main supervisor and examiner of **Maria Altunay (Blarr)**, Graduate School of Energy and Environment/Environmental Systems Analysis, Chalmers University of Technology (2019 – present)

*Licentiate thesis: "Narratives of energy incumbents: Unravelling perspectives on municipal electric utilities" (2022)*

Examiner and secondary supervisor of **Valentina Nakic**, Graduate School of Technology Management and Economics, Chalmers University of Technology (2019 – present)

Examiner of **Maja Svanberg**, Graduate School of Technology Management and Economics, Chalmers University of Technology (2024 – present)

Examiner of **Elzira Tiago Tundumula**, Graduate School of Technology Management and Economics, Chalmers University of Technology (2020 – present)

Examiner of **Niklas Fernqvist**, Graduate School of Technology Management and Economics, Chalmers University of Technology (2017 – present)

*Licentiate thesis: "Inside out: Individuals' sustainability engagement in energy system transition" (2021)*

#### **COMPLETED**

Main supervisor and examiner of **Carolina Resende Haddad**, Graduate School of Technology Management and Economics, Chalmers University of technology (2018 – 2023)

*Licentiate thesis: "Evaluating transformative innovation policy: towards an integrated framework" (2021)*

*PhD thesis: "Transformative innovation policy evaluation: characteristics, challenges, and lessons from practice" (2023)"*

Examiner of **Nelso Bila**, Graduate School of Technology Management and Economics, Chalmers University of Technology (2020 – 2021). *Nelso decided to transfer to a graduate school at the University of Mocambique in August 2021.*

Secondary supervisor of **Tuukka Mäkitie**, University of Oslo (2017-2019).  
*PhD thesis: "Sustainability transitions in oil economies: Resource redeployment from an established industry to a clean technology industry" (2019).*

Main supervisor and examiner of **Joakim Aspeteg**, Graduate School of Energy and Environment, Chalmers University of Technology (2016-2019).  
*Licentiate thesis: "The raison d'être of diffusion intermediaries in solar and wind power in Sweden" (2019).*

Co-supervisor of **Yuliya Blondiau** (formerly Karneyeva), University of St Gallen (2016-2018).

*PhD thesis: "Investments in Renewable Energy under Uncertainty: The Role of Energy Policy, Project Economics and Investor Categories" (2018).*

Main supervisor and examiner of **Ksenia Onufrey**, Industrial Management, Linköping University (2011-2017).

*Licentiate thesis: "Technology Dynamics in Multi-Technology Industries: Selection and Variety Creation through the Lens of Path Dependency and Path Generation" (2014).*

*PhD thesis: "Enabled by the past: understanding endogenous innovation in mature industries" (2017).*

Main supervisor and examiner of **Ingrid Johansson Mignon**, Industrial Management, Linköping University (2011-2016).

*Licentiate thesis: "Entering renewable electricity production: An actor perspective" (2014).*

*PhD thesis: "Inducing large-scale diffusion of innovation: An integrated actor- and system-level approach" (2016).*

Secondary supervisor of **Charlotte Norrman**, Project, Innovation and Entrepreneurship, Linköping University (2004-2008).

*Licentiate thesis: "Publicly Funded Support of Technology-Based Ventures" (2005).*

*PhD thesis: "Entrepreneurship Policy. Public Support for Technology-Based Ventures" (2008).*

Secondary supervisor of **Petter Jönsson**, Industrial Marketing, Linköping University (2004-2005).

*Licentiate thesis: "Modular Innovation in Mature Structures: A study of barriers and drivers between young and established organizations" (2005).*

PARTICIPATION IN  
PHD DEFENCES  
(DIFFERENT ROLES  
AND STAGES)

Discussant at 90% seminar for **Viktor Werner**, Department of Management and Engineering (IEI), Linköping University (March 2023). *Manuscript: "Who is electrifying goods transportation in Sweden? Studying dissimilar roles among incumbent firms during a transition in the making."*

Opponent at midterm seminar of **Amelie Bennich**, Department of Industrial Economics and Management, Royal Institute of Technology (KTH) (October 2022). *Manuscript: "Navigating digital waters. A study on the potential digital transformation of the water sector"*

Member of the grading committee at the dissertation defence of **Rasmus Nykvist**, Department of Business Administration, Örebro University (Mar 2021). *PhD thesis: "Essays on the interaction between regulation and technology: understanding agency and context through multiple levels of inquiry"*

Chair of the grading committee at the dissertation defence of **Maria Landqvist**, Department of Technology Management and Economics, Chalmers (Apr 2020). *PhD thesis: "Patterns of resource interaction in resource constellations: The case of start-ups approaching the Swedish energy system"*

Chair at the dissertation defence of **Maria Massaro**, Department of Technology Management and Economics, Chalmers University of Technology (Dec 2019).

Second opponent and member of grading committee at the dissertation defence of **Hilde Nykamp**, TIK Centre, University of Oslo (May 2018). *PhD thesis: "Green innovation in the Norwegian construction sector: policies, projects and industrial dynamics"*

Opponent at the dissertation defence of **Fredric Bauer**, Department of Chemical Engineering, Lund University (May 2018). *PhD thesis: "Innovation for biorefineries: Networks, narratives, and new institutions for the transition to a bioeconomy"*

Member of the grading committee (as co-supervisor) at the dissertation defence of **Yuliya Blondiau**, Institute for Economy and the Environment, University of St Gallen (Jan 2018). *PhD thesis: "Investments in Renewable Energy under Uncertainty: The Role of Energy Policy, Project Economics and Investor Categories"*

Opponent at the licentiate thesis defence of **Martin Albrecht**, Department of Sustainable development, environmental science and engineering, KTH (Jun 2017). *Licentiate thesis: "Enabling socio-technical transitions – electric vehicles and high voltage electricity grids as focal points of low emission futures"*

Chair of the grading committee at the dissertation defence of **Hanna Martin**, CIRCLE, Lund University (Nov 2016). *PhD Thesis: "Innovation for tackling grand challenges: Cleantech industry dynamics and regional context"*

Opponent at the dissertation defence of **Emrah Karakaya**, Department of Industrial Economics and Management, KTH (Dec 2015). *PhD thesis: "Diffusion of dynamic innovations: A case study of residential solar PV systems"*

Member of the grading committee at the dissertation defence of **Jonatan Freilich**, Department of Industrial Economics and Management, KTH (Nov 2015). *PhD Thesis: "When innovation is not enough: managerial challenges of technology change in pharmaceutical R&D"*

Discussant at “final seminar” (slutseminarium) for **Anna Darmani**, Department of Industrial Economics and Management, KTH (Apr 2015). *Thesis draft: “Who is in the driver seat? Evolution of actors in the renewable electricity industry”*.

