

# **Curriculum Vitae**

**Seppo Leminen**

February 8th, 2022

## **Personal data**

### *Full name and contact details*

Seppo Kalevi Leminen  
Tervamäki 3  
02810 Espoo, Finland  
seppo.leminen(ät)usn.no

### *Date and place of birth (citizenship)*

August 5<sup>th</sup>, 1963: Helsinki, Finland (Finnish)

### *Current position(s), employer (start date)*

- 2020-            Chaired Drammen City Municipality Professor (Full) of Innovation and Entrepreneurship, USN School of Business, University of South-Eastern Norway, Norway (January 6<sup>th</sup>, 2020-)
- Co-leader of a research group CISOM, Collaborative Innovation, Societal transformation and Operations Management in USN (February 4<sup>th</sup>, 2022-).
- 2018-2020     Research Director, Pellervo Economic Research PTT, Finland (August 1<sup>st</sup>, 2018-August 15<sup>th</sup>, 2020)
- 2017-2021     Adjunct Research Professor, Carleton University, Canada (January 1<sup>st</sup>, 2017–June 30<sup>th</sup>, 2021) (Innovation Management) (accredited by AACSB and NIBS, the Network of International Business Schools)
- 2008–           Adjunct Professor (Business Development), Department of Marketing, Aalto University School of Business, Finland (accredited by AACSB, AMBA and EQUIS) (October 1<sup>st</sup>, 2008–)

## **Education**

### *Degrees and institutions*

- 2015            Doctor of Science in Technology, D.Sc. (Tech.), Industrial Engineering and Management, Aalto University School of Science
- “Living Labs as Open Innovation Networks – Networks, Roles, and Innovation Outcomes”; Supervisor: Prof. Matti Vartiainen

- 1999 Doctor of Science in Economics, D.Sc. (Econ.), Marketing, Swedish School of Economics (accredited by AACSB, AMBA and EQUIS) (now the Hanken School of Economics)
- "Gaps in Buyer-Seller Relationship - Case Studies in the Telecommunication Industry"; Supervisor: Prof. Christian Grönroos
- 1994 Licentiate in Technology, Lic. (Tech.), Information Technology, Helsinki University of Technology (now Aalto University School of Electrical Engineering and Automation)
- "Real-time Production Control Principles at a Paper Mill - Background and Information Technology"; Supervisor: Prof. Aarne Halme
- 1989 Master of Science in Engineering, M.Sc. (Eng.), Control Engineering, LUT School of Energy Systems, Lappeenranta University of Technology, Supervisor prof. Jyrki Sinervo
- "Adaptive Control Algorithm for Coating Paper Using Bent Blade Method"

***Other studies (e.g., pedagogical studies)***

- 2014 Digital activism (1 credit), University of Jyväskylä
- 2000 Pedagogical studies in teaching (35 study weeks: 60 credits), Helia University of Applied Sciences (now Haaga Helia University of Applied Sciences), including 15 study weeks pedagogical studies at the University of Helsinki
- 1996 Interactive Telecommunications Program (3 study weeks), Helsinki School of Economics
- 1995 International Business in Germany and France: Marketing Surveys (4 study weeks), Helsinki School of Economics
- 1987–1988 Fachrichtung Elektrotechnik, Fachgebiet Regelsystemtechnik und Prozessautomatisierung, Technische hochschule Darmstadt, Germany

***Language skills***

- Finnish, native speaker
- English, very good command
- Swedish, very good command
- German, very good command

***Language studies and certificates***

- 2017 Teaching in English, teaching in multicultural classrooms, arranged by Optimitraining, Vantaa, Finland
- 2013 IELTS language certificate (9/2013), Overall Band Score 6.0
- 2012-2014 Staff English training, Laurea University of Applied Sciences, Espoo Finland
- 2011 Advances English, arranged by Kielipalvelu, Vantaa, Finland

- 2009 English as a Tool for Teaching (30 ECTS credits)  
Teacher Education College, Jyväskylä University of Applied Sciences (including 5 days of intensive training in Oxford, England)
- 1987–1988 Sprachenzentrum, erforderlichen Kenntnisse in der deutschen Sprachen  
Technische Hochschule Darmstadt, Germany

## **Previous employment**

### *Academic appointments*

- 2018-2020 Research Director, Pellervo Economic Research PTT, Finland (08/2018-08/2020)
- 2017-2021 Adjunct Research Professor, Carleton University, Canada (01/2017-06/2021)  
(accredited by AACSB and NIBS, the Network of International Business Schools)
- 2008 – Adjunct Professor (Business Development), Department of Marketing, Aalto University School of Business (accredited by AACSB, AMBA and EQUIS)  
(10/2008–)
- 2005 –2018 Principal Lecturer, Laurea University of Applied Sciences (8/2005–5/2018)
- 2002–2005 Director, Institute for Marketing and International Business, LTT Research Ltd (a subsidiary of Helsinki School of Economics) (8/2002–7/2005)
- 1999–2001 Principal lecturer, Helia University of Applied Sciences (now Haaga-Helia University of Applied Sciences) (8/1999–2/2001)
- 1999–1998 Researcher, Swedish School of Economics (now Hanken School of Economics), Centre for Relationship Marketing and Service Management (accredited by AACSB, AMBA and EQUIS) (1/1998–3/1999)
- 1997–1997 Visiting Scholar, Stockholm School of Economics, Department of Marketing, Distribution and Industry Dynamics, Sweden (10/1997–12/1997)
- 1997–1996 Researcher, Swedish School of Economics (now the Hanken School of Economics), Center for Relationship Marketing and Service Management (accredited by AACSB, AMBA and EQUIS) (2/1996–10/1997)
- 1987–1986 Assistant, Lappeenranta University of Technology (6/1986–9/1987)

