

CV and List of Publications

Dr. Thomas Berker

Professor

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N-7048 Trondheim

Born 11 December 1968

German citizen, married, two children

EMPLOYMENT and EDUCATION:

PhD leader, PhD program “Interdisciplinary Studies of Culture”	2023-
KAIST, STP (Daejeon, South Korea) Guest researcher	3 months in Summer 2022
Norwegian University of Science and Technology (NTNU), Department of Interdisciplinary Studies of Culture, Centre for Technology and Society Centre leader and head of research	2018-2022
Linköping University, Department for Thematic Studies: Technology and Social Change Adjunct professorship	2015-2017
Norwegian University of Science and Technology (NTNU), Department of Interdisciplinary Studies of Culture Professor in science and technology studies	Since 2012
Norwegian University of Science and Technology (NTNU), Department of Interdisciplinary Studies of Culture Associate professor	2006-2012
Norwegian University of Science and Technology (NTNU), Department of Interdisciplinary Studies of Culture Postdoc and researcher	2001-2006
University of Frankfurt, Department of Sociology Examination for the doctorate, thesis title: “Internet use in everyday life.”	June 2000

Gesellschaft für Technische Zusammenarbeit (GTZ), Eschborn, Germany (Largest German service enterprise for development cooperation with world-wide operations) Internet and Intranet coordinator	2000-2001
University of Frankfurt M.A. Sociology (major), Political Sciences, German Language and Literature (minors) Topic of Senior Thesis: A Quantitative Study of Political Attitudes and Views Among German Students	February 1996

PROFESSIONAL EXPERIENCE:

Teaching

Norwegian University of Science and Technology (NTNU): - PhD courses “Theories of Science” and “Zero Emission Neighbourhoods” - Science and Technology Studies (master courses: KULT3301 and KULT 3304, awarded “Best teacher of the year” by the faculty's student council in 2014) - Energy and everyday life (master course, HFEL 0006) - ICT and cultural change (bachelor course: KULT 2201) - guest teaching engagements at various faculties	Since 2004
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University of Darmstadt, Germany Two lectureships on media theory and society	2000/2001
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Supervision

Norwegian University of Science and Technology (NTNU) 15+ Master students on a broad variety of topics	Since 2004
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PhD students Main supervisor	Since 2010
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- Krishna Bharathi (HF, NTNU, defended in 2014)
- Liana Müller (HF, NTNU, defended in 2015)
- William Throndsen (HF, NTNU, defended in 2016)
- Jenny Melind Bergschöld (HF, NTNU, defended in 2018)
- Ann Kristin Kvellheim (HF, NTNU, defended in 2018)
- Thomas Edward Sutcliffe (HF, NTNU, defended in 2023)
- Hanne Marit Hendriksen (HF, NTNU, planned defence 2024)
- Alexander Fenes (HF, NTNU, planned defence 2024)
- Leika Reh Aruga (HF, NTNU, planned defence 2025)

Co-Supervisor

- Toril Meistad (BAT, NTNU, defence 2016)
- Roberto Valle (AB, NTNU, defence 2018)
- Nina Koch Ørvad (DTU, defence 2019)
- Isaac Arturo Ortega Alvarado (AD, NTNU, planned defence 2023)

Research

The role of maintenance in the creation of liveable neighbourhoods Role: Co-lead Funding: Universitetskommune 3.0	2023
iclimabuilt Role: Task lead Funding: H2020	2022-2025
Sustainable Digitalisation (SustainDit) Role: Work package lead Funding: NTNU	2022-2025
Energy Social sciences & Humanities Innovation Forum Targeting the SET-Plan (Energy-Shifts) Role: Research area co-lead («SSH research on energy efficiency») Funding: H2020	2020-2022
Territorial responsible research and innovation through the involvement of local R&I actors (TeRRItoria) Role: Research partner, coordinating the activities of the Norwegian teams Funding: H2020	2019-2022
The Research Centre on Zero Emission Neighbourhoods in Smart Cities (ZEN) Role: Task Leader: ZEN Living labs (wp 6.2); key researcher «end users of zero emission neighbourhoods», responsible for end-user research across the centre Funding: Research Council of Norway and various partners	2018-2024
Methodologies for Improvement of Non-residential buildings' Day-to-day Energy efficiency Reliability (MINDER) Role: Project leader Funding: EnergiX, Research Council of Norway	2013-2017
The research centre on zero emission buildings (ZEB) Role: Work package leader, wp4 (Use, operation and implementation) Funding: Research Council of Norway, various industry actors	2009-2017
Towards carbon neutral settlements Role: Work package leader Funding: Research Council of Norway, a KMB project within the RENERGI programme	2009-2012
Paradoxes of design Funding: Research Council of Norway, FRIMUF project Roles: Researcher, project leader	2008-2010
Title: SMARTBYGG (Smartbuild)	2002 - 2008