Chair of the grading committee at the dissertation defence of **Hans Hellsmark**, Chalmers (Jan 2011). *PhD Thesis: “Unfolding the formative phase of gasified biomass in the European Union”*.

Discussant (opponent) at the licentiate thesis defence of **Eugenia Perez-Vico**, Chalmers (Oct 2010). *Licentiate thesis: “Capturing and explaining the effects of academic R&D – The case of nanotechnology”*.

Chair of the grading committee at the dissertation defence of **Karl Hillman**, Chalmers (Nov 2008). *PhD Thesis: “Environmental assessment and strategic technology choice: the case of renewable transport fuels”*.

Discussant at “pre-final seminar” (förslutseminarium) for **Daniel Nordigården**, Department of Management and Economics, Linköping University (Sep 2006). *Thesis draft: “Outsourcing of raw material based components – a customer and supplier perspective”*.

Discussant at “50% seminar” for **Stian Nygaard**, Department of Innovation, Lund University (May 2006).

Discussant at “final seminar” (approx. 80%) for **David Bauner**, Department of Industrial Economics and Management, KTH (Nov 2005). *Thesis draft: “The global introduction of the automotive three-way catalytic converter: Innovation under environmental, economic and structural constraints”*

Member of the grading committee at the dissertation defence of **Kristina Ek**, Luleå University of Technology (Nov 2005). *PhD Thesis: “The economics of renewable energy support”*.

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**ORGANIZATION  
OF ACADEMIC  
CONFERENCES**

**CONFERENCE ORGANIZATION**

International Joseph A. Schumpeter Conference 2024, Gothenburg  
*Member of scientific committee (incl. review of abstracts)*

7th European Conference on Corporate R&D and Innovation (Concordi):  
“Industrial innovation for transformation”, 2019  
*Member of scientific committee (incl. review of extended abstracts)*

International Sustainability Transitions (IST) Conference 2017, Gothenburg  
*Member of scientific committee (incl. review of abstracts and session chairing)*

R&D Management Conference 2011, Norrköping  
*Member of scientific committee (incl. review of abstracts)*

**CONFERENCE TRACK/SESSION ORGANIZATION**

EU-SPRI Conference 2021, Oslo (digital)  
*Organization of track on “Systems approaches for understanding and assessing the impact of directionality in challenge-led policy” together with Mathijs Janssen and Joeri Wesseling (both at Utrecht University)*

International Sustainability Transitions (IST) Conference 2019, Ottawa  
*Organization of dialogue session on “Sectorial configurations in sustainability*

transitions" with Christian Binz (Eawag), Tobias Schmidt (ETH) and Bernhard Truffer (Eawag)

#### **OTHER CONFERENCE ORGANIZATION TASKS**

International Joseph A. Schumpeter Conference 2024, Gothenburg

Member of jury appointing the junior scholar award for best poster and extended abstract.

International Sustainability Transitions (IST) Conference 2019, Ottawa.

Reviewer of papers nominated for the "best paper" award and member of jury awarding the "best poster" prize.

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#### **EXTERNAL ACADEMIC COMMISSIONS OF TRUST**

**MEMBER OF THE INTERNATIONAL ADVISORY BOARD OF CIRCLE (LUND UNIVERSITY).**

2019 – present

**MEMBER OF THE BOARD OF THE SWEDISH WIND POWER TECHNOLOGY CENTRE,  
CHALMERS UNIVERSITY OF TECHNOLOGY**

2016-2018

**MEMBER OF THE BOARD OF PROCESS INDUSTRIAL CENTRE LINKÖPING (PIC-LI)**

2010-2014

**MEMBER OF THE BOARD OF MANAGEMENT OF THE INTERNATIONAL JOSEPH A.  
SCHUMPETER SOCIETY**

2010-2014

**EQUAL OPPORTUNITIES REPRESENTATIVE, SCHOOL OF MANAGEMENT OF TECHNOLOGY,  
CHALMERS**

2000-2001

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#### **EDITORSHIP AND REVIEWING**

**RECEIVING EDITOR OF RESEARCH POLICY**

2020 – present

**ASSOCIATE EDITOR OF RESEARCH POLICY**

2014-2019

**REVIEWER FOR SCIENTIFIC JOURNALS**

2003 – present

Frequent reviewer for *Research Policy*, *Environmental Innovation and Societal Transitions*, *Energy Policy*, and *Technological Forecasting and Social Change* (1-2 articles per year for each on average).

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### **PEDAGOGICAL QUALIFICATIONS**

#### **PEDAGOGICAL PROFILE**

I have been active as a teacher in higher education for 25 years, at undergraduate, graduate and doctoral level and in the areas of entrepreneurship and business planning, innovation management and product development, stakeholder management, and innovation and transitions studies. I have participated in the development of new and existing courses, planned courses, carried out various types of teaching (e.g. lectures, seminars, workshops and tutoring), conducted various types of examination (e.g. exams,

projects, case assignments, essays, reflection documents, master theses) and done follow-ups of courses through different kinds of course evaluations. I have also experience of pedagogical leadership and development at the program and faculty level and have participated in education assessments in Sweden and abroad.