### *Industrial experience*

- 2001–2002 Director, Investment Projects (Investments), Invest in Finland (1/2001–6/2002); now Finpro
- 1999– Management Consultant, Gapnet Ltd. (3/1999–)

- 1995–1998 Project & Product Manager (Business Process Development, Sales), LM Ericsson Ltd. (now Ericsson Ltd.) (2/1995–2/1998)
- 1989–1995 Research & Design Engineer (Development, Engineering), Jaakko Pöyry Ltd. (now Poyry Ltd.) (8/1989–2/1995)
- Prior to 1989 Several jobs related to engineering at Honeywell; Beznau’s nuclear power plant, Switzerland; Electronic Power Plant Rheinfelden, Germany; Pyropower Co., San Diego, USA

## **International mobility**

### ***Research visits***

- 2015–2015 Visiting Scholar, Carleton University, Sprott School of Business, Canada (August, 12th - 15th /2015)
- 2015–2015 Visiting Scholar, Simon Fraser University, Beedie School of Business and the CMA Innovation Centre, Canada (August, 5<sup>th</sup> – 7<sup>th</sup> /2015)
- 1997–1997 Visiting Scholar, Stockholm School of Economics, Department of Marketing, Distribution and Industry Dynamics, Sweden (12/1997–10/1997)

### ***Fields of research***

User innovation, Living labs, Business models, Value co-creation, Internet of Things, Block chains, Service marketing, Technology Entrepreneurship, Inter-organizational networks, Business ecosystems, Consumer marketing, Innovation management, Business-to Business Marketing, Robots

## Summary of publications.

	<b>Lifetime summary</b>	<b>Since 2017</b>
<b>Articles in refereed international scientific journals</b>	48	23
<b>Articles in international scientific compilations and refereed international scientific conference proceedings</b>	69	16
<b>Articles in domestic peer-reviewed journals</b>	NA	NA
<b>Articles in Finnish scientific compilations and refereed Finnish scientific conference proceedings</b>	23	0
<b>Scientific monographs</b>	3	0
<b>Other scientific publications (e.g., articles in scientific non-refereed journals and publications in university and institute series)</b>	22	6
<b>Other publications (e.g., textbooks, popular science articles)</b>	69	11
<b>Total</b>	<b>235</b>	<b>56</b>

Note: The table includes works that have been published or are accepted for publication

## *Google Scholar Citations and h-index*

[http://bit.ly/Google\\_Scholar\\_Leminen](http://bit.ly/Google_Scholar_Leminen)

<b>Citation indexes (Google Scholar accessed February 8, 2022)</b>	<b>Lifetime summary</b>	<b>Since 2017</b>
<b>Citations</b>	4044	2995
<b>H-index</b>	30	28

ResearchGate: [https://www.researchgate.net/profile/Seppo\\_Leminen](https://www.researchgate.net/profile/Seppo_Leminen)

## 1. Articles in international peer-reviewed journals

1. **Leminen, S.**, Rajahonka, M., Westerlund, M., & Hossain, M. (2021). Collaborative Innovation for Sustainability in Nordic Cities. *Journal of Cleaner Production*. 328, 129549. (2020 Impact Factor: 9.297, **2020 NSD: 2, 2021 AJG: 2**, 2019 ABDC: A, 2021 JUFO 2)
2. Westerlund, M., Nene, S., **Leminen, S.**, Rajahonka, M. (2021). An Exploration of Blockchain-based Traceability in Food Supply Chains: On the Benefits of Distributed Digital Records from Farm to Fork. *Technology Innovation Management Review*, 11(6), 6-18. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
3. Westerlund, M., Isabelle, D. & **Leminen, S.** (2021). The acceptance of digital surveillance in the age of Big Data. *Technology Innovation Management Review*. 11(3), 32-44. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
4. Engez, A., **Leminen, S.**, & Aarikka-Stenroos, L. (2021). Urban living lab as a circular economy ecosystem: Advancing environmental sustainability through economic value, material, and knowledge flows. *Sustainability*. 13(5), 2811 (2020 Impact Factor: 3.251, **2020 NSD: 1**, 2021 JUFO 1)
5. Greve, K., De Vita, R., **Leminen, S.**, & Westerlund, M. (2021). Living Labs: From niche to mainstream innovation management. *Sustainability*. 13(2), 791 (2020 Impact Factor: 3.251, **2020 NSD: 1**, 2021 JUFO 1)
6. **Leminen, S.**, Nyström, A.-G., & Westerlund, M. (2020). Change processes in open innovation networks – exploring living labs. *Industrial Marketing Management*. 91, 701-718. (2020 Impact Factor: 6.96, **2020 NSD: 2, 2021 AJG: 3**, 2019 ABDC: A\*, 2021 JUFO 2)
7. **Leminen, S.**, Rajahonka, M., Wendelin, R., & Westerlund, M. (2020). Industrial Internet of Things Business Models in the Machine-to-Machine Context. *Industrial Marketing Management*. 84, 298-311. (2020 Impact Factor: 6.96, **2020 NSD: 2, 2021 AJG: 3**, 2019 ABDC: A\*, 2021 JUFO 2)
8. Greve, K., **Leminen, S.**, De Vita, R., & Westerlund, M. (2020). Unveiling the diversity of scholarly debate on living labs: A bibliometric approach. *International Journal of Innovation Management (IJIM)*. 24(8), 2040003-1- 2040003-25 (2020 CiteScore: 3.3, **2020 NSD: 1, 2021 AJG: 2**, 2021 JUFO 1)
9. Isabelle, D., Westerlund, M., Mane, M. & **Leminen, S.** (2020). The role of analytics in data-driven business models of multi-sided platforms: An exploration in the food industry. *Technology Innovation Management Review*. 10(7), 4-15. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)

