

# Carmel M. Lindkvist

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*Experienced researcher with a focus on knowledge management across the life-cycle stages of sustainable buildings and neighbourhoods from a facilities management perspective.*

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## Professional Summary

Active in developing the discipline of facilities management in practice, research and education for over 14 years in the countries of Norway and the UK. Distinguished record of publications in academic journals all over the world, with a good citation record. Committed to helping university students develop their full potential in their studies within my own affiliated university of NTNU as well as through international activities.

## Education

- 2006 -2009 **University of Reading, School of Construction Management and Engineering, UK**  
PhD in Innovation in Facilities Management  
Thesis title: The Investigation of Technological Adoption in Facilities Management Department at a Financial Institution: From Idea to Implementation.
- 2001-2002 **Trinity College Dublin, Ireland**  
MSc in Applied Social Research Methods
- 1997-2000 **National University of Ireland, Maynooth**  
Bachelor of Arts Degree in History and Sociology (2.1 Honors)

## Recent Work Experience

- 2017-to date Associate Professor in Facilities Management, Centre of Real Estate and Facilities Management, Department of Architecture and Planning, NTNU, Norway

### Teaching

- Course coordinator for Introductory facilities management at masters level (2017-ongoing)  
Co-coordinator of theory and research method course at PhD level. (2017 – ongoing)  
Co-course coordinator for Sustainable facilities management at masters level (2017)  
Second supervisor of 3 PhD Candidates and on the following topics in Green Leasing, Urban FM and innovation systems for word in buildings  
Supervision of 6 Master Students on real estate and facilities management 2018- 2019

### Other teaching activities

- Workshops on qualitative research methods as part of WABER Conference 2019, Ghana
- Co-organiser of Euro FM summer school 2019 Trondheim
- Third opponent to PhD on Governance in the planning and decision-making process.

### Research engagement

Innovation and knowledge management approaches which focus on the connectivity of different disciplines in the built environment from perspective of facilities management the follow topics have been a continuous focus

- Linking Smart Cities to facilities management through knowledge intermediaries over time

- Knowledge coordination amongst practices in life-cycle perspectives
- Digital FM: Understanding how digitalisation is changing practices in FM
- Urban FM: Understanding the application of FM in urban environments

### Ongoing research Projects

+Cityxchange – Task co-leader on Innovation Playgrounds (EU funded 2018-2023)

2013-2017 Post-Doctoral Research Fellow, Department of Architecture and Planning, NTNU, Norway

**Examining diverse practices and processes in energy efficiency renovation projects and urban planning linking to Smart Cities. Emphasis on phases of planning, design and operations.**

#### Key projects:

- FP7 EU funded Near Zero Energy Neighbourhood
- IEA/SHC Solar Energy in Urban Planning
- FP7 EU funded Collaborating Smart Solar powered Micro-grid (CoSSMic)

2010 -2013 Post Doctoral Research Fellow, Design Innovation Research Centre, University of Reading, UK

**Examined knowledge transfer in data management systems for handover from design to operations management in large construction and infrastructure projects.**

#### Key projects:

- Configuration management project - Crossrail, Airbus and CERN
- London 2012 Olympic Learning Legacy Project

## Skills

### Research

Experience based on skills which facilitate both individual thinking and collaborative work:

- Management of projects at local and international levels
- Ability to adapt to different project topics – facilities management, sustainable/digital develop in life-cycle of built environment and Smart Cities
- Knowledge management theoretical background applied to different research fields
- Developing and implementing appropriate methods to meet project requirements (Interviews, focus groups, case study, ethnography, desk-based)
- Combining writing and editing reports
- Maintaining research ethics in all projects and awareness of data protection
- Contributing to and developing own funding proposals
- Disseminating research results through reports and academic journals
- Promoting work of department and group activities through networking activities

### Editor

- Co-guest editor on Special Issue on Urban Facilities Management in Facilities journal, 2020 (ongoing)
- Co-guest editor on Special Issue on Shaping Tomorrows Facilities Management in Facilities journal, 2019
- Editor and on Editorial Board of African Journal of Built Environment Research (AJBER), 2018 - ongoing

### Pedagogy qualifications

- NTNU pedagogy course (Pedopp) – February to December 2019 (Complete 100 of 200 hour course)

- Study Program Leadership course 2018-2019
- Course Diploma Teacher Training Seminar – 2017

#### Reviewer

- Selection journals (2010-2019): Building Research and Information, Facilities, Corporate Real Estate, Technological Forecasting and Social Change

#### Awards

- EuroFM European Researcher of the Year (2018)

#### Groups/Professional organisations

- Norwegian Real Estate and Facility Management Network (NfN)
- NTNU Smart Sustainable Cities
- Member of European Network for Research on Innovation in Construction (ENRIC)
- Member of CIB (Co-chair for CIB World Congress, Hong Kong 2019)
- Member of EuroFM

### Publication statistics

49 publications in refereed international journals, conferences, reports and books since 2004,

H-index: 10 (according to Google Scholar)

Total google scholar citations: 316 calculated (16.08.2019).