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PEDAGOGICAL  
EDUCATION AND  
COMPETENCE  
DEVELOPMENT

**RESEARCH SUPERVISION COURSES AND SEMINARS**

“Handledarforum”, Chalmers (competence development) (2022)

“Me as supervisor”, Chalmers (competence development) (2017)

“Research supervision”, Linköping University, 3 ECTS (2004)

**HIGHER EDUCATION COURSES**

“Learning, teaching and knowledge”, 6 ECTS, Linköping University (2004)

“Supervision pedagogics”, 4.5 ECTS, Chalmers (1998/99)

“Teaching, learning and presentation techniques”, 3 ECTS, Chalmers (1997)

“Theory of science”, 4.5 ECTS, Chalmers (1996)

**HIGHER EDUCATION SEMINARS**

“AI Examination”, seminar 2 h, Chalmers (December 2023)

“Assessment for learning practices”, seminar with Dr Graham Hendry, 3 h, Linköping University (May 2015)

CDIO seminars on examination, 3 x 4 h, Linköping University (2009)

Seminars on gender aspects in teaching, ca 8 h plus own observation study (ca 8 h), Linköping University (2007)

ESBRI workshop on Entrepreneurship and learning, Stockholm, 1.5 days + preparations (2006)

Seminars on gender aspects in teaching, ca 4 h, Linköping University (2004)

ESBRI workshop on Entrepreneurship and learning, Stockholm, 1.5 days + preparations (2003)

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PEDAGOGICAL  
ACTIVITIES  
(LAST 5 YEARS)

**GRADUATE LEVEL (AVANCERAD NIVÅ)**

One of three main lecturers and seminar leaders in master level course *Economics of Innovation/Innovation and Industry Dynamics* (7.5 ECTS credits, ca 60 students). Chalmers University of Technology (2021- ).

Course leader, main lecturer and seminar leader in master-level course *Innovation systems and sociotechnical transitions* (7.5 ECTS credits, 20-60 students), Chalmers University of Technology (2020- ).

Course leader and main lecturer in master-level course *Managing stakeholders for sustainable development* (7.5 ECTS credits, 50-70 students), Chalmers University of Technology (2017-2019).

**DOCTORAL LEVEL**

One of two main lecturers in PhD course *Dissertation analysis*, Chalmers University of Technology (2024).

Lecturer and seminar leader on system perspectives on innovation, PhD course *Roots and branches*, Chalmers University of Technology (2022).

Lecturer on impact evaluation of transformative innovation policy in PhD course (online), Utrecht University (2021).

Seminar leader, reading course *Transformative Innovation Policy*, Chalmers University of Technology (2019).

Lecture on technological innovation systems in national PhD course *Perspectives on Energy Systems*, Gothenburg University (2019).

Lecture on technological innovation systems in PhD course *Roots and branches*, Chalmers University of Technology (2019).

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**COURSE  
DEVELOPMENT**

**UNDERGRADUATE LEVEL (GRUNDNIVÅ)**

Redesign of course *Entrepreneurship and New Business Development* (6 ECTS credits) for various engineering programmes at Linköping University (with two colleagues at LiU) (2008).

Development of new course *Basic Entrepreneurship and Idea Feasibility Analysis* (6 ECTS credits) for various engineering programmes at Linköping University (with two colleagues at LiU) (2008).

Development of new course *Tourism and entrepreneurship* for the BSc program in Tourism development, Linköping University (2007).

**GRADUATE LEVEL (AVANCERAD NIVÅ)**

Development of new course *Economics of Innovation* (now: *Innovation and industry dynamics*) (7.5 ECTS credits) for the Management and economics of innovation (MEI) master's programme, Chalmers University of Technology (with two colleagues at Chalmers) (2021)

Development of new course *Innovation systems and sociotechnical transitions* (7.5 ECTS credits) for the Management and economics of innovation (MEI) master's programme, Chalmers University of Technology (2020).

Redesign of course *Managing stakeholders for sustainable development* (7.5 ECTS credits) for the Industrial ecology master's programme, Chalmers University of Technology (2018 & 2019)

Development of new course *Innovation management* (6 ECTS credits) for the Design & product development, Energy, environment & management, and Industrial engineering & management engineering programmes, Linköping University (with two colleagues at LiU) (2013).

Development of new course *Innovative entrepreneurship* (6 ECTS credits) for the Design & product development, Energy, environment & management, and Industrial engineering & management engineering programmes, Linköping University (with a colleague at LiU) (2008).

Development of new course *Product development and innovation management* (12 ECTS credits) for the Innovation and product development master's programme, Linköping University (with colleagues at LiU) (2007).

Redesign of three entrepreneurship courses for several different programs.  
Linköping University (2003).

**DOCTORAL LEVEL (FORSKARNIVÅ)**

PhD course *Dissertation analysis* (with a colleague at Chalmers) (2023)

Reading course *Transformative Innovation Policy*, Chalmers (with a colleague at Chalmers) (2019).

PhD course *Innovation Management*, Linköping University & Chalmers (with a former colleague at Linköping University) (2017).

PhD course *Writing a cover paper for a licentiate (or doctoral) thesis*, Linköping University (with colleagues at Linköping University) (2014).

PhD course *Classics in innovation and entrepreneurship*, Linköping University (with colleagues at Linköping University) (2013).

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PEDAGOGICAL  
LEADERSHIP

**MEMBER OF BSC/MSC PROGRAMME ASSESSMENT PANEL CLUSTER INNOVATION SCIENCES, THE NETHERLANDS (VRIJE UNIVERSITEIT AMSTERDAM, UTRECHT UNIVERSITEIT AND EINDHOVEN UNIVERSITY OF TECHNOLOGY)**

2017

**ASSOCIATE AND VICE DEAN, FACULTY OF SCIENCE AND ENGINEERING, LINKÖPING UNIVERSITY**

2012-2016

**VICE CHAIR OF THE BOARD OF DIDACTICUM (LINKÖPING UNIVERSITY'S CENTRE FOR PEDAGOGY EDUCATION)**

2014-2016

**MEMBER OF LINKÖPING UNIVERSITY'S EDUCATION QUALITY COMMITTEE (REPRESENTING THE FACULTY OF SCIENCE AND ENGINEERING)**

2012-2016

**MEMBER OF LINKÖPING UNIVERSITY'S GROUP FOR EQUAL OPPORTUNITIES IN EDUCATION (REPRESENTING THE FACULTY OF SCIENCE AND ENGINEERING)**

2012-2016

**MEMBER OF THE STEERING COMMITTEE OF THE LISAM PROJECT (DEVELOPMENT OF A NEW LEARNING PLATFORM FOR LINKÖPING UNIVERSITY)**

2012-2013

**MEMBER OF THE PROGRAM BOARD FOR INDUSTRIAL ENGINEERING & MANAGEMENT AND LOGISTICS, FACULTY OF SCIENCE AND ENGINEERING, LINKÖPING UNIVERSITY**

2007-2009

**PH.D. STUDENT REPRESENTATIVE IN THE PH.D. EDUCATION COMMITTEE, CHALMERS**

1997/98

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COLLABORATION AND UTILIZATION

## COLLABORATION & UTILIZATION PROFILE

My research is mainly relevant for policy makers and civil servants at government agencies, for example innovation agencies, energy agencies and regional development agencies, and I have devoted quite some time to developing analytical frameworks, manuals, and education for such actors. Throughout my career, I have maintained an especially close relationship with the Swedish innovation agency Vinnova and the Swedish Energy Agency, as evidenced by several commissioned and collaborative projects and a number of societal commissions of trust. I have also had some collaboration with industry, mainly in the form of executive education and some minor assignments as a consultant.