Roles: Postdoc and researcher

Funding: Research Council of Norway, KMB project

Title: European Media and Technology in Everyday Life Research and Training Network (EMTEL II) 2000 - 2002

Role: Postdoc

Funding: European Commission

Title: Internet use in everyday life 1996-1999

Role: PhD student

Funding: National graduate training group funded by the German Hans Böckler Foundation

OTHER RELEVANT ACTIVITIES

Paternity leaves 2010 and 2015, four months each

Member of Formas (Swedish research council) evaluation panels “Resource efficient products and processes” and “Sustainable Built Environment” 2011-2018

External reviewer (opponent) Since 2016

Final evaluation of PhD theses

- Veronica Carlsson (Chalmers)

- Nina Baron (Roskilde)

- Jan Johansen (DTU)

Midterm reviews of PhD projects

- Anna Wallsten (Linköping, Tema T)

- Saara-Maria Kauppi (NTNU, product design)

- Fernanda Acre (NTNU, architecture)

LANGUAGES

Fluent both spoken and written: German, English, and Norwegian

Good understanding of Danish and Swedish, basic knowledge of Spanish

LIST OF PUBLICATIONS (since 2005)

Berker, Thomas. forthcoming. “Domestication as User-Led Infrastructuring.” In *The Routledge Handbook of Media and Technology Domestication*, edited by Maren Hartmann. Routledge

Berker, Thomas. forthcoming. «Performing research norms between academic and industrial research» *Nordic Journal for Architectural Research*.

Foulds, Chris, Sarah Royston, Thomas Berker, Efi Nakopoulou, Zareen Pervez Bharucha, Rosie Robison, Simone Abram, et al. 2022. “An Agenda for Future Social Sciences and Humanities Research on Energy Efficiency: 100 Priority Research Questions.” *Humanities and Social Sciences Communications* 9, no. 1: 1–18.

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Berker, Thomas, and Liana Müller. 2022. "Seduction, Caution, Fight: Media Framing of Research-Based Expertise in Norwegian Print Media Coverage of Low Energy Buildings (2005–2012)." *Public Understanding of Science*.

Woods, Ruth, and Thomas Berker. 2022. "Homelife in a Norwegian Forest: A Rural Approach to the Sustainable Transition." *Sustainability: Science, Practice and Policy* 18, no. 1: 636–50.

Woods, Ruth, and Thomas Berker. 2021. "Norwegian Pilots: Navigating the Technological Logic of Sustainable Architecture." in *Architectural Anthropology. Exploring lived space*, edited by M. Stender, C. Bech-Danielson, and A. Landsverk Hagen. Routledge.

Ortega Alvarado, Isaac Arturo, Thomas Edward Sutcliffe, Thomas Berker, and Ida Nilstad Pettersen. 2021. "Emerging Circular Economies: Discourse Coalitions in a Norwegian Case." *Sustainable Production and Consumption* 26:360–72.

Sutcliffe, Thomas Edward, and Thomas Berker. 2021. "A Norwegian Circular Economy? Protestant Visions of an Alternative to Mass Consumerism." *Reparieren, Selbermachen Und Kreislaufwirtschaften: Alternative Praktiken Für Nachhaltigen Konsum* 79–94.

Berker, Thomas, and Ruth Woods. 2020. "Identifying and Addressing Reverse Salients in Infrastructural Change. The Case of a Small Zero Emission Campus in Southern Norway." *International Journal of Sustainability in Higher Education* 21(7):1625–40. doi: 10.1108/IJSHE-12-2019-0354.

