

## CV

### Karen Sæbbø Osmundsen

*Karen holds a Ph.D. from the Norwegian School of Economics (NHH). Her research focuses on exploring the socio-technical aspects of digitalization and digital transformation, including the requirements and implications for incumbent firms and the effects on employees and their roles.*

#### Personal Information

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Date of birth: 19. April 1988

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ResearchGate: <https://www.researchgate.net/profile/Karen-Osmundsen>



#### Education

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- 2017 – 2021: **Doctor of Philosophy (Ph.D.)** from Norwegian School of Economics (NHH), Department of Strategy and Management (SOL)  
 Research field: Information Systems  
 Thesis title: “Gather your employees: Digital transformation in incumbent firms. Insights from the Norwegian grid sector”. Date of defence: 23.09.21
- Fall 2020: **Visting PhD Scholar**, Freie Universität Berlin (FUB), Department of Information Systems, Digital Transformation & Strategic Information Management (DITRASIM) (Prof. Dr. Christian Meske).
- 2012 – 2014: **Master of Science (M.Sc.)** in Economics and Business Administration from Norwegian School of Economics (NHH)  
 Major: Business Analysis and Performance Management (BUS)  
 Minor: Financial Economics (FIE)
- 2007 – 2010: **Bachelor of Science (B.Sc.)** in Economics and Business Administration from Bergen University College (HiB) (Now Western Norway University of Applied Sciences (HVL))  
 Major: Logistics

#### Work Experience

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- 2021 – td.: **Norwegian School of Economics (NHH)**, Department of Strategy and Management.  
*Post doctor / Assistant Professor*  
 01.11.21 –  
 Research group: Digital Business  
 Research field: Information systems  
 Research focus: Digitalization, Digital Transformation, Digital Platform Ecosystems, Digital Twins ++

- Course responsible: STR462 Applied Digitalization (master 7,5 ECTS) Fall 2021
- Master thesis supervision: 2 master theses Fall 2021
- Board member: Department Board of Strategy & Management, 2021-2025

2021: **Norwegian School of Economics (NHH)**, Department of Strategy and Management.  
*Lecturer and Researcher (Universitetslektor og Forsker)*  
15.08.21 – 31.10.21

- Course responsible: STR462 Applied Digitalization (master 7,5 ECTS) Fall 2021
- Master thesis supervision: 2 master theses

2017 – 2021: **Norwegian School of Economics (NHH)**, Department of Strategy and Management.  
*Ph.D. Scholar.*

Research field: Information systems

Research focus: Digitalization and Digital Transformation.

Highlights:

- Course responsible: STR453 Digitalization (master 7,5 ECTS) Spring 2020
  - Student evaluation overall course: 4.2 of 5 (response rate 21%)
  - Student evaluation Karen Osmundsen as instructor: 4.8 of 5 (response rate 21%)
- Teaching & guest lectures: SOL11 Project Management (bachelor 7,5 ECTS), STR453 Digitalization (master 7,5 ECTS), STR404 Strategic Analysis (master 7,5 ECTS)
- Teaching assistant: SOL18 Digital Business Understanding (bachelor 7,5 ECTS), SOL11 Project Management (bachelor 7,5 ECTS), STR453 Digitalization (master 7,5 ECTS), STR459 Artificial Intelligence and Robotization (master 7,5 ECTS)
- Master thesis supervision: 7 master theses in total
- (Deputy) Board member: Department Board of Strategy and Management, 2019–2021

2020: **Western Norway University of Applied Sciences (HVL)**. *Lecturer (20 % position)*.  
Autumn 2020

Co-Course responsible: BØA110 Digital Business Understanding (bachelor 7,5 ECTS)

2014 – 2017: **Deloitte AS**, Consulting, Strategy and Operations. *Consultant / Senior Consultant*.  
Working on projects within several industries, as Oil & Gas, Higher Education, Media, Health Care etc. Projects consisted of different areas of expertise, including Business Process Management, Continuous Improvement, Strategy, Organizational Restructuring, Post Merger Integration, Profitability Analysis, etc.

2013 – 2013: **Nordea AS**, Nordea Markets. *Summer Intern*.  
Tasks mainly consisted of an extensive mapping of potential new clients with exposure in interest and currency.

2010 – 2012: **Kuehne+Nagel AS**, Seafreight Department. *Seafreight Operator*.  
Tasks mainly regarded to arranging and administrating export of containers from Norway to abroad, domestic transport, as well as some import of containers to Norway.

2008 – 2009: **Laerdal Medical AS**, Finance Department. *Summer Intern.*

2006 – 2007: **Laerdal Medical AS**, Production Department. *Production worker.*

### Teaching

Institution	Course	Level (ECTS)	Role	Time
NHH	STR462 Applied Digitalization	Master (7.5)	Course responsible	Fall 2021
NHHE	Managing Digitalization (NHHE EMIL)	MBA (15)	Lecturer & Co-course responsible	Fall 2021 / Spring 2022
Western Norway University of Applied Sciences (HVL)	BØA110 Digital Business Understanding	Bachelor (7.5)	Co-course responsible	Fall 2020
NHH	STR453 Digitalization	Master (7,5)	Course responsible	Spring 2020
HVL	DIF001 Digital Business Understanding	MBA (15)	Lecturer	Fall 2019
NHH	STR404 Strategic Analysis	Master (7,5)	Guest lecturer, topic: “Digitalization and Transformation in a Digital Age”	Fall 2019
NHH	STR453 Digitalization	Master (7,5)	Guest lecturer, topic: “Digitalization in the energy sector”	Spring 2019
NHH	SOL11 Project Management	Bachelor (7,5)	Guest lecturer, topics: “The project leader”, “Project organization”	Spring 2018