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## COMMISSIONED & COLLABORATIVE PROJECTS

### SVENSK FORSKNINGS- OCH INTERAKTIONSPLOTTFORM FÖR SYSTEMINNOVATION: EN FÖRSTUDIE (SIRI) (2023)

Pre-study commissioned by the Swedish Innovation Agency Vinnova for the development of a research agenda and an interaction platform on system innovation.

**Project team:** Markus Grillitsch (project manager), Emily Wise and Mats Benner (Lund University), Harald Rohrer (Linköping University), Anders Broström (Swedish Entrepreneurship Forum), and Anna Bergek (Chalmers).

**Project report:** *Swedish platform for System Innovation Research in Interaction Feasibility Study: Final Report* (submitted to Vinnova in October 2023).

### STATENS ROLL I OMSTÄLLNINGEN TILL EN KLIMATNEUTRAL PROCESSINDUSTRI (2017-2019)

Research project commissioned by the Swedish Energy Agency (led by RISE) including theory development, historical case studies and empirical analysis of four process industries in Sweden.

**Project team:** Kersti Karltorp (project manager), Jesse Fahnestock & Johanna Ulmanen (RISE), and Anna Bergek & Hans Hellsmark (Chalmers).

**Project report:** Karltorp et al. (2019): *Statens roll för klimatomställning i processindustrin: Utmaningar och möjligheter för socioteknisk omställning i svensk industri för framställning av järn- och stål, cement, raffinaderiprodukter och kemikalier*. RISE Report 2019:15.

### ANALYS INOM TEKNOLOGISKA INNOVATIONSSYSTEM (TIS) (2013-2014)

Research project commissioned by the Swedish Energy Agency including the development of guidelines for technological innovation system analysis (led by SP Sveriges Tekniska Forskningsinstitut AB).

**Project team:** Hans Hellsmark, Johanna Mossberg & Johanna Ulmanen (SP), Staffan Jacobsson, Björn Sandén, Eugenia Perez Vico, Anneli Kamb, Duncan Kushnir & John Andersson (Chalmers), Anna Bergek, Thomas Magnusson & Christian Berggren (Linköping University), Tomas Hellström (Lund University), Ulf Malmquist, Andreas Gustafsson, Linus Hammar, Magnus Henke, Anders Holmgren, Susanne Karlsson, Jonas Lindmark & Fredrik Walla (Swedish Energy Agency), and Fredrik Dolff (Västra Götaland Region).

**Project report:** Hellsmark et al. (2014): *Teknologiska innovationssystem inom energiområdet: En praktisk vägledning till identifiering av systemsvagheter som motiverar särskilda politiska åtaganden*. ER 2014:23, Swedish Energy Agency, Eskilstuna.

**ASSESSMENT OF THE ELECTRICITY CERTIFICATE SYSTEM'S INFLUENCE ON THE FUNCTIONALITY OF THE SWEDISH INNOVATION SYSTEMS FOR RENEWABLE ENERGY TECHNOLOGY (2004)**

Research project commissioned by the Swedish Energy Agency.

**Project report:** Bergeck (2004): *Elcertifikatsystemet och innovationssystemen inom förnybar energiteknik*. Mimeo, Department of Management and Economics, Linköping University, Linköping.

**EXPERIMENTAL APPLICATION OF 'FUNCTIONAL ANALYSIS' AS A TOOL TO IDENTIFY POLICY PROBLEMS AND TO EVALUATE DIFFERENT POLICY MEASURES (2004-2005)**

Research project commissioned by Vinnova including the development of a manual for functional innovation system analysis and an analysis of the Swedish innovation system for bio-composites.

**Project team:** Staffan Jacobsson & Sven Lindmark (Chalmers), Anna Bergeck (Linköping University), Bo Carlsson (Case Western Reserve University), and Annika Rickne (Lund University).

**Project report:** Bergeck et al. (2005): *Analysing the dynamics and functionality of sectoral innovation systems*, report to Vinnova, Mimeo, Chalmers University of Technology, Gothenburg.

**CONSULTANT FOR THE SWEDISH ENERGY AGENCY (2001)**

Commissioned advice on to the promotion of alternative vehicle fuels.

**CONSULTANT FOR INDUSTRY (1999)**

Strategy development for firms and industry organisations in the renewable energy area.

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SOCIETAL  
COMMISSIONS OF  
TRUST

**MEMBER OF THE ACADEMIC REFERENCE GROUP FOR THE EVALUATION OF VINNOVA'S CHALLENGE-DRIVEN INNOVATION (UDI) PROGRAM (RAMBÖLL)**

2020 – present

**MEMBER OF THE ACADEMIC REFERENCE GROUP FOR THE EVALUATION OF THE SWEDISH STRATEGIC INNOVATION PROGRAMS (SIPS) (TECHNOPOLIS)**

2019 – present

**MEMBER OF THE SWEDISH ENERGY AGENCY'S ENERGY RESEARCH AND DEVELOPMENT BOARD (ENERGIUTVECKLINGSNÄMNDEN) (APPOINTED BY THE SWEDISH GOVERNMENT)**

2018 – 2021

**MEMBER OF THE SWEDISH ENERGY AGENCY'S DEVELOPMENT PLATFORM "SYSTEM" (UP SYSTEM)**

2014-2016

**MEMBER OF THE SWEDISH ENERGY AGENCY'S REFERENCE GROUP FOR HORIZON 2020**

2014-2016

**MEMBER OF THE BOARD OF THE SWEDISH WIND ENERGY RESEARCH PROGRAMME (VINDFORSK)**

2006-2008

**MEMBER OF THE REFERENCE GROUP OF AN EVALUATION OF THE SWEDISH WIND POWER SUPPORT, THE EXPERT GROUP OF ENVIRONMENTAL STUDIES, MINISTRY OF FINANCE**

2005-2006

**MEMBER OF REFERENCE GROUP FOR AN EVALUATION OF THE SWEDISH LOCAL INVESTMENT PROGRAMME (LIP)**

2004

**MEMBER OF THE LONGTERM PANEL IN IVA'S ENERGY FORESIGHT PROJECT**

2001-2003

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**EXECUTIVE  
EDUCATION**

**TRANSFORMATIV INNOVATIONSPOLITIK I PRAKTIKEN (TRANSFORMATIVE INNOVATION POLICY IN PRACTICE) (2021/22, 2023, 2024)**

Education for employees at regional and national public agencies provided by Chalmers Initiative for Innovation and Sustainability Transitions (CIIST).  
*My role: Development of overall course concept (with colleagues at Chalmers), development and delivery of a session on evaluation, participation in other sessions and project coaching.*

**INNOVATIONSLEDARE I STATEN (INNOVATION MANAGERS IN THE PUBLIC SECTOR) (2021)**

Education for civil servants at national public agencies in the transport sector provided by a consultant firm on behalf of eight Swedish government agencies.  
*My role: Development and delivery of an interactive lecture on system perspectives on innovation management (provided online due to illness).*

**ENTREPRENEURSHIP PROGRAM (ENP) (2009-2012)**

Workshops on idea feasibility analysis in various versions of the program, which was provided by the Centre for Innovation and Entrepreneurship (CIE) at Linköping University (e.g. ENP Gröna Näringar and a competence development program for Saab Trollhättan).  
*My role: Development of a workshop concept, workshop material development, workshop leadership and evaluation (all together with a colleague).*

**PROJECT MANAGEMENT EXECUTIVE (PMEX) PROGRAM (2007 & 2008)**

Seminars on R&D collaboration/open innovation.  
*My role: Development of a seminar outline (together with a colleague); design of teaching and learning activities for my sub-topics, seminar leader.*

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**CONFERENCES,  
SEMINARS AND  
WORKSHOPS WITH  
NON-ACADEMIC  
STAKEHOLDERS  
(SELECTION)**

**PRESENTATIONS/ACTIVE PARTICIPATION AT CONFERENCES AND SEMINARS**

JRC Working Group on System Dynamics for System Innovation (online), February 2024: Keynote on the diffusion of energy technology in a meeting with participants from national and international policy organizations (e.g. Vinnova, the European Commission and OECD).

*The European Commission's Joint Research Centre (JRC) provides independent, evidence-based science and knowledge, supporting EU policies to positively impact society.*

RegLab's evaluation network (online), May 2023: Presentation and discussion about evaluation of complex processes.

*RegLab is a forum for learning about regional development, which includes the 21 Swedish regions, the Swedish Innovation Agency Vinnova and the Swedish Agency for Economic and Regional Growth.*

Vinnova (online), January 2023: Discussant at policy seminar “Framtidens gruva – systemomställning i samspel mellan näringsliv och innovationspolicy” (“The mine of the future – system transition in collaboration between industry and innovation policy”

Vinnova (online), October 2022: Discussant at policy seminar “Innovationers dolda värden – För bättre sätt att mäta innovationers värdeskapande” (“The hidden value of innovations – for better ways of measuring the value creation of innovations”) <https://www.youtube.com/watch?v=CJ-6XQINrrg>

Research Institute of Industrial Economics (IFN), Stockholm, August 2022: Participation in panel discussion at the policy seminar “The return of innovation policy”

Chalmers Energy Industry Day, Gothenburg, June 2018: Introduction to the theme “How fast can transitions be?”

Swedish Hydro Power Association (SVAF), Linköping, April 2015: Presentation of study of non-traditional investors in renewable electricity production.

Tillväxtanalys/Vinnova, Stockholm, March 2012: Presentation of the technological innovation systems perspective on policy,

Swedish Energy Agency, Eskilstuna, August 2005: Presentation of work on functional analysis of innovation systems.

SVEBIO (the Swedish Bioenergy Association), Skokloster, September 2003: Presentation of the results of the Commission on Long-term Energy Research.

Göteborgs Energi’s “Sommardagar”, Gothenburg, August 2001: Presentation of research project.

EnergiRådgivarnas TeknikDagar, Karlstad, November 2000: Research presentation and debate participation.

#### **WORKSHOPS**

Workshop about the direction of the next-generation Swedish strategic innovation programmes, organized by Vinnova, the Swedish Energy Agency and Formas, Gothenburg, 2022.

Workshop with Göteborg Energi, organized by Chalmers Area of Advance, April 2022.

Workshop/meeting on evaluation of transformative innovation policy, Vinnova, Stockholm, April 2022.

Workshop on transformative innovation policy, Vinnova, Stockholm, May 2019: Presentation about the role of intermediaries in transformative change.

Workshop on functional analysis of sectoral innovation systems, Vinnova, Stockholm, September 2009: workshop leader.

Workshop on new investors in renewable electricity production, Swedish Energy Agency, Eskilstuna, February 2013: workshop leader.

Expert workshop on renewable energy as future growth industry by consultant firm Grufman Reje, Augusti 2002: workshop participant.

PUBLICATIONS IN  
NON-SCIENTIFIC  
JOURNALS AND  
MAGAZINES

**POPULAR SCIENCE PUBLICATIONS**

**Bergek, A.** (2002): Varför går det så långsamt med förnybar energiteknik? ("Why is the development of the field of renewable energy technology so slow?") *Management of Technology*, No. 2, 2002, pp. 12-13 (in Swedish).

**Johnson, A.** & Jacobsson, S. (2001): Vad gick fel i den svenska vindkraftssatsningen, och vad kan vi göra åt det? ("What went wrong in the Swedish efforts to develop wind power technology and what can be done about it?"), *Mekanisten*, No. 12, 2001 (in Swedish).

**Johnson, A.** & Jacobsson, S. (2000): Teknik för utnyttjande av förnybara energikällor – en tillväxtindustri? ("Renewable Energy Technology: A New Growth Industry?") *Miljö&Hälsa*, No. 1, 2000 (in Swedish).

**Johnson, A.** (1999): Förnybara energikällor – en ny svensk tillväxtindustri? ("Renewable Energy Technology: A New Swedish Growth Industry?"), *Management of Technology*, No. 3, 1999, pp. 3-10 (in Swedish).