10. Hossain, M., **Leminen, S.**, & Westerlund, M. (2019). A Systematic Review of Living Lab Literature. *Journal of Cleaner Production*. 213, 976-988. (2020 Impact Factor: 9.297, **2020 NSD: 2, 2021 AJG: 2**, 2019 ABDC: A, 2021 JUFO 2)
11. **Leminen, S.**, & Westerlund, M. (2019). Living labs: From Scattered Initiatives to Global Movement. *Creativity and Innovation Management*. 28(2), 250-264. (2020 Impact Factor: 3.051, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: C, 2021 JUFO 1)
12. Isabelle, D. A., Westerlund, M., Rajala, R., & **Leminen, S.** (2019). Understanding the aspirations of Finnish entrepreneurs and venture capitalists: their effects on international operations and growth. *International Journal of Entrepreneurship and Small Business*. 37(2), 190-213 (2020 CiteScore 1.2. **2020 NSD: 1, 2021 AJG: 2**, 2021 JUFO 1)
13. **Leminen, S.**, Rajahonka, M., Westerlund, M., & Wendelin R. (2018). The Future of the Internet of Things: Toward Heterarchical Ecosystems and Service Business Models. *Journal of Business & Industrial Marketing*. 33(6), 749-767. (2020 Clarity Analytics Impact Factor: 3.462, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: A, 2021 JUFO 1)
14. Westerlund, M., **Leminen, S.**, & Habib, C. (2018). Key Constructs and a Definition of Living Labs as Innovation Platforms. *Technology Innovation Management Review*. 8(12), 51-62. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
15. Westerlund, M., & **Leminen, S.** (2018). Does Entrepreneurial Marketing Underrate Competition? *Technology Innovation Management Review*. 8(9), 16-27. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
16. Westerlund, M., **Leminen, S.**, & Rajahonka, M. (2018). A Topic Modeling Analysis of Living Labs Research. *Technology Innovation Management Review*. 8(7), 40-51. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
17. **Leminen, S.**, Westerlund, M., & Rajahonka, M. (2017). Innovating with Service Robots in Health and Welfare Living Labs. *International Journal of Innovation Management (IJIM)*. 21(8), 1740013-1-1740013-24. (2020 CiteScore: 3.3, **2020 NSD: 1, 2021 AJG: 2**, 2021, JUFO 1)
18. **Leminen, S.**, Rajahonka, M., & Westerlund, M. (2017). Towards Third-Generation Living Lab Networks in Cities. *Technology Innovation Management Review*. 7(11), 21-35. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
19. Öberg, C., & **Leminen, S.** (2017). Gap analysis for innovative firm acquisition – Acquirer and target company perspectives. *Journal of Organizational Change Management*. 30(3), 380-395. (2020 Clarity Analytics Impact Factor: 2.293, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)