### Additional Teaching-Related Experience

Institution	Description	Timeframe
NHH	Supervision of master students; in total 7 theses + 2 theses fall 2021	2017-td.
HVL	External examiner master theses. So far examination of 6 master theses conducted. Contract until 2024.	2020-td.
NHH	Course development: STR462 Applied Digitalization (new master course offered Fall 2021)	2020-2021
NHHE	Course development: Managing Digitalization (NHHE EMIL) & Digital Transformation (NHHE Online) (two new NHHE Courses offered Fall 2021)	2020-2021
NHH	Reassessment of grades exams in MET3 Business Data Processing (Bachelor course, 7,5 ECTS)	2018-2020
NHH	Course assistant STR453 Digitalization (Master course, 7,5 ECTS)	2018-2019
NHH	Course assistant SOL18 Digital Business Understanding (Bachelor course, 7,5 ECTS)	2017-2019

NHH	Course assistant SOL11 Project Management (Bachelor course, 7,5 ECTS)	2018-2019
NHH	Course assistant STR459 Artificial Intelligence and Robotization (Master course, 7,5 ECTS)	Spring 2018
NHH	Course development: STR459 Artificial Intelligence and Robotization (new master course offered spring 2018)	Autumn 2017

### Pedagogy courses

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2021 – td. The Teaching Mentor Programme 2021 (50 hours) (ongoing)

2019: Pedagogical Training for NHH Academic Staff (50 hours)

### Selected Publications

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Iden, J., Bygstad, B., Osmundsen, K., Costabile, C., & Øvrelid, E. (2021). *Digital platform ecosystem governance: Preliminary findings and a research agenda*. NOKOBIT 2021 Proceedings.

Osmundsen, K., & Bygstad, B. (2021). Making sense of continuous development of digital infrastructures. *Journal of Information Technology*. (ABS 4)

Meske, C., Osmundsen, K., & Junglas, I. (2021). Designing and implementing a digital twin in the energy grid sector. *MIS Quarterly Executive*, 20(3). (ABS 2)

Osmundsen, K. (2021). Gather your employees: Digital transformation in incumbent firms. Insights from the Norwegian grid sector. (*Doctoral dissertation, Norwegian School of Economics (NHH), Bergen, Norway*).

Osmundsen, K. (2020). *Competences for digital transformation: Insights from the Norwegian energy sector*. Hawaii International Conference on System Sciences (HICCS) 2020 Proceedings.

Osmundsen, K., & Bygstad B., (2020). *Patterns of Interaction: Making sense of digitalization in incumbent firms*. Scandinavian Conference on Information Systems (SCIS) 2020 Proceedings.

Osmundsen, K., & Iden, J. (2019). Robotisert prosessautomatisering i DFØ. *Magma – Tidsskrift for økonomi og ledelse*, 22(3), 51-57.

Osmundsen, K., Iden, J., & Bygstad, B. (2019). *Organizing robotic process automation: Balancing loose and tight coupling*. Hawaii International Conference on System Sciences (HICCS) 2019 Proceedings.

Osmundsen, K., Iden, J., & Bygstad, B. (2018a). *Digital transformation: Drivers, success factors, and implications*. Mediterranean Conference on Information Systems (MCIS) 2018 Proceedings.

Osmundsen, K., Iden, J., & Bygstad, B. (2018b). *Hva er digitalisering, digital innovasjon, og digital transformasjon? En litteraturstudie*. NOKOBIT 2018 Proceedings.

### Work in Progress

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Osmundsen, K., Meske, C. & Thapa, D. Familiarity with artifact totality: Exploring the relation and perception of digital twin affordances through a Heideggerian perspective. *Revised & Resubmitted at Information Systems Journal*. (ABS 4)

Osmundsen, K., & Iden, J. Digital transformation and the need for new competencies. *In progress*.

Osmundsen, K., Considering enterprise social media as organizationally bounded ecosystems. *In progress*.

### Invited Talks

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01.02.2021: **Guest in podcast** “Digital Forretningsforståelse” by Tarjei A. Heggernes. Title: “Karen Osmundsen from NHH about people and digital transformation” (Norwegian)

<https://shows.acast.com/digital-forretningsforstaelse/episodes/karen-osmundsen-fra-nhh-om-mennesker-og-digital-transformasj>

07.11.2019: **Participant in panel debate** at common professional seminar for Universities Norway (Universitets- og høyskolerådet (UHR)) – UHR-MNT (mathematics, natural sciences and technology) and UHR-Economics and administration. Topic of seminar and panel debate: Challenging our traditional education models. (Norwegian)

23.10.2019: **NHH Forum 2019** with Petter Stordalen and Nordic Choice Hotels: PLEASE DISTURB!. Title: “Don’t forget your employees in your digital transformation” + Participation in panel discussion. (English talk + Panel discussion in Norwegian)

27.08.2018: **Guest in podcast** “Digital Forretningsforståelse” by Tarjei A. Heggernes. Title: “Iden and Osmundsen about terminology related to digitalization” (Norwegian)

<https://soundcloud.com/user-860125002/s01e01-iden-og-osmundsen>

27-29.05.2018: **Video speaker** at the European Convention of Engineering Deans - A University Leadership Dialogue 2018 (ECED-ULD 2018). (English)

<https://www.youtube.com/watch?v=kMnR7YyD2vg>