**DEBATE ARTICLES**

Hellsmark, H., Andersson, J., **Bergek, A.**, Hedeler, B., Johnsson, F., Karltorp, K., Perez Vico, E., Rootzén, J., Sandén, B. & Söderholm, P. (2022): [Marknadskrafter räcker inte mot klimatförändringarna](#), DN Debatt Repliker, 25 april 2022 (in Swedish).

Karltorp, K., **Bergek, A.**, Berntsson, T., Hellsmark, H., Fahnestock, J., Sandén, B. & Ulmanen, J. (2019): [Forskare: Mer behövs om industrin ska nå nollutsläpp till 2045](#), *Altinget Miljö & Energi*, 1 oktober 2019 (in Swedish).

Karltorp, K., **Bergek, A.**, Hellsmark, H., Fahnestock, J., Sandén, B., Ulmanen, J. (2019): Staten behöver ta på sig den gula ledartröjan om industrin ska nå nollutsläpp till 2045, *Energivärlden* 2019-11-11 (in Swedish).

## JOURNAL ARTICLES

**Bergek, A.** & Palm, J. (2024): Energy communities in Sweden: Challenging established ideas of aim, place and engagement, *Energy Research & Social Science* 115, 103626. <https://doi.org/10.1016/j.erss.2024.103626> [Equal author contributions in idea development and writing; Bergek did most of the empirical work.]

Altunay, M. & **Bergek, A.** (2023): Interaction between energy incumbents and solar entrants: Relationship status complicated, *Environmental Innovation and Societal Transitions* 46, 100695. <https://doi.org/10.1016/j.eist.2023.100695> [Lead author: Altunay] [Scopus/WoS; AJG: n/a; SNIP: ----(8<sup>th</sup> percentile)]

**Bergek, A.**, Hellsmark, H. & Karltorp, K. (2023): Directionality challenges for transformative innovation policy: lessons from implementing climate goals in the process industry, *Industry and Innovation* 20, 1110-1139. <http://dx.doi.org/10.1080/13662716.2022.2163882> [Equal author contributions] [Scopus/WoS; AJG: 3; SNIP: --- (12<sup>th</sup> percentile)]

**Bergek, A.**, Hansen, T., Hanson, J., Mäkitie, T. & Steen, M. (2023): Complexity challenges for transition policy: lessons from coastal shipping in Norway (policy brief), *Environmental Innovation and Societal Transition* 46, 100687. <https://doi.org/10.1016/j.eist.2022.100687> [Equal author contributions] [Scopus/WoS; AJG: n/a; SNIP: --- (8<sup>th</sup> percentile)]

Haddad, C.R., **Bergek, A.** (2023): Towards an integrated framework for evaluating transformative innovation policy, *Research Policy* 52, 104676. <https://doi.org/10.1016/j.respol.2022.104676> [Equal author contributions in idea development and conceptualization; Haddad wrote larger parts of the manuscript and developed the empirical illustration] [Scopus/WoS; AJG 2021: 4\*; SNIP: --- (2<sup>nd</sup> percentile)]

Haddad, C. R., Nakić, V., **Bergek, A.** & Hellsmark, H. (2022): Transformative innovation policy: a systematic review, *Environmental Innovation and Sustainability Transitions* 43, 14-40. <https://doi.org/10.1016/j.eist.2022.03.002> [Equal author contributions in analysis and writing; Haddad & Nakić took lead on initial literature review] [Scopus/WoS; AJG: n/a; SNIP: 1,86 (8<sup>th</sup> percentile)]

Janssen, M. J., **Bergek, A.**, Wesseling, J. H. (2022): Evaluating systemic innovation and transition programmes: Towards a culture of learning, *PLOS Sustainability and Transformation* 1, e0000008. <https://doi.org/10.1371/journal.pstr.0000008> [First author: Janssen. Equal author contributions by Bergek & Wesseling] [AJG: n/a; SNIP: n/a]

Ulmanen, J., **Bergek, A.** & Hellsmark, H. (2022): Lost in translation: challenges in creating new transformative innovation policy practices, *PLOS Sustainability and Transformation* 1(10), e0000031. <https://doi.org/10.1371/journal.pstr.0000031> [First author: Ulmanen. Equal author contributions by Bergek & Hellsmark] [AJG: n/a; SNIP: n/a]

Altunay, M., **Bergek, A.** & Palm, A. (2021): Solar business model adoption by electricity incumbents: the importance of strategic fit, *Environmental Innovation and Sustainability Transitions* 40, 501-520. <https://doi.org/10.1016/j.eist.2021.10.013> [Equal author contributions by Altunay & Bergek] [Scopus/WoS; AJG: n/a; SNIP: 2.1 (6<sup>th</sup> percentile)]

- Bergek, A.**, Bjørgum, Ø, Hansen, T, Hanson, J. & Steen, M. (2021): Sustainability transitions in coastal shipping: The role of regime segmentation, *Transportation Research Interdisciplinary Perspectives* 12, 100497. <https://doi.org/10.1016/j.trip.2021.100497> [Equal author contributions] [Scopus; AJG: n/a; SNIP: 3.3 (2<sup>nd</sup> percentile)]
- Lazoroska, D., Palm, J. & **Bergek, A.** (2021): Perceptions of participation and the role of gender for the engagement in solar energy, *Energy, Sustainability & Society* 11, 35. <https://doi.org/10.1186/s13705-021-00312-6> [Scopus/WoS; AJG: n/a; SNIP: 1.3 (19<sup>th</sup> percentile)]
- Onufrey, K. & **Bergek, A.** (2021): Transformation in a mature industry: the role of business and innovation strategies, *Technovation* 105, 102190. <https://doi.org/10.1016/j.technovation.2020.102190> [Scopus/WoS; AJG 2021: 3; SNIP: 3.2 (2<sup>nd</sup> percentile)]
- Ulmanen, J. & **Bergek, A.** (2021): Influences of technological and sectoral contexts on technological innovation systems: the case of bio-succinate from mixed food waste in Sweden, *Environmental Innovation and Sustainability Transitions*, 40: 20-39. <https://doi.org/10.1016/j.eist.2021.04.007> [Scopus/WoS; AJG: n/a; SNIP: 2.1 (6<sup>th</sup> percentile)]
- Aspeteg, J. & **Bergek, A.** (2020): The value creation of diffusion intermediaries: brokering mechanisms and trade-offs in solar and wind power in Sweden, *Journal of Cleaner Production*, 251, 119640. <https://doi.org/10.1016/j.jclepro.2019.119640> [Equal author contributions] [Scopus/WoS; AJG 2021: 2; SNIP: 2.45 (4<sup>th</sup> percentile)]
- Bach, H., **Bergek, A.**, Bjørgum, Ø., Hansen, T, Kenzhegaliyeva, A. & Steen, M. (2020): Implementing maritime battery-electric and hydrogen solutions: a technological innovation systems analysis, *Transportation Research Part D: Transport and Environment*, 87, 102492. <https://doi.org/10.1016/j.trd.2020.102492> [One of two lead authors] [Scopus/WoS; AJG 2018/2021: 3; SNIP: 2.2 (5<sup>th</sup> percentile)]
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**Bergek, A.** & Berggren, C. (2003): Technological Internationalisation in the Electro-Technical Industry: A Cross-Company Comparison of Patenting Patterns 1986-2000, *What Do We Know About Innovation*, SPRU, 13-15 November 2003, Falmer (paper; prize-winning paper at the conference).

**Johnson, A.** (2001): Functions in Innovation System Approaches, *Nelson and Winter Conference*, June 2001, Aalborg ("electronic" paper).

**Johnson, A.** & Jacobsson, S. (2000): The Emergence of a growth industry – a comparative analysis of the German, Dutch and Swedish wind turbine industry, *Wind Power for the 21<sup>st</sup> Century*, 2000, Kassel (paper).

**Johnson, A.** & Jacobsson, S. (2000): Framväxten av en ny industri – jämförelser mellan den tyska, holländska och svenska vindkraftsindustrin ("The emergence of a new industry: A comparison of the German, Dutch and Swedish wind turbine industries"), *Vind 2000 Conference*, 2000, Göteborg (invited paper) (in Swedish).

**Johnson, A.** & Jacobsson, S. (1999): Inducement and Blocking Mechanisms in the Development of a New Industry: The Case of Renewable Energy Technology in Sweden, *Fifth ASEAT Conference*, 14-16 september, 1999, Manchester (paper).

**Johnson, A.** & Jacobsson, S. (2000): En tillväxtindustri på frammarsch – vindkraft i Sverige, Tyskland och Holland. ("A Growth Industry in motion: Wind power in Sweden, Germany and Holland"), *Energitinget 2000*, Eskilstuna (paper) (in Swedish).

**Johnson, A.** & Jacobsson, S. (1999): Teknik för utnyttjandet av förnybara energikällor – en ny svensk tillväxtindustri? ("Renewable Energy Technology: A New Swedish Growth Industry?"), *Energitinget 1999*, Eskilstuna (paper) (in Swedish).

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#### SCIENTIFIC PAPERS UNDER REVIEW OR REVISION

**Bergek, A.**: "The more the merrier? Attitudes to company co-ownership in Swedish solar energy communities", submitted to a scientific journal.

Boije af Gennäs Erre, E., Palm, J. & **Bergek, A.**: "Challenging the role of citizen engagement and proximity in energy communities: the case of solar PV in Sweden", submitted to a scientific journal.

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#### WORKING PAPERS

Bergek, A. & Palm, J.: Challenging the ideal energy community: member views on place, engagement and aim.

**Bergek, A.** & Mignon, I.: "Innovation intermediaries: towards a better understanding of key concepts".

**Bergek, A.** & Aspeteg, J.: "When is a diffusion intermediary an intermediary? The intermediation activities of solar and wind power project developers in Sweden."

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#### WORKING PAPERS

**Johnson, A.** (1998): "Functions in Innovation System Approaches". Mimeo. Department of Industrial Dynamics, Chalmers University of Technology, Göteborg.

### LIST OF PRESENTATIONS

#### INTERNATIONAL CONFERENCES

IST conference, Utrecht, September 2023: Speed talk presentation of a research paper on attitudes to company co-ownership in energy communities.

DRUID conference, Copenhagen, June 2022: Participation in a DRUID debate (with Frank Geels, Suma Athreye and Erik Stam)

IST conference, Ottawa, June 2019: Presentation of a research paper on the relationship between business and innovation strategies in the pulp and paper industry.

IST conference, Manchester, June 2018: Presentation of a research paper on sustainability transition in the Norwegian maritime sector.

SPRU50 Conference, Brighton, September 2016: Presentation of a research paper on diffusion intermediaries in Sweden.

DRUID Conference, Copenhagen, June 2016: Presentation of a research paper on exploitation for innovation in the Swedish pulp and paper industry.

International Joseph A. Schumpeter Society Conference, Jena, July 2014: Presentation of a research paper on the dynamics of industry relatedness.

Elsevier Energy Systems conference, London, June 2014: Poster presentation of a study of pre-implementation concerns regarding the Norwegian-Swedish tradable green certificate system.

RERC conference, Oslo, June 2014: Presentation of a study of pre-implementation concerns regarding the Norwegian-Swedish tradable green certificate system.

Lundvall symposium, Aalborg, March 2014: Presentation of research paper on innovation policy from a technology dynamics point of view.

IST conference, Copenhagen, August 2012: Presentation of two research papers, one on policy for environmental innovation and one on the functions of technological innovation systems framework.

R&D Management Conference, Norrköping, June 2011: Research paper presentation.

Technical Change: History, Economics and policy: A Conference in Honour of Nick von Tunzelmann, SPRU, Falmer, March 2010: Research paper presentation.

High Technology Small Firms conference, Manchester, May 2009: Research paper presentation.

Vision ERA-Net conference on open innovation, Stockholm, April 2008: Research paper presentation.

DRUID Tenth Anniversary Summer Conference 2005, Copenhagen, June 2005: Research paper presentation.

Babson-Kauffman Entrepreneurship Research Conference, Boston, June 2005: Research paper presentation and Poster exhibition

International J. A. Schumpeter Society 10<sup>th</sup> ISS Conference, Milano, 9-12 June 2004: Research paper presentation.

What Do We Know About Innovation?, SPRU, Sussex, November 2003: Research paper presentation.

ICSB World Conference, Brisbane, June 2000: Research paper presentation (invited speaker).

ASEAT Conference, Manchester, 1999: Research paper presentation

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**ACADEMIC  
SEMINARS &  
WORKSHOPS**

Seminar at Chalmers, Gothenburg, February 2024: Presentation of research paper on energy communities (with Jenny Palm, Lund University).