20. Westerlund, M., Rajala, R., **Leminen, S.**, & Isabelle, D.A. (2017). Do relationships facilitate growth in small technology firms? *International Journal of Technoentrepreneurship*. 3(3), 228–243. (2020 CiteScore: 0.4, **2020 NSD: 1, 2021 AJG: -**, 2021 JUFO 1)
21. **Leminen, S.**, Rajahonka, M., & Westerlund, M. (2017). Actors in the emerging Internet of Things ecosystems. *International Journal of E-services and Mobile Applications (IJESMA)*. 9(1), 57-75. (**2020 NSD: 1, 2021 AJG: -**, 2021 JUFO 1)  
 ✓ Featured Article in March 2017 issue in the Informed Librarian Online ([www.informedlibrarian.com](http://www.informedlibrarian.com))  
 ✓ Republished as a book chapter: Leminen, S., Rajahonka, M., & Westerlund, M. (2020). Actors in the Emerging Internet of Things Ecosystems. In I. Management Association (Ed.), *Disruptive Technology: Concepts, Methodologies, Tools, and Applications* (pp. 265-285). Hershey, PA: IGI Global.  
 ✓ Republished as a book chapter: Leminen, S., Rajahonka, M., & Westerlund, M. (2020). Actors in the Emerging Internet of Things Ecosystems. In I. Management Association (Ed.), *Securing the Internet of Things: Concepts, Methodologies, Tools, and Applications* (pp. 1587-1607). Hershey, PA: IGI Global.  
 ✓ Republished as a book chapter: Leminen, S., Rajahonka, M., & Westerlund, M. (2020). Actors in the Emerging Internet of Things Ecosystems. In I. Management Association (Ed.), *Sustainable Business: Concepts, Methodologies, Tools, and Applications* (pp. 617-637). Hershey, PA: IGI Global.
22. **Leminen, S.**, & Westerlund, M. (2017). Categorization of Innovation Tools in Living Labs. *Technology Innovation Management Review*. 7(1), 15–25. **2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
23. Westerlund, M., Isabelle, D., Rajala, R., & **Leminen, S.** (2017). Networks, business models, and competitiveness in small Finnish firms. *International Journal of Business and Globalisation*, 18(1), 9-26. (2020 CiteScore: 0.9, **2020 NSD: 1, 2021 AJG: -**, 2021 JUFO 1)
24. **Leminen, S.**, Westerlund, M., Nyström, A.-G., & Kortelainen, M. (2016). The Effect of Network Structure on Radical Innovation in Living Labs. *Journal of Business & Industrial Marketing*, 31(6), 743-757. (2020 Clarity Analytics Impact Factor: 3.462, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: A, 2021 JUFO 1)
25. **Leminen, S.**, & Westerlund, M. (2016). A Framework for Understanding the Different Research Avenues of Living Labs. *International Journal of Technology Marketing*, 11(4): 399–420. (2020 CiteScore: 1,7, **2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1),
26. Westerlund M., Isabelle, D.A., Rajala, R., & **Leminen, S.** (2016). Funders and founders: Partners in good times and in bad? *International Journal of Globalisation*

- and Small Business*, 8(3), 269-288. (2020 CiteScore: 1.5, **2020 NSD: 1, 2021 AJG: 1, 2021 JUFO 1**)
27. **Leminen, S.**, Turunen, T., & Westerlund, M. (2015). The Grey Areas Between Open and Closed in Innovation Networks. *Technology Innovation Management Review*, 5(12), 6-18. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
  28. Tukiainen, T., **Leminen, S.**, & Westerlund, M. (2015). Cities as Collaborative Innovation Platforms. *Technology Innovation Management Review*, 5(10), 16-23. (**2020 NSD: 1, 2018 AJG:-**, 2019 ABDC: C, 2021 JUFO 1)
  29. **Leminen, S.**, Nyström, A.-G., & Westerlund, M. (2015). A Typology of Creative Consumers in Living Labs. *Journal of Engineering and Technology Management*, 37, 6-20. (2020 Impact Factor: 3.347, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
  30. Nyström, A.-G., **Leminen, S.**, Westerlund, M., & Kortelainen, M. (2014). Actor roles and role patterns influencing innovation in living labs. *Industrial Marketing Management*, 43(3), 483–495. (2020 Impact Factor: 6.96, **2020 NSD: 2, 2021 AJG: 3**, 2019 ABDC: A\*, 2021 JUFO 2)
  31. Westerlund, M., **Leminen, S.**, & Rajahonka, M. (2014). Designing Business Models for the Internet of Things. *Technology Innovation Management Review*, 4(7), 5–14. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
  32. **Leminen, S.**, Westerlund, M., & Nyström, A.-G. (2014). On Becoming Creative Consumers – User Roles in Living Labs Networks. *International Journal of Technology Marketing*, 9(1), 33–52. (2020 CiteScore: 1.7, **2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
  33. Veeckman, C., Schuurman, D., **Leminen, S.**, & Westerlund, M. (2013). Linking Living Lab Characteristics and Their Outcomes: Towards a Conceptual Framework. *Technology Innovation Management Review*, 3(11), 6–15. (**2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
    - ✓ Republished as a book chapter in: Westerlund, M. & Leminen, S. (Eds.) (2015). *The Best of TIM Review for Living Labs- 17 of the best articles from the TIM Review [eBook Kindle Edition]*. Publisher: Talent First Network
  34. **Leminen, S.** (2013). Coordination and Participation in Living Lab Networks. *Technology Innovation Management Review*, 3(11), 5–14. (**2020 NSD: 1, 2021 AJG: 1** 2019 ABDC: C, 2021 JUFO 1)
    - ✓ Republished as a book chapter in: Westerlund, M. & Leminen, S. (Eds.) (2015). *The Best of TIM Review for Living Labs- 17 of the best articles from the TIM Review [eBook Kindle Edition]*. Publisher: Talent First Network