Woods, R., and T. Berker. 2019. "Living Labs in a Zero Emission Neighbourhood Context." IOP Conference Series: Earth and Environmental Science 352:012004.

Koch-Ørvad, Nina, Christian Thuesen, Christian Koch, and Thomas Berker. 2019. "Transforming Ecosystems: Facilitating Sustainable Innovations Through the Lineage of Exploratory Projects." *Project Management Journal* 50 (5): 602–616.

Valle, Cristian Roberto, Elli Verhulst, Ida Nilstad Pettersen, Antje Junghans, and Thomas Berker. 2019. "FM Perceptions on Occupant Impact and the Shaping of Occupant Engagement Practice." *Facilities* 37 (11/12): 762–79.

Woods, Ruth, Inger Andresen, Christofer Skaar, and Thomas Berker. 2019. Utvikling av pilotprosjekt i Steinkjer kommune: Historier om «det gamle NRK bygget på Lø» og evaluering av prosessen. SINTEF akademisk forlag; NTNU. <https://sintef.brage.unit.no/sintef-xmlui/handle/11250/2597643>.

Woods, Ruth, Daniela Baer, Thomas Berker, and Lars Arne Bø. 2019. ZEN LIVING LABS Definition, Ideas and Examples. SINTEF akademisk forlag. <https://ntnuopen.ntnu.no/ntnu-xmlui/handle/11250/2600252>.

Korsnes, Marius, Thomas Berker, and Ruth Woods. 2018. "Domestication, Acceptance and Zero Emission Ambitions: Insights from a Mixed Method, Experimental Research Design in a Norwegian Living Lab." *Energy Research & Social Science* 39 (May): 226–33.

Valle, Cristian Roberto, Casper Boks, and Thomas Berker. 2018. "Occupant Engagement in the Office Environment: Role Assumptions about the Building Manager." *Facilities*, September.

Berker, Thomas, and Ann Kristin Kvellheim. 2018. "Boundary Objects As Facilitators in Sustainable Building Research." *Science and Public Policy* 45(2):202–10.

Pettersen, Ida Nilstad, Elli Verhulst, Roberto Valle Kinloch, Antje Junghans, and Thomas Berker. 2017. "Ambitions at Work: Professional Practices and the Energy Performance of Non-Residential Buildings in Norway." *Energy Research & Social Science*.

Berker, Thomas. 2017. «From potential to performance: people matter.» In *Zero emission buildings*, edited by Anne Grete Hestnes and Nany Lea Eik-Nes, Bergen: Fagbokforlaget.

Berker, Thomas, and William Throndsen. 2016. "Planning Story Lines in Smart Grid Road Maps (2010–2014): Three Types of Maps for Coordinated Time Travel." *Journal of Environmental Policy & Planning*, August, 1–15.

Berker, Thomas and Stig Larssæther. 2016, "Two Exemplar Green Developments in Norway: Tales of Qualculation and Nonqualculation." In *Actor Networks of Planning*, edited by Yvonne Rydin and Laura Tate. London and New York: Routledge.

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Thronsdalen, William, Thomas Berker, and Espen Knoll. 2016. "Powerhouse Kjørbo. Evaluation of Construction Process and Early Use Phase." ZEB report 25. Trondheim: Sintef Academic Press.

Moe Skjølsvold, Tomas, Marianne Ryghaug and Thomas Berker. 2015. "A Traveler's Guide to Smart Grids and the Social Sciences." *Energy Research & Social Science*, Special Issue on Smart Grids and the Social Sciences, 9 (September): 1–8

Solvår Wågø and Thomas Berker. Architecture as a strategy for reduced energy consumption? An in-depth analysis of residential practices' influence on the energy performance of passive houses. *Smart and Sustainable Built Environment*, 3(3):192–206, November 2014.

Thomas Berker. Smart region: Brøset/Norway. In Phil Jones, Werner Lang, Jo Patterson, and Philipp Geyer, editors, *Smart Energy Regions*, pages 181–185. The Welsh School of Architecture, Cardiff University, Cardiff, 2014.

Thomas Berker, Helen Jøsok Gansmo, and Antje Junghans. Introducing the MINDER research project: Methodologies for Improvement of Nonresidential buildings' Daily Energy Efficiency Reliability. *International Journal of Facilities Management*, 2014(1):75–82, 2014.