Seminar on energy communities, Stockholm, November 2023: Presentation of a research paper on attitudes to company co-ownership in solar communities.

Seminar at Uppsala University, September 2023: Overview of own research on translation of transformative innovation policy into policy practice.

Seminar at LUT University, Lappeenranta, April 2023: Presentation of a research paper on attitudes to company co-ownership in solar communities.

Seminar on energy communities, Stockholm, March 2023: Presentation of a research paper on attitudes to company co-ownership in solar communities.

Chris Freeman Centenary Lecture Series: "Bengt Åke Lundvall in conversation with Jan Fagerberg", online, June 2022: participation in panel discussion (invited panelist).

Intermediaries in transitions (TRIPOD workshop), Helsinki, April 2019: Presentation of a research paper on the roles of diffusion intermediaries.

Jan Fagerberg's retirement seminar, Oslo, September 2018: Presentation on "Transformative Innovation Policy" (invited speaker).

TRIPOD project start-up meeting, Helsinki, March 2016: Presentation of a study of diffusion intermediaries.

Seminar at Institute for Economy and the Environment, University of St Gallen, March 2015: Presentation of the results of the NyEl research project.

Open Seminar at TIK, Oslo University, Oslo, October 2011: Presentation of a study of new investors in renewable electricity production in Sweden.

Seminar at TIK, Oslo University, Oslo, May 2010: Presentation of an assessment of the Swedish tradable green certificates system.

Workshop on Technological Innovation Systems, Zürich, April 2010: Presentation of discussion paper.

DIME Workshop on Environmental Innovation, Industrial Dynamics and Entrepreneurship, Utrecht, May 2009: Research paper presentation.

Workshop "Analysing Innovation Networks for Sustainable Energy Technologies", Graz November 2008: Presentation of work on technological innovation systems (invited speaker).

KITE Advanced R&D Management workshop "Integrating Knowledge: A challenge for R&D Management", Linköping, September 2008: Research paper presentation.

TIPS workshop Progressing towards a sustainable electricity system?, Berlin, 27-28 November 2007: presentation of the functions approach to innovation systems framework (invited speaker).

Seminar at SERC, Dalarna University, Borlänge, November 2006: Research paper presentation

Seminar at the division of Environmental Systems Analysis, Chalmers University of Technology, Göteborg, April 2006: Research paper presentation.

"Higher seminar", Department of Management and Economics, Linköping University, February 2006: Research paper presentation.

International workshop on “functions in innovation systems”, Utrecht, June 2004: Presentation of my work on functional analysis of innovation system (invited keynote speaker)

Seminar, IIB, Stockholm Business School, Stockholm, April 2003: Discussion on patent analysis.

Seminar, Department of Environmental and Energy Systems, Lund University, December 2000: Research paper presentation.

Seminar, Department of Technology Management, University of Eindhoven, Netherlands, 1999: Research paper presentation.

Seminar, Energy Group, SPRU, Falmer, 1999: Research paper presentation.

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## NON-ACADEMIC PRESENTATIONS

GReaTr workshop, Malmö, May 2023: Presentation of reflections on the theoretical and practical challenges of transformative innovation policy evaluation for researchers and policy practitioners.

Seminar on different form of jointly owned solar parks, Omställning Kungälv, Kungälv, April 2023: Presentation about business models for larger solar parks and economic models for share-owned solar communities.

Workshop on transformative innovation policy, Vinnova, Stockholm, May 2019: Presentation about the role of intermediaries in transformative change.

Swedish seminar on radical reduction of climate gas emissions in the process industry, Stockholm, November 2018: Presentation on transformative innovation policy.

Chalmers Energy Industry Day, Göteborg, June 2018: Introduction to the theme “How fast can transitions be?”

Swedish Hydro Power Association (SVAF), Linköping, April 2015: Presentation of study of non-traditional investors in renewable electricity production in Sweden.

Swedish Energy Agency, Eskilstuna, March 2014: Presentation of framework for analysis of technological innovation systems.

Workshop Swedish National Energy Agency, Eskilstuna, February 2013: Workshop about new investors in renewable electricity production.

Seminar, Tillväxtanalys/VINNOVA, Stockholm, March 2012: Presentation of the technological innovation systems perspective on policy.

Workshop, VINNOVA, Stockholm, September 2009: Seminar leader in a workshop on functional analysis of sectoral innovation systems.

Seminar, Swedish National Energy Agency, Eskilstuna, August 2005: Presentation of work on functional analysis of innovation systems and research on renewable electricity technologies and renewable vehicle fuels (invited speaker)

Seminar, VINNOVA, Stockholm, April 2005: Presentation of work on functional analysis of innovation systems

Research Programme Conference, AES Programme, Sollentuna, November 2004:  
Presentation of the research project "Policy Challenges and Options in the  
Transformation of the (Swedish) Electricity and Transport Sectors"

Ener Forum 5, Bukarest, October 2003: Paper presentation "Policy Challenges in the  
Transformation of the Energy Sector" (invited speaker)

Seminar, SVEBIO (the Swedish Bioenergy Association), Skokloster, September 2003:  
Presentation of the results of the Commission on Long-term Energy Research (invited  
speaker)

Seminar, Swedish National Energy Agency, Eskilstuna, Maj 2003: Research presentation  
(invited speaker)

Sveriges Energiting 2003, Eskilstuna, March 2003: Research presentation (invited  
speaker)

Göteborgs Energis "Sommardagar", Göteborg, augusti 2001: Presentation of research  
project etc. (invited speaker)

Seminar, (Vänsterpartiets miljöseminarium), Visby, July 2001: Research presentation  
(invited speaker)

Seminar "That's why EU needs an energy policy", Stockholm, April 2001: Presentation  
(invited speaker)

EnergiRådgivarnas TeknikDagar, Karlstad, November 2000: Research presentation and  
debate participation (invited speaker)

Seminarium "Solceller – nya förutsättningar" (Solar cells – new conditions), Stockholm,  
May 2000: Research presentation (invited speaker)

Sveriges Energiting, Eskilstuna, March 2000: Paper presentation

Sveriges Energiting, Eskilstuna, March 1999: Paper presentation

Svenska solenergiföreningen (SEAS), Göteborg, 1998: Presentation of an analysis of the  
Swedish solar collector industry (invited speaker)

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