35. Salo, J., Kajalo, S., Mäntymäki, M., Sihvonen, A., & **Leminen, S.** (2013). Consumer acceptance of electronic reading devices: an empirical study from Finland. *Journal of Information Technology Research*, 6(1), 20–31. (2020 NSD: 1, 2021 AJG: -, 2020: JUFO 0)
36. **Leminen, S.**, & Westerlund, M. (2012). Towards Innovation in Living Labs Network. *International Journal of Product Development*, 17(1/2), 43–59. (2020 CiteScore: 1.2, 2020 NSD: 1, 2018 AJG: 1, 2021 JUFO 1)
37. Suomala, J., Palokangas, L., **Leminen, S.**, Westerlund, M., Heinonen, J., & Numminen, J. (2012). Neuromarketing: Understanding Customers' Subconscious Responses to Marketing. *Technology Innovation Management Review*, 2(12), 12–20. (2020 NSD: 1, 2021 AJG: 1, 2019 ABDC: C, 2021 JUFO 1)  
 ✓ Republished as a book chapter in: McPhee, C. & Carbone, P. (Eds.) (2016). Most Popular Articles: Best of TIM Review [eBook Kindle Edition]. Publisher: Talent First Network
38. Niitamo, V.-P., Westerlund, M., & **Leminen, S.** (2012). A Small-Firm Perspective on the Benefits of Living Labs. *Technology Innovation Management Review*, 2(9), 44–49. (2020 NSD: 1, 2021 AJG: 1, 2019 ABDC: C, 2021 JUFO 1)  
 ✓ Republished as a book chapter in: Westerlund, M. & Leminen, S. (Eds.) (2015). The Best of TIM Review for Living Labs- 17 of the best articles from the TIM Review [eBook Kindle Edition]. Publisher: Talent First Network
39. **Leminen, S.**, Westerlund, M., & Nyström A.-G. (2012). Living Labs as Open Innovation Networks. *Technology Innovation Management Review*, 2(9), 6–11. (2020 NSD: 1, 2021 AJG: 1, 2019 ABDC: C, 2021 JUFO 1)  
 ✓ Republished as a book chapter in: Westerlund, M. & Leminen, S. (Eds.) (2015). The Best of TIM Review for Living Labs- 17 of the best articles from the TIM Review [eBook Kindle Edition]. Publisher: Talent First Network
40. **Leminen, S.**, & Westerlund, M. (2012). Categorizing the Growth Strategies of Small Firms. *Technology Innovation Management Review*, 9(5), 5–9. (2020 NSD: 1, 2021 AJG: 1, 2019 ABDC: C, 2021 JUFO 1)  
 ✓ Republished as a book chapter in: Bailetti, T. & Hurley, B. (Eds.) (2013). Best of TIM Review for Technology Entrepreneurs [Kindle Edition]. Talent First Network: Ottawa.
41. Westerlund, M., & **Leminen, S.** (2011). Managing the Challenges of Becoming an Open Innovation Company: Experiences from Living Labs. *Technology Innovation Management Review*, 1(10), 19–25. (2020 NSD: 1, 2021 AJG: 1, 2019 ABDC: C, 2021 JUFO 1)

- ✓ Republished as a book chapter in: Westerlund, M. & Leminen, S. (Eds.) (2015). *The Best of TIM Review for Living Labs- 17 of the best articles from the TIM Review* [eBook Kindle Edition]. Publisher: Talent First Network
- 42. Huhtala, J., Sihvonen, A., & **Leminen, S.** (2011). Emerging Business Models in the e-Reading Context. *Journal of Digital Marketing*, 2(2), 47–63. (**2020 NSD: -, 2021 AJG:-, )**)
- 43. Westerlund, M, Rajala, R., & **Leminen, S.** (2008). SME Business Models in Global Competition: A Network Perspective. *International Journal of Globalisation and Small Business*, 2(3), 342–358. (2020 CiteScore: 1.5, **2020 NSD: 1, 2021 AJG: 1**, 2019 ABDC: C, 2021 JUFO 1)
- 44. Rajala, R., Westerlund, M., Rajala, A., & **Leminen, S.** (2007). Knowledge-intensive Service Activities in the Software Business. *International Journal of Technology Management*, 41(3/4), 273–290. (2020 CiteScore: 2.0, **2020 NSD: 2, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
- 45. **Leminen, S.** (2001). Business Logic in Buyer-seller Relationships. *Management Decision*, 39(8), 660–665. (2020 Clarity Analytics Impact Factor: 4.957, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
- 46. **Leminen, S.** (2001). Development of Gaps in Buyer-seller Relationships. *Management Decision*, 39(6), 470-474. (2020 Clarity Analytics Impact Factor: 4.957, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
- 47. **Leminen, S.** (2001). Seven Glasses for Buyer-seller Relationships: A Framework for Analysing Gaps. *Management Decision*, 39(5), 379–387. (2020 Clarity Analytics Impact Factor: 4.957, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
- 48. **Leminen, S.** (2001). Gaps in Buyer-seller Relationships. *Management Decision*, 39(3), 180–189. (2020 Clarity Analytics Impact Factor: 4.957, **2020 NSD: 1, 2021 AJG: 2**, 2019 ABDC: B, 2021 JUFO 1)
- 3. Articles in international peer-reviewed volumes of scientific significance and articles in peer-reviewed conference proceedings**
- 49. **Leminen, S.**, Greve, K., Rajahonka, M., & Westerlund, M. (2021). Inside the Black Box: Innovation dynamics in Living Labs. The XXXII ISPIM Innovation Conference, June 20-23, Berlin, Germany.
- 50. Momrak, A.M., **Leminen, S.**, & Morais-Storz, M. (2021). Multi-stakeholder platforms promoting collaborative sustainability-oriented innovation. The XXXII ISPIM Innovation Conference, June 20-23, Berlin, Germany.