### Journal Publications (Selected)

Bröchner, J., Haugen, T. and Lindkvist, C. (2019), "Shaping tomorrow's facilities management", *Facilities*, Vol. 37 No. 7/8, pp. 366-380. <https://doi.org/10.1108/F-10-2018-0126>

Collins, D., Haugen, T., Lindkvist, C. and Aamodt, C. (2019), "Bridging the gap between sustainable FM and sustainable buildings – an exploratory study of six public buildings in Norway", *Facilities*, Vol. 37 No. 9/10, pp. 639-652. <https://doi.org/10.1108/F-01-2018-0007>

Lobaccaro, G., Croce, S., Lindkvist, C., Munari, M.C., Scognamiglio, A., Dahlberg, J., Lundgren, M., Wall, M. (2019) "A cross-country perspective on solar energy in urban planning: Lessons learned from international case studies", *Renewable & Sustainable Energy Reviews*, Vol. 108, pp.209-237. <https://doi.org/10.1016/j.rser.2019.03.041>

Lindkvist, C. Juhasz-Nagy, E., Nielsen, B.F., Neumann, H-M, Lobaccaro, G., Wyckmans, A. (2019) "Intermediaries for knowledge transfer in integrated energy planning of urban districts" in *Technological Forecasting and Social Change* Vol. 142, pp.354-364. <https://doi.org/10.1016/j.techfore.2018.07.020>

Whyte, J. Lindkvist, C. and Jaradat, S. (2016) "Passing the baton? Handing over digital data from the project to operations", *Engineering Project Organization Journal*, Vol. 6 Issue 1, pp.2-14, DOI: [10.1080/21573727.2015.1115396](https://doi.org/10.1080/21573727.2015.1115396)

Whyte, J., Stasis, A. and Lindkvist, C. (2016) "Managing change in the delivery of complex projects: Configuration management, asset information and 'big data'", *International Journal*

of *Project Management*. Vol.34, Issue 2, pp. 339-351,  
<https://doi.org/10.1016/j.ijproman.2015.02.006>

Lindkvist, C. (2015) "Contextualizing learning approaches which shape BIM for maintenance. Special issue on 'BIM for Built Asset Management'" *Journal of the Built Environment Project and Asset Management* Vol. 5 Issue. 3, pp. 318-330. <https://doi.org/10.1108/BEPAM-03-2014-0018>

Skjølsvold, T. M. and Lindkvist, C. (2015) Ambivalence, designing users, and user imaginaries in the European smart grid: Insights from an interdisciplinary demonstration project. *Energy Research & Social Science* Vol. 9, pp. 43-50 <https://doi.org/10.1016/j.erss.2015.08.026>

Lindkvist, C., Karlsson, A, Sørnes, K. and Wyckmans, A. (2014) "Barriers and challenges in nZEB Project in Sweden and Norway", *Energy Procedia*, Vol. 58, pp. 199-206  
<https://doi.org/10.1016/j.egypro.2014.10.429>

### Book chapter

Sergeeva, N. and Lindkvist, C. (2019) "Chapter 12: Narratives of innovation that address climate change agenda in the construction sector" in Havenvid, M.I., Linne, Å., Bygballe, L.E., and Harty, C. (eds) *The connectivity of innovation in the construction industry*, London: Routledge pp. 242-266

### Conference Papers/Presentations (Selected)

Lindkvist, C., Temeljotov-Salaj, A., Bjørgberg, .S., Collins, D., Haugen, T.B: (In process) "Urban Facilities Management in Smart Cities" In *proceedings CIB World Building Congress 2019*, Hong Kong

Lindkvist, C. (2018) *Utopia for whom? Project and operational perspectives of energy efficient buildings*. EuroFM. 2018. ISBN 978-94-90694-09-8. Research Papers For the 17th EUROFM Research Symposium EFMC 2018, 5-8 June in Sofia Bulgaria, Tucker, M. (ed.) (17).

Lindkvist, C., Nielsen, B.F. and Neumann, H-M (2016) *Towards holistic planning approaches – starting with common ground*, at EERA Conference 2016, Birmingham

### Reports (Selected)

Lobaccaro, G., Lindkvist, C. and Wall, M. (Eds) (2018) *Lessons learnt from case studies of solar energy in urban planning*. IEA/SHC Task 51 Solar Energy in Urban Planning.  
<http://task51.iea-shc.org/publications>

Lindkvist, C., Wyckmans, A., ZenN project team, (Various organisations). (2017) *ZenN Guidelines: Translation of technical knowledge for nearly zero energy neighbourhoods*. 2017.  
<http://zenn-fp7.eu/publicationsanddeliverables.4.7b47b48513b0e45ae7839b9.html>

Lindkvist, C., ZenN project team, (Various organisations). (2017) *Nearly zero energy neighbourhoods: Energy efficient renovations of residential areas*. 2017. <http://zenn-fp7.eu/publicationsanddeliverables.4.7b47b48513b0e45ae7839b9.html>