Antje Junghans and Thomas Berker. Comparison of two passive house schools in Norway and Germany. In Per Anker Jensen, editor, *Proceedings of CIB Facilities Management Conference - Joint CIB W070, W11 & W118 conference*, pages 47–56, Copenhagen, 2014. Polyteknisk Boghandel og Forlag.

Birgit Risholt and Thomas Berker. Success for energy efficient renovation of dwellings—Learning from private homeowners. *Energy Policy*, 61:1022–1030, October 2013.

Thomas Berker. "In the morning I just need a long, hot shower" A sociological exploration of energy sensibilities in Norwegian bathrooms. *Sustainability: Science, Practice, & Policy*, 2013.

Thomas Berker, Liana Müller, and Martin Anfinssen. Between standardisation and flexibility. In *Proceedings of the PLEA 2013 conference*, Munich, 2013.

Liana Müller and Thomas Berker. Passive House at the crossroads: The past and the present of a voluntary standard that managed to bridge the energy efficiency gap. *Energy Policy*, 2013.

Judith Thomsen, Thomas Berker, Åshild Lappegaard Hauge, Karine Denizou, Solvår Wågø, and Sidsel Jerkø. The interaction between building and users in passive and zero-energy housing and offices: The role of interfaces, knowledge and user commitment. *Smart and Sustainable Built Environment*, 2(1):43–59, 2013.

Thomas Berker and Krishna Bharathi. Energy and buildings research: challenges from the new production of knowledge. *Building Research & Information*, 40(4):473–480, 2012.

Åshild Lappegaard Hauge, Judith Thomsen, and Thomas Berker. User evaluations of energy efficient buildings: Literature review and further research. *Advances in Building Energy Research*, 5:109–127, June 2011.

Helen Jøsok Gansmo, Thomas Berker, and Finn Arne Jørgensen, editors. *Norske hytter i endring: om bærekraft og behag*. Tapir akademisk forl., Trondheim, 2011.

Thomas Berker. Domesticating spaces. *Socio-Technical Studies and the Built Environment. Space and Culture*, 14(3), 2011.

Thomas Berker. Dealing with uncertainty in sustainable innovation: Mainstreaming and Substitution. *Int. J. of Innovation and Sustainable Development*, 5(1):65–79, 2010.

Thomas Berker and Helen Jøsok Gansmo. Paradoxes of Design: Energy and Water Consumption and the Aestheticization of Norwegian Bathrooms 1990–2008. *Sustainable Development*, 18:135–149, 2010.

Thomas Berker and Helen Jøsok Gansmo. Sustainable urbanisation? Norwegian cabin culture in transition. *Journal of Tourism and Cultural Change*, 8(3):173–183, 2010.

Margrethe Aune, Thomas Berker, and Robert Bye. The missing link which was already there: Building operators and energy management in nonresidential buildings. *Facilities*, 27(1/2):44 – 55, 2009.

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Thomas Berker. Energienutzung im Heim als eine sozio-technische Praxis. Untersuchungsergebnisse, Trends und Strategien. In Corinna Fischer, editor, Strom sparen im Haushalt. Trends, Einsparpotenziale und neue Instrumente für eine nachhaltige Energiewirtschaft, pages 175–192. oekom, München, 2008.

Margrethe Aune and Thomas Berker. Energiforbruk i boliger og yrkesbygg: utfordringer og muligheter. In Margrethe Aune and Knut Holtan Sørensen, editors, Mellom klima og komfort - utfordringer for en bærekraftig energiutvikling, pages 47–64. Tapir akademisk forlag, Trondheim, 2007.

Thomas Berker. The Politics of 'Actor-Network Theory'. What Can 'Actor- Network Theory' Do to Make Buildings More Energy Efficient? Science, Technology & Innovation Studies , (Special issue 1), 2006.

Thomas Berker. The everyday of extreme flexibility - the case of migrant researchers' use of new information and communication technologies. In Roger Silverstone, editor, Media, Technology and Everyday Life in Europe: From Information to Communication , pages 125–140. Ashgate, Aldershot, 2005.

Thomas Berker, Maren Hartmann, Yves Punie, and Katie Ward. Domestication of media and technology . Open University Press, London, 2005.