51. Westerlund, M., Isabelle, D., & **Leminen**, S. (2020). A machine-learning analysis of videos on entrepreneurial fear of failure. ISPIIM Connects Global, 6-8 December Virtual Event.
52. Westerlund, M., Isabelle, D. & **Leminen**, S. (2020). Citizen acceptance of mass surveillance? Identity, intelligence and biodata concerns. ISPIIM Connects Global, 6-8 December Virtual Event.
53. Greve, K., **Leminen**, S., De Vita, R., & Westerlund, M. (2020). Mapping the Living Lab Debate: Origins and Future Research Directions. The ISPIIM Innovation Conference – Innovating in Times of Crisis, 7-10 June 2020.
54. Engez, A., **Leminen**, S., & Aarikka-Stenroos, L. (2020). Towards Sustainability in Urban Living Labs - Dynamics of Actor Roles. The ISPIIM Innovation Conference – Innovating in Times of Crisis, 7-10 June 2020.
55. **Leminen**, S., Rajahonka, M., & Westerlund, M. (2019). Innovation Mechanism(s) in Third-Generation Living Labs: Towards Unification of Collaborative Innovation Networks. The XXX ISPIIM Innovation Conference, June 16-19, Florence, Italy.
56. Westerlund, M., Rajala, R., Isabelle, D.A., **Leminen**, S., Basbaih, R., & Korhonen, H. (2019). A multifactor model for (digital) innovation in allergy-free food retailing. The XXVIV ISPIIM Innovation Conference, April 7-10, Ottawa, Canada. **Award nominee: Dick Marsh Award for Best Paper**
57. Nene, S., Westerlund, M., **Leminen**, S., & Rajahonka, M. (2019). Benefits of Blockchain-based Traceability in Food Supply Chains. The XXVIV ISPIIM Innovation Conference, April 7-10, Ottawa, Canada.
58. Westerlund, M., Oluwadamilola, O., Rajahonka, M., & **Leminen**, S. (2019). Topic modeling on e-petition data to understand service innovation resistance. The XXVIV ISPIIM Innovation Conference, April 7-10, Ottawa, Canada.
59. Westerlund, M., Mahmood, Z., **Leminen**, S., & Rajahonka, M. (2019). Topic modeling analysis of online reviews: Indian restaurants at Amazon.com. The XXVIV ISPIIM Innovation Conference, April 7-10, Ottawa, Canada.
60. Westerlund, M., Singh, I., Rajahonka, M., & **Leminen**, S. (2019). Can short-text project summaries predict funding success on crowdfunding platforms. The XXVIV ISPIIM Innovation Conference, April 7-10, Ottawa, Canada.
61. **Leminen**, S., Westerlund, M., & Rajahonka, M. (2018). Third-Generation Living Labs: Towards Incarnation of Collaborative Innovation Networks. The XXVIII ISPIIM Innovation Conference, June 17-20, Stockholm, Sweden.

62. **Leminen, S., Niitamo, V.-P., & Westerlund, M. (2017).** A Brief History of Living labs: From Scattered Initiatives to Global Movement. OpenLivingLab days 2017. August 29–September 1, 2017. Krakow, Poland.
63. Isabelle, D. A., Westerlund, M., **Leminen, S., & Rajala, R. (2017).** Public venture capital and entrepreneurial cognizance: Effects on the performance of small international companies. AIB 2017 Annual Meeting, July 2-5, Dubai, United Arab Emirates
64. **Leminen, S., Westerlund, M., & Rajahonka, M. (2017).** Innovating with service robots in living labs. The XXVIII ISPIM Innovation Conference, June 18-21, Vienna, Austria  
**\*AWARD: Best Paper on Technology Implications Award\***  
**Award nominee: The Knut Holt Award for Best Paper**
65. **Leminen, S., & Westerlund, M. (2016).** Innovation Tools in Living Labs. The XXVII ISPIM Innovation Conference, June 19-22, Porto, Portugal
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69. Habib, C., Westerlund, M., & **Leminen, S. (2015).** Living Lab As Innovation Platforms: The Key Constructs. The 6th ENoLL Living labs Summer School. August 25–28, 2015. Istanbul, Turkey.
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118. **Leminen, S.** (1993). Grade Specific Cost Accounting and Production Cost Control Characteristics at Paper Mill. Orpana, V. & Lukka, A. (Eds.), *Production Research 1993*. *Advances in Industrial Engineering* 17. 719–720. Elsevier

#### 4. Articles in domestic peer-reviewed journals

N/A

#### 5. Articles in domestic peer-reviewed volumes of scientific significance and articles in domestic peer-reviewed conference proceedings

