Klaus Skytte - DTU Orbit (14/12/2017)

Skytte, Klaus

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Department of Management Engineering - Head of Energy Economics and Regulation

Systems Analysis

Publications:

Decarbonising the Finnish Transport Sector by 2050: Electricity or Biofuels?
(Green Energy and Technology).
Publication: Research - peer-review › Book chapter – Annual report year: 2018

Barriers for district heating as a source of flexibility for the electricity system
Publication: Research - peer-review › Journal article – Annual report year: 2017

Barriers for flexibility between district heating and electricity
Skytte, K. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Design of grid tariffs in electricity systems with variable renewable energy and power to heat
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Economic and social aspects of wind integration - Intro to the sub-programme
Skytte, K. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Flexibility-friendly support policies: A Nordic and Baltic perspective
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Intraday market asymmetries — A Nordic example
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Market Prices in a Power Market with more than 50% Wind Power
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Regulatory barriers for activating flexibility in the Nordic-Baltic electricity market
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Smart grid Transitions: System solutions and consumer behaviour
Department of Management Engineering, Technical University of Denmark.
Publication: Research - peer-review › Report – Annual report year: 2017
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Use of electric vehicles or hydrogen in the Danish transport sector in 2050?: Use of electric vehicles or hydrogen Skytte, K., Pizarro Alonso, A. R. & Karlsson, K. B. 2017 In : Wiley Interdisciplinary Reviews : Energy and Environment. 6, 1, 11 p., e233
Publication: Research - peer-review › Journal article – Annual report year: 2016

Barriers for flexibility in the district heating-electricity interface Skytte, K. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Economic and social aspects of wind integration Skytte, K. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Publication: Research - peer-review › Journal article – Annual report year: 2016

Publication: Research - peer-review › Conference article – Annual report year: 2016

Flex4RES status Skytte, K. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Publication: Research › Report – Annual report year: 2016
Framework conditions for flexibility in the electricity sector in the Nordic and Baltic Countries: Flex4RES work package 2: Framework conditions, December 2016
Publication: Research - peer-review › Report – Annual report year: 2016

Long-term research challenges in wind energy – a research agenda by the European Academy of Wind Energy
Publication: Research - peer-review › Journal article – Annual report year: 2016

Nordic Energy Technology Perspectives 2016
Publication: Research › Report – Annual report year: 2016

Regulatory Barriers for Flexible Coupling of the Nordic Power and District Heating Markets
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Societal and Economic Aspects of Wind Energy
Publication: Research - peer-review › Book chapter – Annual report year: 2016

WP2: Framework conditions
Skytte, K. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Can diverging regulatory approaches hinder the deployment of renewable energy? The case of offshore wind in Europe
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Economic and social aspects of wind integration
Skytte, K. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Electric vehicles or use of hydrogen in the Norwegian transport sector in 2050?
Skytte, K. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Increased Integration of the Nordic and German Electricity Systems - Full Version: Modelling and Assessment of Economic and Climate Effects of Enhanced Electrical Interconnection and the Additional Deployment of Renewable Energies
Publication: Research › Report – Annual report year: 2015

Increased Integration of the Nordic and German Electricity Systems - Summary of Findings: Modelling and Assessment of Economic and Climate Effects of Enhanced Electrical Interconnection and the Additional Deployment of Renewable Energies
Publication: Research › Report – Annual report year: 2015
Integrated energy systems modelling
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Nordic Energy Technology Perspectives
Skytte, K. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Regulating wind farms in future offshore grids
Skytte, K. 2015
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Use of electric vehicles or hydrogen in the Danish transport sector
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Economic support mechanisms and design of markets
Skytte, K. 2014
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Electric vehicles or use of hydrogen in the Danish transport sector in 2050?
Skytte, K., Pizarro Alonso, A. R. & Karlsson, K. B. 2014
Publication: Research - peer-review › Paper – Annual report year: 2015

Electric vehicles or use of hydrogen in the Danish transport sector in 2050?
Skytte, K. 2014
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Regulating wind farms in meshed offshore grids
Skytte, K. 2014
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Economic, policy and regulatory barriers and solutions for integrating more DER in electricity supply. Phase 1
Publication: Research › Report – Annual report year: 2007

Energy supply technologies. Bioethanol for transport
Publication: Research - peer-review › Book chapter – Annual report year: 2007

Regulating Innovation and Innovating regulation
Publication: Research › Report – Annual report year: 2007

Regulatory review and barriers for the electricity supply system for distributed generation in the EU-15
Publication: Research - peer-review › Journal article – Annual report year: 2007
Visioner for dansk bioethanol
Publication: Research › Report – Annual report year: 2007

Assessment and recommendations. Overcoming in short-term grid system regulatory and other barriers to distributed generation
Publication: Research › Report – Annual report year: 2006

Electricity from biomass in the European Union - with or without biomass import
Skytte, K., Meibom, P. & Henriksen, T. C. 2006 In : Biomass & Bioenergy. 30, 5, p. 385-392
Publication: Research - peer-review › Journal article – Annual report year: 2006

Innovation economics and promotion of renewable energy
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Interplay between environmental regulation and power markets
Publication: Research - peer-review › Book – Annual report year: 2006

Legislation and regulation for DER in EU25
Skytte, K. & Ropenus, S. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Promotion of bio-ethanol technologies in the Nordic countries
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Regulatory framework for DER in EU25 - A comparison
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Regulatory review and international comparison of EU-15 member states
Publication: Research - peer-review › Report – Annual report year: 2006

Valuation of DR. Introduction and approaches
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Valuation of DR. Theoretical thoughts
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Vision for biofuels
Skytte, K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006
Fuel cell based micro CHP in households. Perspectives to contribute to the flexibility in the energy system (poster)
Sønderberg Petersen, L. & Larsen, H. (eds.). (Denmark. Forskningscenter Risoe. Risoe-R; No. 1517(EN)).
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Interaction between supply and end-use
Publication: Research - peer-review › Book chapter – Annual report year: 2005

Regulatory review and barriers for the electricity supply system for distributed generation in EU-15
Ropenus, S. & Skytte, K. 2005 Meeting the challenges of a reliable and sustainable power supply (CD-ROM). Amsterdam: FPS 2005 Organizing Committee
Publication: Research › Article in proceedings – Annual report year: 2005

Interactions between different support mechanisms
Skytte, K. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

Interactions between green support mechanisms at the European power market
Skytte, K. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

Interplay of environmental certificate markets and power markets
Skytte, K. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

Opnåelse af miljø- og vedvarende energimål på liberaliserede elmarkeder
Skytte, K. 2004 In: SØM Nyhedsbrev. 11, p. 4-6
Publication: Communication › Journal article – Annual report year: 2004

Promoting renewable energy technologies
Publication: Research › Article in proceedings – Annual report year: 2004

Renewable energy and emission trading in EU
Skytte, K. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

Støtte til vedvarende energi?
Publication: Research - peer-review › Book – Annual report year: 2004

What is demand response?
Togeby, M., Jensen, S. G. & Skytte, K. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

Brug af erfaringskurver
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003
Challenges for investment in renewable electricity in the European Union. Background report in the ADMIRE REBUS project
Publication: Research - peer-review › Report – Annual report year: 2003

Competition and market power in Northern Europe
Publication: Research - peer-review › Book chapter – Annual report year: 2003

Emission permits and green certificates
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Green certificates and emission trading
Publication: Research - peer-review › Journal article – Annual report year: 2003

Liberalisering af el-markedet og vedvarende energi
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003

Relevant markets in the Nordic area. Main report - market power on the Nordic power market - Subproject 1
Publication: Research - peer-review › Book – Annual report year: 2003

Renewable energy at liberalised power market
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003

Renewable energy at liberalised power markets
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003

Simultaneous attainment of energy goals by means of green certificates and emission permits
Publication: Research - peer-review › Journal article – Annual report year: 2003

Study of policies for supporting renewables
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003

The European green electricity markets in 2010
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

The UNEP Risø Centre - areas of work
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003
Towards a mature market for renewable electricity in the next decade?
Skytte, K. 2003
Publication: Research › Conference abstract for conference – Annual report year: 2003

Trading green electricity in 2010
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Energy research at Risø National Laboratory
Skytte, K. 2002
Publication: Research › Conference abstract for conference – Annual report year: 2002

Experience curves and development of renewable energy technologies in Denmark
Skytte, K. 2002
Publication: Research › Conference abstract for conference – Annual report year: 2002

Experience curves, renewable energy technologies and energy policy in Denmark
Aberdeen: IAEE
Publication: Research › Article in proceedings – Annual report year: 2002

Grønne sertifikater - design og funksjon
Publication: Research › Report – Annual report year: 2002

Harmonisation of green electricity in EU countries
Skytte, K. 2002
Publication: Research › Conference abstract for conference – Annual report year: 2002

Interactions between the power and green certificate markets
Publication: Research - peer-review › Journal article – Annual report year: 2002

Major investment opportunities for renewable electricity in Europe
Skytte, K. 2002
Publication: Research › Conference abstract for conference – Annual report year: 2002

REBUS - Renewables Burden Sharing in Europe
Publication: Research › Article in proceedings – Annual report year: 2002

Using experience curves to describe technological development
Skytte, K. 2002 Programme and PowerPoint slides. Reykjavik: Nordic Energy Research Program
Publication: Research › Conference abstract in proceedings – Annual report year: 2002

Brug af kontrakter i elindustrien
Skytte, K. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001
Consumer ownership in liberalized electricity markets. The case of Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2002

Dynamic innovation of RES-E technologies
Skytte, K. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001

Electricity trade in Northern Europe
Publication: Research - peer-review › Book chapter – Annual report year: 2001

Fremme af VE-teknologier
Skytte, K. & Olsen, O. J. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001

Integrating renewable technologies - the green certificate market
Skytte, K. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001

Liberalisering af elmarkedet i Nordeuropa
Skytte, K. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001

Simultaneous achievement of energy goals by use of TGC and TEP
Skytte, K. 2001
Publication: Research › Conference abstract for conference – Annual report year: 2001

Topics on electricity trade
Publication: Research › Ph.D. thesis – Annual report year: 2001

Consumer ownership at incomplete power markets
Skytte, K. 2000
Publication: Research › Conference abstract for conference – Annual report year: 2000

Consumer ownership in liberalised electricity markets - the case of Denmark
Publication: Research › Article in proceedings – Annual report year: 2000

Economic models for financing renewable electricity deployment
Skytte, K. 2000
Publication: Research › Conference abstract for conference – Annual report year: 2000

Electricity trade and market imperfections in Northern Europe
Publication: Research › Article in proceedings – Annual report year: 2000

Fluctuating renewable energy on the power exchange
Publication: Research - peer-review › Book chapter – Annual report year: 2000
Market imperfections and electricity trade in northern Europe
Skytte, K. 1999 Det nordiske fagsprogrammet energi og samfunn. Ås: Energiforskningen
Publication: Research › Article in proceedings – Annual report year: 1999

Market imperfections on the power markets in northern Europe: A survey paper
Skytte, K. 1999 In : Energy Policy. 27, p. 25-32
Publication: Research - peer-review › Journal article – Annual report year: 1999

Market power and futures trade on the electricity markets
Publication: Research › Conference abstract in proceedings – Annual report year: 1999

Modelling markets for green certificates and the interaction with other electricity markets
Skytte, K. 1999 Coordination in deregulated electricity markets. Helsinki: Systems Analysis Laboratory, Helsinki University of Technology
Publication: Research › Article in proceedings – Annual report year: 1999

National versus international markets for green certificates and power
Publication: Research › Article in proceedings – Annual report year: 1999

Optimal use of heat pumps on the power exchange
Publication: Research › Article in proceedings – Annual report year: 1999

The regulating power market on the Nordic power exchange Nord Pool: An econometric analysis
Skytte, K. 1999 In : Energy Economics. 21, p. 295-308
Publication: Research - peer-review › Journal article – Annual report year: 1999

Wind power and a liberalised North European electricity exchange
Publication: Research › Article in proceedings – Annual report year: 1999

Anvendt operationsanalyse og energiplanlægning
Skytte, K. 1998
Publication: Research › Conference abstract for conference – Annual report year: 1998

Economic dynamics and optimal inventories of natural gas storage facilities
Publication: Research › Article in proceedings – Annual report year: 1998

En nordeuropæisk elbørs
Publication: Research - peer-review › Report – Annual report year: 1998

Futures power markets and market power's future
Coq, C. L. & Skytte, K. 1998
Publication: Research › Conference abstract for conference – Annual report year: 1998
Liberalisation of the electricity supply industry in northern Europe - which consequences?
Publication: Research › Article in proceedings – Annual report year: 1998

Long term planning of wind energy in conventional power systems
Publication: Research › Article in proceedings – Annual report year: 1998

Market imperfections on the power markets in Northern Europe. A survey paper
Publication: Research › Article in proceedings – Annual report year: 1998

Rapport 1998 - plan 1999
Publication: Research › Peer-review › Book chapter – Annual report year: 1998

The regulating power market and fluctuating renewable energy. An econometric analysis
Skytte, K. 1998
Publication: Research › Conference abstract for conference – Annual report year: 1998

The regulating power market on the Nordic power exchange Nord Pool. An econometric analysis
Skytte, K. 1998
Publication: Research › Conference abstract for conference – Annual report year: 1998

Aktørkrav til en nordeuropæisk elbørs
Skytte, K. & Wolffsen, P. 1997 57 p. (Denmark. Forskningscenter Risoe. Risoe-R; No. 1001(DA)).
Publication: Research › Peer-review › Report – Annual report year: 1997

Complementarity problems and energy planning
Skytte, K. 1997
Publication: Research › Conference abstract for conference – Annual report year: 1997

Energy planning and uncertainty
Skytte, K. 1997
Publication: Research › Conference abstract for conference – Annual report year: 1997

Fluctuating renewable energy on the power exchange
Publication: Research › Article in proceedings – Annual report year: 1997

Liberalisering af elmarkedet
Grohnheit, P. E. & Skytte, K. 1997
Publication: Research › Conference abstract for conference – Annual report year: 1997

Longterm planning of wind energy in conventional power systems
Skjerk Christensen, P., Nielsen, L. H. & Skytte, K. 1997
Publication: Research › Conference abstract for conference – Annual report year: 1997
Nordisk forskning om konkurrence på elmarkedet
Grohnheit, P. E. & Skytte, K. 1997
Publication: Research › Conference abstract for conference – Annual report year: 1997

På vej mod et frit elmarked
Skytte, K. & Grohnheit, P. E. 1997 In : Electra. 1, p. 18-19
Publication: Research › Journal article – Annual report year: 1997

Uncertainty in energy-economic modelling of the electrical power sector
Publication: Research › Article in proceedings – Annual report year: 1997

Natural gas in Denmark
Publication: Research › Journal article – Annual report year: 1996

På vej mod et frit elmarked
Skytte, K. & Grohnheit, P. E. 1996 In : Risønyt. 4, p. 10-11
Publication: Communication › Journal article – Annual report year: 1996

Projects:

Assessment of a new market structure and regulatory framework for the integration of distributed energy resources in electricity markets towards a coherent Nordic energy system
Vasileiou, T., Skytte, K., Bergaentzlé, C. & Papakonstantinou, A.
01/12/2017 → 30/11/2020
Project: PhD

Market and Policy Design for Fossil-free Energy Systems
Sekamane, J. K., Skytte, K. & Morthorst, P. E.
15/09/2016 → 28/12/2019
Project: PhD

Innovative re-making of markets and business models in a renewable energy system based on wind power
Morthorst, P. E., Skytte, K., Katz, J. & Sekamane, J. K.
01/05/2016 → 31/03/2019
Project

NSON-DK - North Sea Offshore Network - Denmark
Sørensen, P. E., Das, K., Koivisto, M. J., Pade, L. & Skytte, K.
01/04/2016 → 31/03/2020
Project

Smart grid transitions and institutionalizations – market formations and consumers
Nielsen, S. B., Bolwig, S., Skytte, K., Nerregaard, K. & Dyck-Madsen, S.
01/02/2016 → 28/02/2017
Project

Coherent regulatory frameworks and energy markets that facilitate the integration of variable renewable energy into the Nordic energy system
Sneum, D. M., Skytte, K., Kitzing, L. & Kitzing, L.
15/12/2015 → 09/06/2019
Project: PhD
Flex4RES - Flexible Nordic Energy Systems
01/10/2015 → 31/03/2019
Project

Auctions for Renewable Energy Support: Effective use and efficient implementation options
01/01/2015 → 31/12/2017
Project

Assessment of the necessary economic incentives for economic viability of the Hysol technology in the Kingdom of Saudi Arabia, Chile and Mexico.
Baldini, M., Pérez, C. H. C., Skytte, K. & Nielsen, L. H.
Project

Technology Opportunities in Nordic energy System Transitions
Bolwig, S., Karlsson, K. B., Münster, M., Skytte, K., Anderson, T. K. & Gregg, J. S.
01/08/2011 → 30/09/2016
Project

A northern European power exchange
Grohnheit, P. E. & Skytte, K.
Project

Activities:

Flexible Electricity Markets for decarbonized systems
Skytte, K. (Guest lecturer)
11 Oct 2017
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Norwegian University of Life Sciences (External organisation)
Skytte, K. (Participant)
22 Sep 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

FlexEm 2050 - Flexible Electricity Markets for Decarbonized Systems
Skytte, K. (Speaker)
7 Jun 2017
Activity: Talks and presentations › Conference presentations

Wind power in the future energy system
Skytte, K. (Speaker)
22 Mar 2017
Activity: Talks and presentations › Conference presentations

Regulation and Policies on Electricity Markets
Skytte, K. (Speaker)
13 Feb 2017
Activity: Talks and presentations › Conference presentations
Energy Policy in the Nordic Electricity Market: A power system with high penetration of wind energy
Skytte, K. (Lecturer)
18 Nov 2015
Activity: Talks and presentations › Conference presentations

A power system with high penetration of intermittent energy: how to regulate the marked
Skytte, K. (Lecturer)
16 Nov 2015
Activity: Talks and presentations › Conference presentations

Flexibility for Variable Renewable Energy integration in the Nordic Energy System: Danish & Nordic perspectives
Skytte, K. (Lecturer)
22 Oct 2015
Activity: Talks and presentations › Conference presentations

Panel discussion: Results and take-home messages from Sustainable Energy Systems 2050
Skytte, K. (Lecturer)
22 Oct 2015
Activity: Talks and presentations › Conference presentations

EERA jp Wind (External organisation)
Skytte, K. (Participant)
1 Aug 2014 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar