

Updated: 211220

Curriculum Vitae, Dick Magnusson

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Born: 15 November, 1983

Current position: Senior lecturer, Department of Thematic Studies – Technology and Social Change (Tema T), Linköpings universitet (since 2016)

Docent: 14 October 2019

University education: B.Sc. Human Geography, Växjö University (2007); MSc, Human Geography, Örebro University (2008); PhD, in Technology and Social Change, Linköping University (2013)

Previous positions: Junior lecturer, Tema T, Linköping University, 150501-160930; Post doc, Tema T, Linköpings University, 130425-150430; Post Doc, CKS (Centre for Municipality Studies, Linköping university, 140901-141231 (employed at 80 % and the rest at Tema T); PhD Student, Tema T, Linköping University, 080301-130424

Parental leave: 160201-160831 (100 %); 180801-181231 (60 %)

Professional experience: Member of review board Swedish Ethical Review Authority, 200101-; Program Coordinator, Bachelor Program in Urban and Regional planning, Linköping University, 170601-; Director of Studies, Tema T, 170301-170531; Board member, Course committee, Interdisciplinary Graduate School in Energy Systems, 2015-2017

Guest researcher: 1 month at The Leibniz Institute for Regional Development and Structural Planning (IRS), Erkner, Germany 120115-120215

Publications

Articles

Magnusson, D., Sperling, K., Veenman, S., & Oteman, M. (2021). News media framing of grassroots innovations in Denmark, the Netherlands and Sweden. *Environmental Communication*, 1-22. DOI: 10.1080/17524032.2021.1880460

Niskanen, J., & Magnusson, D. (2021). Understanding upscaling and stagnation of farm-based biogas production in Sweden through transitional and farming logics. *Journal of Cleaner Production*, 279, 1-11. DOI: 10.1016/j.jclepro.2020.123235.

Magnusson, D. & Palm, J. (2019). Come together – the development of Swedish energy communities. *Sustainability* 11(4), 1056. DOI: 10.3390/su11041056

Magnusson, D. & Hermelin, B. (2019). ICT development from the perspective of connectivity and inclusion – the operation of a local digital agenda in Sweden. *Norwegian Journal of Geography*, 73(2), 81-95, DOI: 10.1080/00291951.2019.1596153

Kooij, Henk-Jan, Oteman, Marieke, Veenman, Sietske, Sperling, Karl, Magnusson, Dick, Palm, Jenny, & Hvelplund, Frede. (2018). Between grassroots and treetops: Community power and institutional dependence in the renewable energy sector in Denmark, Sweden and the Netherlands. *Energy Research & Social Science*, 37, 52-64.

Magnusson, Dick (2018). Going back to the roots: The fourth generation of Swedish eco-villages. *Scottish Geographical Journal*. (accepted with revisions)

- Magnusson, Dick (2017). The cure for the hard core - the evolution of planning doctrines and organizational unbundling in the Stockholm regional energy system. *International Planning Planning Studies*.
- Magnusson, Dick (2016). Who brings the heat?—From municipal to diversified ownership in the Swedish district heating market post-liberalization. *Energy Research & Social Science*, 22, 198-209.
- Wallsten, B., Magnusson, D., Andersson, S., & Krook, J. (2015). The economic conditions for urban infrastructure mining: Using GIS to prospect hibernating copper stocks. *Resources, Conservation and Recycling*, 103, 85-97.
- Magnusson, Dick (2012). Swedish district heating sector - A system in stagnation: Current and future trends in the district heating sector. *Energy Policy* volym 48, pp. 449-459.
- Magnusson, D. (2011). Between municipal and regional planning: The development of regional district heating systems in Stockholm, *Local Environment*, 16 (4), 319-337.

Dissertation

- Magnusson, Dick (2013). District heating in a liberalized energy market: A new order? - Planning and development in the Stockholm region, 1978-2012. PhD Thesis, Linköpings Universitet.

Book chapters

- Magnusson, D (2022). Better Off Alone? The Development of Citizen Involvement and Community Energy in the Swedish Energy Transition. In, Karimi and Rodi. *Energy Transition in the Baltic Sea Region: Understanding Stakeholder Engagement and Community Acceptance*. Taylor and Francis.
- Velkova, J., Magnusson, D., & Rohracher, H. (2022). Smart thermostats and the algorithmic control of thermal comfort. In Pink, S., Berg, M., Lupton, D. & Ruckenstein, M. (eds.) *Everyday Automation: Experiencing and Anticipating Automated Decision-Making*. Taylor Francis.
- Magnusson, D. & Rohracher, H. (2019). Infrastruktur i förändring – konsekvenser för samhällsplaneringen. I: Syssner, J (red.) *Ett nytt kontrakt för samhällsbyggande*. Antologi Vadstena Symposium.
- Magnusson, D. (2019). Underjordens infrastruktur – exemplet energisystem. I: Forsberg, G. (red.) *Samhällsplaneringens teori och praktik*, s. 331-339. Stockholm: Liber förlag.
- Hermelin, B. & Magnusson, D. (2018). Den smarta landsbygden – digitalisering av landsbygdens företagssektor. I: Syssner, Josefina (red.) *Nya visioner för landsbygden*. Antologi Vadstena Symposium.
- Magnusson, D. & Palm, J. (2011). Between natural monopoly and third party access—Swedish district heating market in transition. *Monopolies: theory, effectiveness and regulation*. Eds Karlsen, B and Pettyfer, M, New York: Nova Science Publishers, Inc., 2011, 1-33 s.

Reports

- Magnusson, Dick och Perez, Salvador (2021). Fjärrvärme i mindre kommuner - Utmaningar, strategier och rekommendationer för att möta omvärldens förändringar. Linköpings universitet, Linköping.
- Magnusson, D. (2016). Att ta ansvar för gamla synder: en studie av medborgarattityder till Miljöprojekt Valdemarsviken. Rapport 2016:2. Linköpings universitet
- Hermelin, B., & Magnusson, D. (2015). Effektstudie fibernät: Utbyggnad av fibernät på Linköpings landsbygd. Rapport Linköpings kommun.
- Magnusson, D. (2015). Ågarförändringar på den svenska fjärrvärmemarknaden: en översikt över förvärv och avyttringar 1990-2014. Tema T-rapport 353. Linköpings universitet.
- Magnusson, D. (2015). Måluppfyllelse, medborgarinflytande och social hållbarhet i stadsdelsutvecklingsprojekt: En forskningsöversikt. Tema T-rapport 352. Linköpings universitet.

- Baas, L., Magnusson, D., & Mejía-Dugand, S. (2014). Emerging enlightened selective self-interest trends in society: Consequences for demand and supply of renewable energy. Rapport LIU-IEI-RR--14/00204—SE. Linköpings universitet.
- Palm, J., & Magnusson, D. (2009). Medias rapportering om fjärrvärme – framställning och budskap nationellt och lokalt, Svensk Fjärrvärme Fjärrsyn Rapport 2009:32, Stockholm: Svensk fjärrvärme.
- Djuric Ilic, D., Henriksson, M., Magnusson, D. (2009) Stockholms fjärrvärmenät idag och imorgon - en tvärvetenskaplig studie av ett regionalt energisystem. Arbetsnotat nr 44, Program Energisystem, Linköpings universitet.

Conference proceedings

- Magnusson, D. (2011). "Unbundling of District Heating Co-Operations in Stockholm?" 10th IAS-STS Annual Conference. Institute for Advanced Studies on Science, Technology and Society (IAS-STS). Graz, Österrike, 2-3 maj 2011
- Magnusson, D. & Djuric Ilic, D. (2010). "Modelling District Heating Cooperations in Stockholm - An Interdisciplinary Study of a Regional Energy System". The 12th International Symposium on District Heating and Cooling, Tallin, Estonia, 2010

Popular science publications

- Magnusson, D. (2018). Leder gräsrotterna energiomställning? *Kurage*, 28, 24-26
- Magnusson, D. (2014). Fjärrvärme i Stockholmsregionen – Ett lyckat regionalt samarbete. *Energimagasinet*, nr 5 2014
- Djuric Ilic, D. & Magnusson, D. (2011). Ny kraftvärme i Stockholm ger stora klimatvinster. *Energimagasinet* 7, s. 28-30.

Other popular science output

- Podcast "Fakultet" 2020 – "Fjärrvärme som handelsvara"

Principal Investigator

- PI in project 'Planerare som agenter för omställning till hållbara städer och regioner – implikationer för framtida behov inom expertis och utbildning (PLANTS)' (Planners as agents for the transition towards sustainable cities and regions – implications for future needs in expertise and education (PLANTS)). Collaboration with Stockholm University and Blekinge Institute of Technology. Funded by Formas (2021-00050). 210901-250825, total funding: 7 893 716 SEK.
- PI in project 'Fjärrvärme i krympande kommuner - utmaningar och strategier för ett hållbart energisystem', (District heating in shrinking municipalities – challenges and strategies for a sustainable energy system). Funded by Swedish Energy Agency. 190201-210731, total funding: 3 463 493 SEK.
- PI in the Swedish part in project "MobGis - Mobilizing grassroots capacities for sustainable energy transitions", within JPI Climate Joint Call for Transnational Collaborative Research Projects, Societal Transformation in the Face of Climate Change. Collaboration with Radboud University Nijmegen, Netherlands and Aalborg universitet, Denmark. Swedish financing through Formas (2014-1715). PI from 2017-02-01 to project end 2018-12-31. Total funding 3 516 000 SEK.

Research grants

- 'Planerare som agenter för omställning till hållbara städer och regioner – implikationer för framtida behov inom expertis och utbildning (PLANTS)', main applicant, Swedish Energy Agency, 210901-250831, 7 893 716 SEK.
- 'Kommuner i med- och motvind – Lärdomar om möjligheter och utmaningar från kommuners planering för vindkraftsetableringar sedan 2009', co-applicant, 211215-241231, 4 641 000 SEK.

- 'TRANS-PED - Transforming Cities through Positive Energy Districts', JPI Urban Europe, co-applicant, April 2021-March 2023, 778 000 Euro
- 'Hushåll som infrastrukturknutpunkter: integration av energisystem från ett användarperspektiv', Swedish Energy Agency, co-applicant, Jan 2019 to Dec 2022, 3 931 196 kr.
- 'Fjärrvärme i krympande kommuner - utmaningar och strategier för ett hållbart energisystem', Swedish Energy Agency, main applicant, Feb 2019 to July 2021, SEK 3 463 493 kr.
- 'Kommunala miljöprojekt– drivkraft för nöjdare medborgare? Exemplet Valdemarsviken'. CKS-funding, co-applicant, Jan 2013 to Dec 2015, 400 000 SEK

Research projects

- 2021-2025 'Planerare som agenter för omställning till hållbara städer och regioner – implikationer för framtida behov inom expertis och utbildning (PLANTS)', Formas
- 2021-2024 'Kommuner i med- och motvind – Lärdomar om möjligheter och utmaningar från kommuners planering för vindkraftsetableringar sedan 2009', Energimyndigheten
- 2021-2025 'Resistans och effekt – om smarta elnät för de många människorna', Familjen Kamprads Stiftelse
- 2021-2025 'MISTRA-SAMS - Sustainable Accessibility and Mobility Services', Mistra
- 2021-2023 'TRANS-PED - Transforming Cities through Positive Energy Districts', JPI Urban Europe
- 2019-2022 "Hushåll som infrastrukturknutpunkter: integration av energisystem från ett användarperspektiv" – Funded by Swedish Energy Agency/Swedish Research Council
- 2019-2021 "Fjärrvärme i krympande kommuner - utmaningar och strategier för ett hållbart energisystem" – funded by Swedish Energy Agency
- 2015-2021 "New networks of power" – co-supervisor of ph.d. student in project in the "Forskarskolan Energisystem" financed by the Swedish Energy Agency
- 2016-2019 "Replicability Concept for Flexible Smart Grids (ReFlex)" – project financed by the Swedish Energy Agency via Era-NET Smart Grids Plus.
- 2015-2018 "Mobilizing grassroots capacities for sustainable energy transitions: path improvement or path" - This Project is in cooperation with Radboud University Nijmegen (PI), the Netherlands and Aalborg University, Denmark. It is funded by JPI Climate.
- 2013-2015 "Municipal environmental projects – a force for more satisfied citizens? The example of Valdemarsviken". Together with Jenny Palm (Department of Thematic Studies - Technology and Social Change, LIU) and Victoria Wibeck (Centre for Climate Science and Policy Research, LIU). Financed by Centre for Municipality Studies (CKS), LIU
- 2013-2014 "Emerging selective self-interest trends in society" Together with Leo Baas (Environmental Technology and Management, LIU) and Jenny Palm (Department of Thematic Studies - Technology and Social Change, LIU) Financed by Tekniska Verken, Linköping
- 2013-2015 "Östra Valla testbed and demo area" Together with Jenny Palm (Department of Thematic Studies - Technology and Social Change, LIU). Financed by municipality of Linköping
- 2014-2015 "Broadband expansion to rural areas in municipality of Linköping". Together with Brita Hermelin (Centre for Climate Science and Policy Research, LIU). Financed by municipality of Linköping
- 2008-2013 Regional district heating in Stockholm, PhD project. Financed by Swedish Energy Agency through interdisciplinary PhD school Energy Systems Programme
- 2008-2009 Media reportings on district heating. Financed by Swedish District Heating Association

PhD Supervision

- Hanne Cox, Tema Teknik och social förändring, Linköpings universitet, main supervisor from 210215
- Jonas Ihlström, VTI, main supervisor from 210301
- Linnéa Eriksson, Tema Teknik och social förändring, Linköpings universitet. Disputation 160923 på avhandlingen "Policy Integration for Sustainable Development – Case studies from two Swedish regions". Co-supervisor from 150410 to PhD defence.

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Fredrik Envall, Tema Teknik och social förändring, Linköpings universitet. Within the project "New Networks of Power" in Forskarskolan Energisystem. Co-supervisor from start to defended thesis (150801 – 210205)

Reviewer assignments

Reviewer of around 20 article manuscripts between 2013 and 2021 in Environmental Innovation and Societal Transitions, Nature Energy, Research Policy, Scandinavian Journal of Public Administration, Energy Policy, Energy Research & Social Science

External reviewer assignments, PhD students

Grading committee, Per Möller, Tema kultur och samhälle, November 2021

Stand-by in grading committee, Nimmo Elmi, September 2021

60 % seminar reviewer, Emily Rodriguez, Tema Miljöförändring, September, 2021

90 % seminar reviewer, lic, Kelsey Oldbury, KTH, October 2020

60 % seminar reviewer, Karin Eliasson, Tema Miljöförändring, August 2020

90 % seminar reviewer, Sofia Päivärinne, Industriell miljöteknik, September 2017

Internal reviewer assignments, PhD students

3rd term reviewer, Camilo Castillo, January 2020

90 % seminar reviewer, Nimmo Elmi, June 2019

60 % seminar reviewer, Katharina Reindl, June 2015

60 % seminar reviewer, Anna Wallsten, June 2014

3rd term reviewer, Johan Nilsson, March 2014

60 % seminar reviewer, Josefin Thoresson, May 2013

Conference organization

Session Vadstena Forum, 2019. Sessionen "Infrastruktur och samverkan". Main organizer: Josefina Syssner, CKS, LiU.

Organized network meeting Swedish schools of urban and regional planning, 2017, 18-19 december, Linköping.

Co-organiser Annual meeting history of technology (Teknikhistoriska dagarna) 2017, 20-22 september, in Norrköping.

Teaching experience

Supervision

Supervisor for 16 student thesis's, 6 at master level and 9 at bachelor, within Bachelor program in Environmental Science, Master program Science for Sustainable Development, Geography, Bachelor program in Urban and regional planning

Total teaching

Until December 2021 – total of 4100 teaching hours in the following programs (examples):

Bachelor program in Urban and Regional Planning, LiU

Bachelor program in Environmental Science, LiU

Master program Science for Sustainable Development, LiU

Geography, LiU

History of Technology, LiU

Course coordinator

Coordinator 18 times, 9 different courses

Examples:

History of Technology, course for engineering students, 2014-2016

GIS, data analysis and tools in urban and regional planning, course in Bachelor program Urban and Regional Planning, 2018-2021

Current trends and practices in urban and regional planning, course in Bachelor program Urban and Regional Planning, 2019-2020, shared responsibility

Physical planning, course in Bachelor program Urban and Regional Planning, 2019-2021

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GIS in urban and regional planning, advanced course, course in Bachelor program Urban and Regional Planning, 2019-2021

Urban and regional planning as a profession, course in Bachelor program Urban and Regional Planning, 2020-2021

Course development

Part of committees that developed the new Bachelor program in Urban and Regional Planning, LiU and new Master program in Strategic Urban and Regional Planning, LiU.

Responsible for developing 7 course syllabus in the Bachelor program in Urban and Regional Planning, LiU and 1 course syllabus in the Master program in Strategic Urban and Regional Planning, LiU.

Pedagogic education

Universitetspedagogik, steg 1: Lärande, undervisning och kunskap, 6 hp. 2009

Fördjupningskurs i högskolepedagogik: Kursdesign, examination och utvärdering, 6 hp. 2014

Handledning av forskarstuderande, avancerad kurs, 4 hp. 2017.

Program för ledare inom forskning och utveckling, PLUF, med fokus på ledare inom utbildning. 2018

Rewards

Årets pedagog Samhällsplanerarprogrammet 2018/2019, 2019/2020 and 2020/2021