119. **Leminen, S., Huhtala, J.-P., Könkkölä, S., Laivuori, T., Lindholm, J., & Sihvonen, A.** (2012). Last Words. In Leminen, S., Huhtala, J.-P. & Sihvonen, A. (Eds.), *Digital Service Concepts and Business Models - Current State and Future Prospects*. Laurea publications 10. 57 p. 48–51. Edita Prima Ltd. Helsinki. Finland.
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130. **Leminen, S.**, & Kortelainen M. J. (2012). Living Labs – Views and Experiences of Involving End Users and Customers, Learning and Competence Creating Ecosystem – LCCE. In Pelli, R. & Ruohonen, S. (Eds.) Kymenlaakso University of Applied Sciences 2012. 82–87. Tammerprint Ltd. Tampere. Finland.
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133. Huhtala, J.-P., Hautanen, J., Salo, J., & **Leminen, S.** (2011). Conclusions. In Huhtala, J., Salo, J. & Leminen, S. (Eds.) Multichannel Multimarket Media Services – Dynamic Media Business Models, Value Chains and Ecosystems. Laurea Publications A75. 31 p. 26–29. Vantaa. Finland.
134. Huhtala, J.-P., Hautanen, J., Salo, J., & **Leminen, S.** (2011). Analysis and Findings. In Huhtala, J., Salo, J. & **Leminen, S.** (Eds.) Multichannel Multimarket Media Services – Dynamic Media Business Models, Value Chains and Ecosystems. Laurea Publications A75. 31 p. 14–25. Vantaa. Finland.
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138. Huhtala, J.-P., Tölö, M., Siuruainen, R., Rajahonka, M., & **Leminen, S.** (2011). Business models cases in digital landscape. In Leminen S. & Salo, J. (Eds.) *eReading Services Business Models and Concepts in Media Industry*. Laurea Publications A73. 165 p. 76–135. Vantaa, Finland.
139. **Leminen, S.**, Huhtala, J.-P., & Tölö, M. (2011). Current State of Media Industry Analysis in Finland. In Leminen S. & Salo, J. (Eds.) *eReading Services Business Models and Concepts in Media Industry*. Laurea Publications A73. 165 p. 69–75. Vantaa, Finland.
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## **6. Scientific monographs**

142. **Leminen, S.** (2015). *Living Labs as Open Innovation Networks- Networks, Roles and Innovation Outcomes*. Aalto University. Helsinki, Finland. Doctoral thesis.
143. **Leminen, S.** (1999). *Gaps in Buyer-Seller Relationship – Case Studies in the Telecommunication Industry*. Swedish School of Economics. Helsinki, Finland. Doctoral thesis.
144. **Leminen, S.** (1994). *Real-time Production Control Principles at a Paper Mill – Background and Information Technology*. Helsinki University of Technology. Helsinki, Finland. Licentiate thesis.

## **7. Other scientific publications, e.g., articles in scientific journals and conference proceedings with no peer-review process, and in university or department publications.**

145. Leminen, S., & Schuurman, D. (2021). Editorial: Living Labs. *Technology Innovation Management Review*, 11(9/10), 3-5.
146. Schuurman, D. & Leminen, S. (2021). Living Labs Past Achievements, Current Developments and Future Trajectories. *Sustainability*, 13, 10703.
147. McPhee, C., **Leminen**, S., Schuurman, D., Westerlund, M., & Huizingh, E. (2018). Editorial: Living Labs. *Technology Innovation Management Review*, 8(12): 3–6.
148. Hennala, L., Koistinen, P., Kyrki, V., Joni-Kristian Kämäräinen, J.-P., Laitinen, A., Lanne, M., Lehtinen, H., **Leminen**, S., Melkas, H., Niemelä, M., Parviainen, J., Pekkarinen, S., Pieters, R., Pirhonen, J., Ruohomäki, I., Särkikoski, T., Tuisku, O., Tuominen, K., Turja, T., & Van Aerscht, L. (2017). Robotics in Care Services: A Finnish Roadmap. 40 p., June 1, 2017
149. McPhee, C., **Leminen**, S., Westerlund, M., Schuurman, D., & Ballon, P. (2017). Editorial: Innovation in Living Labs. *Technology Innovation Management Review*, 7(2), 3-6.
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154. Westerlund, M., & **Leminen**, S. (2015) Editorial: Living Labs: The Best of TIM Review - 17 of the best articles from the *TIM Review* [eBook Kindle Edition]. Publisher: Talent First Network
155. McPhee, C., **Leminen**, S., Schuurman, D., Westerlund, M., & Huizingh, E. (2015). Editorial: Living Labs and User Innovation. *Technology Innovation Management Review*, 5(12), 3–4.
156. McPhee, C., Tukiainen, T., **Leminen**, S., & Westerlund, M. (2015). Editorial: Smart Cities and Regions. *Technology Innovation Management Review*, 5(10), 3–6.

157. **Leminen, S.** (2015). Q&A. What Are Living Labs? *Technology Innovation Management Review*, 5(9), 32-38.
158. **Leminen, S., Rajahonka, M., Westerlund, M., & Siuruainen, R.** (2015) Ecosystem Business Models for the Internet of Things. Internet of Things Finland, 1/2015. Varjonen, S. (Ed.). Publisher Digile Ltd. www. IOT.fi. 64 p. 10–13. Finland.
159. **Leminen, S., Rajahonka, M., Siuruainen, R., & Westerlund, M.** (2014). Opportunities and Challenges for Innovative IOT Business Models - A Delphi Study. Internet of Things Finland, 1/2014. Varjonen, S. (Ed.). Publisher Digile Ltd. www.IOT.fi. 52 p. 12–16. Finland.
160. **Leminen, S., Westerlund, M., Rajahonka, M., & Siuruainen, R.** (2013). Building Networked IoT Business Model Scenarios with a Delphi Study, Internet of Things Finland, 1/2013, 15–16. Finland.
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162. Ahokangas, P., Shveykovskiy, A., & **Leminen, S.** (2013). Discussion. in Mazhelis, O., Warma, H., Leminen, S., Ahokangas, P., Pussinen, P., Rajahonka, M., Siuruainen, R., Okkonen, H., Shveykovskiy, A. & Myllykoski, J. (2013). Internet-of-Things Market, Value Networks, and Business Models: State of the Art Report. Computer Science and Information Systems Reports. Technical Reports TR-39. 85–86. Jyväskylä, Finland.
163. **Leminen, S., Westerlund, M., Sánchez, L., & Serra, A.** (2013). Media Co-creation with Users at Citilab Living Lab. 6th Conference Of The Immaa, International Media Management Academic Association, New Business Models and Policies for Media and Creative Industries - Challenges to Research and Teaching of Media Management. May 3–4, 2013. Nova University. Lisbon, Portugal.
164. McPhee, C., **Leminen, S., & Westerlund, M.** (2013). Editorial: Living Labs and Crowdsourcing. *Technology Innovation Management Review*, 3(12), 3–5.
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## 8. Other publications (textbooks, articles popularising science, etc.)

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### *Presentations in conferences*

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|------|--|
| 2021 | The XXXII ISPIM Innovation Conference, June 20-23, Berlin, Germany.          |
| 2019 | The XXX ISPIM Innovation Conference, June 16-19, Florence, Italy.            |
| 2017 | OpenLivingLab days 2017. August 29–September 1, 2017. Krakow, Poland.        |
| 2017 | The XXVIII ISPIM Innovation Conference, June 18-21, Vienna, Austria          |
| 2015 | 25th Annual Reser Conference September 10–12. 2015. Copenhagen. Denmark.     |
| 2015 | The 6th ENoLL Living labs Summer School. August 25–28. Istanbul. Turkey.     |
| 2015 | CMA Innovation Centre Special Issue Conference. August 6. Vancouver. Canada. |

- 2015 The XXVI ISPIM Conference – Shaping the Frontiers of Innovation Management. June 14-17. 2015. Budapest. Hungary.
- 2015 6th International Seminar on Service Modularity: Architectures, Platforms and Interfaces. January 15–16. Helsinki. Finland.
- 2014 The XXV ISPIM Conference – Innovation for Sustainable Economy & Society. June 8–11. Dublin. Ireland.
- 2013 Cambridge Academic Design Management Conference (CADMC). September 4–5. 2013. Cambridge. UK.
- 2013 EURAM, June 26–29. Istanbul. Turkey.
- 2013 The XXIV ISPIM Conference - Innovating in Global Markets: Challenges for Sustainable Growth. June 16–19. Helsinki. Finland.
- 2013 6TH CONFERENCE OF THE IMMAA, INTERNATIONAL MEDIA MANAGEMENT ACADEMIC ASSOCIATION, New Business Models and Policies for Media and Creative Industries – Challenges to Research and Teaching of Media Management, May 3–4. Lisbon. Portugal.
- 2012 Service Operations Management Forum: Fifth International Workshop. September 19–20, 2012. Cambridge. UK.
- 2012 INUSE Users and Innovation Research Seminar. October 9. Espoo. Finland.
- 2012 The 3rd ENoLL Living labs Summer School. August 20–23. Espoo/Helsinki. Finland.
- 2012 AMA SERVSIG International Service Research Conference. June 7–9. Helsinki. Finland.
- 2012 The 5th conference on Internet of Things and Smart Spaces ruSMART 2012. August 27–28. St.-Petersburg. Russia
- 2012 The XXIII ISPIM Conference – Action for Innovation: Innovating from Experience, 17–20, June. Barcelona. Spain.
- 2012 The 17th Nordic Conference on Small Business Research. May 23–25. Helsinki. Finland.
- 2012 The First Innovation in Business Network Seminar. March 22–23. Kolding. Denmark.
- 2011 The 1<sup>st</sup> Cambridge Academic Design Management Conference. September 7–8. Cambridge. UK.
- 2011 The 26th IMP Conference. September 1–3. Glasgow. Scotland.
- 2011 The 17th International Conference on Concurrent Enterprising (ICE2011). 20–22 June. Aachen. Germany.
- 2011 The Second International Service Modularity Seminar. Aalto University School of Economics. January 20–21. Helsinki. Finland.
- 2010 Learning by developing new ways to learn- Conference of Future Expertise in Higher Education. 12–15 October. Helsinki. Finland.
- 2008 The 24th IMP Conference: An Interactive Perspective on Business in Practice and Business in Theory. 4–6 September. Uppsala. Sweden.
- 2008 15th Nordic Conference on Small Business Research. 21–23. August Tallinn. Estonia.
- 2007 The Third Meeting of the IMP Group in Asia: International Markets and Processes, 9–12 December 2007, Phuket, