

Thomas Tangerås

Curriculum Vitae

June 2021

OFFICE ADDRESS

Research Institute of Industrial Economics (IFN)
PO-Box 55665, 102 15 Stockholm, Sweden
Phone: +46 (0)8 665 45 26
Fax: +46 (0)8 665 45 99
Mailto: thomas.tangeras@ifn.se
Homepage: ifn.se/thomast

HOME ADDRESS

Kungsholmsgatan 9, 9 tr.
112 27 Stockholm, Sweden
Mob.: +46 (0)70 727 54 48

DATE AND PLACE OF BIRTH

19 September 1969, Denmark

CITIZENSHIP

Norwegian, Swedish

CIVIL STATUS

Married, three children

EMPLOYMENT

Research Institute of Industrial Economics (IFN)

2014– Senior research fellow

2001–14 Research fellow

AFFILIATIONS AND VISITS

Stanford University, Program on Energy and Sustainable Development (PESD)

2018– Faculty affiliate

University of Cambridge, Energy Policy Research Group (EPRG)

2015– Associated researcher

Stockholm University, Department of Economics

2009– Associate professor (**docent**), affiliated

Stanford University, Program on Energy and Sustainable Development (PESD)

2017–18 Visiting scholar

University of Toulouse, Institut d'Economie Industrielle (IDEI)

2000–01 Post-doctoral scholar

University of Sydney, Department of Economics

1999–00 Visiting scholar

EDUCATION

Stockholm University, Institute for International Economic Studies (IIES)

1994–00 Ph.D. in Economics

Thesis title: Essays in economics and politics: regulation, elections and international conflict

NHH Norwegian School of Economics

1989–93 Master's Degree in Economics and Business Administration (Siviløkonom)

RESEARCH INTERESTS

General: Applied microeconomic theory,

Specific: Industrial Organization, regulation, telecom and electricity markets,

TEACHING EXPERIENCE

1. Mechanism design (Ph.D. level), Gothenburg University, 2008, 2014 and 2017
2. Microeconomics II (Undergraduate), Stockholm University, Teaching Assistant (TA), 1999
3. Industrial Organization I and II (Ph.D. level), Stockholm University, TA, 1996-1997
4. Trade theory (Postgraduate), Stockholm University, TA, Spring 1996

PROJECT MANAGEMENT, GRANTS AND FELLOWSHIPS

1. 2021– “Political conflicts over wind power development in Sweden.” The Swedish Energy Agency, mSEK 4,0
2. 2021– “New tools for analyzing markets with imperfect competition.” Torsten Söderbergs Stiftelse, mSEK 1,2
3. 2019–20 “National network operators in an integrated electricity market.” The Swedish Energy Agency, mSEK 2,8
4. 2015–19 “Competition in the electricity market.” Jan Wallanders och Tom Hedelius stiftelse, mSEK 2,5
5. 2017–18 Travel Grant. Jan Wallanders och Tom Hedelius stiftelse, mSEK 0,4
6. 2015–18 “Regulation of distribution networks in a future electricity system.” The Swedish Energy Agency, mSEK 3,6
7. 2015–17 “Equilibrium capacity reserves in a multinational electricity market.” Energiforsk EFORIS project, mSEK 1,4
8. 2015–17 “Price areas, price formation and competition.” The Swedish Competition Authority, mSEK 2,0
9. 2007–14 “The economics of electricity markets.” Elforsk and The Swedish Energy Agency, mSEK 27,2
10. 2004–07 “Competition and regulation in electronic communications.” Jan Wallanders och Tom Hedelius stiftelse and The Swedish Competition Authority, mSEK 1,2
11. 1996–04 Doctoral and Post-Doctoral Grants. Jan Wallanders och Tom Hedelius stiftelse, mSEK 1,8

HONOURS AND AWARDS

1. The 2003 Young Economist Essay Competition Award at the 30th Annual Congress of the European Association for Research in Industrial Economics (EARIE)
2. The 2002 Young Economist Award at the 17th Annual Congress of the European Economic Association (EEA)

JOURNAL PUBLICATIONS

1. Economics of international investment agreements (with Henrik Horn). *Journal of International Economics*, Vol. 131, July 2021, 103433
2. Cournot competition in wholesale electricity markets: The Nordic power exchange, Nord Pool (with Erik Lundin). *International Journal of Industrial Organization*, Vol. 68, January 2020, 1-20
3. Real-time versus day-ahead market power in a hydro-based electricity market (with Johannes Mauritzen). *Journal of Industrial Economics*, Vol. 66, Issue 4, December 2018, 904-941
4. Equilibrium supply security in a multinational electricity market with renewable production. *Energy Economics*, Vol. 72, May 2018, 416-435

5. Energy system transition in the Nordic market: Challenges for transmission regulation and governance (with Anna Grigoryeva and Mohammad R. Hesamzadeh). *Economics of Energy & Environmental Policy*, Vol. 7, Issue 1, January 2018, 127-146
6. International network competition under national regulation (with Joacim Tåg). *International Journal of Industrial Organization*, Vol. 47, July 2016, 152-185
7. Renewable electricity policy and market integration. *Energy Journal*, Vol. 36, Issue 4, October 2015, 331-353
8. Nuclear capacity auctions (with Sven-Olof Fridolfsson). *Energy Journal*, Vol. 36, Issue 3, July 2015, 247-261
9. Network competition with income effects. *RAND Journal of Economics*, Vol. 45, Issue 3, Fall 2014, 645-673
10. A reexamination of renewable electricity policy in Sweden (with Sven-Olof Fridolfsson). *Energy Policy*, Vol. 58, July 2013, 57-63
11. Optimal transmission regulation of an integrated energy market. *Energy Economics*, Vol. 34, Issue 5, September 2012, 1644-1655
12. Market power in the Nordic electricity wholesale market: A survey of the empirical evidence (with Sven-Olof Fridolfsson). *Energy Policy*, Vol. 37, Issue 9, September 2009, 3681-3692
13. Yardstick competition and quality. *Journal of Economics & Management Strategy*, Vol. 18, Issue 2, Summer 2009, 589-613
14. Democracy, autocracy and the likelihood of international conflict. *Economics of Governance*, Vol. 10, Issue 2, April 2009, 99-117
15. Ethnic diversity, civil war and redistribution (with Nils-Petter Lagerlöf). *Scandinavian Journal of Economics*, Vol. 111, Issue 1, March 2009, 1-27
16. Unilingual versus bilingual education: A political economy analysis (with Javier Ortega). *Journal of the European Economic Association*, Vol. 6, Issue 5, September 2008, 1078-1108
17. From rent seeking to human capital: a model where resource shocks cause transitions from stagnation to growth (with Nils-Petter Lagerlöf). *Canadian Journal of Economics*, Vol. 41, Issue 3, August 2008, 760-780
18. Voter turnout in small referendums (with Morten Søberg). *Electoral Studies*, Vol. 26, Issue 2, June 2007, 445-459
19. Collusion-proof yardstick competition. *Journal of Public Economics*, Vol. 83, Issue 2, February 2002, 231-254

BOOKS, CHAPTERS IN EDITED VOLUMES

1. Transmission network investment across national borders: The liberalized Nordic electricity market (with Lars Persson). In: Mohammad Reza Hesamzadeh, Juan Rosellón and Ingo Vogelsang (eds.) *Transmission Network Investment in Liberalized Power Markets*. Springer Lecture Notes in Energy Vol. 79, 2020, 557-594
2. *Energimarknaden, ägandet och klimatet* (with Tommy Lundgren, Jesper Stage and Björn Carlén). SNS Förlag, 2013
3. En gemensam elmarknad stärker EU:s konkurrenskraft (with Pär Holmberg). In: Antonina Bakardjieva Engelbrekt, Lars Oxelheim and Thomas Persson (eds.): *Ett konkurrenskraftigt EU till rätt pris – Europaperspektiv 2013*, Santérus Förlag, 2013
4. Designing electricity auctions: Introduction and overview. *Utilities Policy*, Vol. 18, Issue 4, December 2010, 163-164

MOST RECENT WORKING PAPERS

1. National transmission system operators in an international electricity market (with Henrik Horn). IFN WP 1394, 2021
2. Contracting with endogenously incomplete commitment: Escape clauses (with Wolfgang Gick). IFN WP 1390, 2021
3. Strategic reserves vs. market-wide capacity mechanisms (with Pär Holmberg). IFN WP 1387, 2021
4. Sweden's energy investment challenge (with Pär Holmberg). IFN WP 1383, 2021
5. Competition for flexible distribution resources in a 'smart' electricity distribution network. IFN WP 1351, 2020
6. Locational marginal network tariffs for intermittent renewable generation (with Frank A. Wolak). IFN WP 1310, 2019 (Revise & resubmit *Energy Economics*)
7. Central versus self-dispatch in electricity markets (with Victor Ahlqvist and Pär Holmberg). IFN WP 1257, 2018 (Resubmitted to *Energy Strategy Reviews*)
8. Dispute settlement in international investment agreements (with Henrik Horn). IFN WP 1248, 2018
9. The competitive effects of linking electricity markets across space (with Frank A. Wolak). IFN WP 1140, 2017

POLICY REPORTS

1. Reformer för mer marknadsekonomi på elmarknaden. Timbro Briefing Paper #31, 2021
2. Incitamenten att investera i produktion på elmarknaden (with Pär Holmberg). Report commissioned by the Confederation of Swedish Enterprise, October 23, 2020
3. En samhällsekonomisk analys av konsekvenserna av att stänga ner eller begränsa tjänsteutbudet i ett befintligt kabel-TV-nät. Report commissioned by Com Hem AB, 2015
4. Investeringar på elmarknaden – fyra förslag för förbättrad funktion (with Sven-Olof Fridolfsson). Report to Expertgruppen för miljöstudier, 2011:5
5. Är vindkraftkooperativens priser marknadsmässiga? Report commissioned by Svensk Vindenergi, 2009
6. Kollektiv anslutning av TV/bredband - ett konkurrensproblem? Uppdragsforskningsrapport 2009:6, Swedish Competition Authority, 2009
7. Ekonomisk analys av SMP-bedömningar (with Johan Stennek). Report commissioned by Tele2 Sverige AB, 2003
8. Skälig och marknadsmässig samtrafikersättning (with Johan Stennek). Report commissioned by Tele2 Sverige AB, submitted to Länsrätten i Stockholm, 2002
9. Efficiency problems within the adult education initiative – a rudimentary analysis. Report commissioned by the Swedish Agency for Public Management (Statskontoret), 2000

PODCASTS

1. Mindre politik, mer marknad – en podd om framtidens elmarknad (with Pär Holmberg). IFN podden, October 23, 2020
2. Who wants to ride the Swedish nuclear rollercoaster? *IEAA Podcast Series*, October 22, 2020
3. 20 % högre elpris? (with Erik Lundin) IFN podden, March 17, 2016

POPULAR PRESS, NEWSLETTERS, OTHER

1. Även effektiv elförbrukning viktig för en välfungerande elförsörjning (with Pär Holmberg),

- Ekonomisk Debatt*, No. 4, 2021, 81-82
2. Hellre effektreserv än kapacitetsmarknad (with Pär Holmberg). *Second Opinion*, April 13, 2021
 3. Problemen med elområden är hanterbara (with Pär Holmberg). *DN.se Debatt*, March 2, 2021
 4. Skapa fler prisområden och låt elpriserna öka runt storstäderna (with Pär Holmberg). *DN Debatt*, February 25, 2021
 5. Incitamenten att investera i produktion på elmarknaden (with Pär Holmberg). *Ekonomisk Debatt*, No. 1, 2021, 66-77
 6. Stabil elproduktion uppmuntras inte av elmarknaden. *DN.se Debatt*, March 25, 2019
 7. Centralstyrd elhandel knappast rätt väg att gå (with Pär Holmberg). *SvD.se Debatt*, December 27, 2018
 8. EU gör det svårt att minska flygets klimatpåverkan. *DN.se Debatt*, April 17, 2018
 9. Virtues and vices of international investment agreements (with Henrik Horn). *IFN Newsletter* #1, 2017
 10. Book review of François Lévêque: The Economics and Uncertainties of Nuclear Power. *Economics of Energy & Environmental Policy*, Vol. 5, Issue 2, September 2016, 139-141
 11. Vad händer om kärnkraften läggs ner? (with Erik Lundin) *Kvartal.se*, March 18, 2016
 12. Släckta kabel-TV-nät försämrar konkurrensen. *Dagens Samhälle*, November 27, 2015
 13. National policies for renewable electricity are an obstacle to market integration in the European Union. *IAEE Energy Forum*, Third Quarter, 2014, 33-34
 14. Vi kan stänga två kärnkraftsreaktorer (with Erik Lundin). *Expressen Debatt*, July 15, 2014
 15. Begränsa det offentliga ägandet. *SvD Brännpunkt*, August 29, 2013
 16. Elprisskillnaderna i Sverige är motiverade - slutreplik (with Sven-Olof Fridolfsson and Pär Holmberg). *SvD.se Brännpunkt*, March 25, 2013
 17. Backa inte från reformen med elområden (with Sven-Olof Fridolfsson and Pär Holmberg). *SvD.se Brännpunkt*, March 15, 2013
 18. Elområden viktiga för en effektivare elmarknad (with Pär Holmberg). *DN.se Debatt*, March 5, 2012
 19. Slöseri att inte genast införa timdebitering av hushållsel (with Sven-Olof Fridolfsson). *DN Debatt*, November 11, 2011
 20. Norge låg bakom vinterns rekordhöga svenska elpriser (with Sven-Olof Fridolfsson). *DN Debatt*, October 1, 2010
 21. Släpp fram fler ägare till svenska kärnkraftverk (with Sven-Olof Fridolfsson). *SvD Brännpunkt*, June 17, 2010
 22. Priserna på elmarknaden måste tåla en granskning (with Sven-Olof Fridolfsson). *DN Debatt*, December 29, 2009
 23. Fungerar konkurrensen på elmarknaden? (with Sven-Olof Fridolfsson). *Ekonomisk Debatt*, No. 8, 2009, 21-37
 24. Piska bättre än morot när hushållen ska spara energi (with Sven-Olof Fridolfsson). *DN Debatt*, July 14, 2009
 25. Är mobiltelemarknaden mogen för avreglering? (with Johan Stennek) *Ekonomisk Debatt*, No. 5, 2007, 60-66
 26. Better regulation of mobile telecommunications (with Johan Stennek). *SIEPS European Policy Analysis* #1, 2007
 27. Är telemarknaden mogen för avreglering? Forskningen pekar i en annan riktning (with Johan Stennek). *IFN Newsletter* #1, 2007

28. Comment on Lars Hultkrantz: Telecommunications liberalisation in Sweden: Is 'intermediate' regulation viable? *Swedish Economic Policy Review*, Vol. 9, No.2, Fall 2002, 163-165

ORGANIZATION OF CONFERENCES/WORKSHOPS

1. Nordic Workshop on Industrial Organization, NORIO XI (with Mats Bergman and Richard Friberg), 2019
2. The Performance of Electricity Markets, IFN Waxholm Conference, 2014
3. IAEE International Conference (concurrent sessions chair), 2011
4. Designing Electricity Auctions (with Pär Holmberg), 2009
5. Nordic Workshop on Electricity Economics (NOREL) (with Sven-Olof Fridolfsson), 2008
6. Nordic Workshop on Industrial Organization, NORIO VI (with Johan Stennek), 2007

CONFERENCE/SEMINAR PRESENTATIONS

Summer in Tel Aviv 1998, ESEM-EEA Meetings 1998, 2002, 2006 and 2007, EEA Summer School 1999, EARIE Meetings 2003, 2006 and 2012, IAEE International Conference 2009-11, 2014 and 2017, MEC Mannheim 2013, 2017, 2019 and 2021, The Economics of Energy and Climate Change (U Toulouse) 2017, Aalto U, Cambridge U, Gothenburg U, IFN, IIES (Stockholm U), Luleå TU, Lund U, Macquarie U, Norwegian School of Economics, Norwegian School of Management, Stanford U, Statistics Norway, Stockholm School of Economics, Stockholm U, Telecom ParisTech, TILEC (Tilburg U), U Bozen/Bolzano, U Copenhagen, U Munich, U Oslo, U Sydney, U Toulouse, Uppsala U

REFEREE FOR

Annals of Public and Cooperative Economics, BE Journal of Theoretical Economics, Econometrica, Economic Inquiry, Economic Journal, Economics of Energy & Environmental Policy, Economics of Governance, Energies, Energy Economics, Energy Journal, Energy Policy, Energy Systems, European Economic Review, Information Economics & Policy, International Journal of Industrial Organization, Journal of Economic Behavior & Organization, Journal of Economics & Management Strategy, Journal of International Economics, Journal of Public Economic Theory, Journal of Public Economics, Operations Research, RAND Journal of Economics, Review of Industrial Organization, Review of Network Economics, Scandinavian Journal of Economics, Swiss Political Science Review, Utilities Policy

SUPERVISION OF DOCTORAL STUDENTS

1. Erik Lundin: Empirical essays on strategic behavior in the electricity and water sectors. Assistant supervisor. Main supervisor: Richard Friberg, Stockholm School of Economics, 2016
2. Sara Fogelberg: Markets, interventions and externalities. Four essays in applied economics. Assistant supervisor. Main supervisor: Mikael Priks, Stockholm University, 2015
3. Ewa Lazarczyk Carlson: Essays on electricity markets: Information and trading. Assistant supervisor. Main supervisor: Richard Friberg, Stockholm School of Economics, 2014

EXTERNAL EXAMINATION OF GRADUATE STUDENTS

1. Pratompong Srinuan, PhD Thesis, Chalmers University of Technology, 2012
2. Hans Nylund, Licenciate Thesis, Luleå Technical University, 2010
3. Tommy Andersson, Licenciate Thesis, Lund University, 2001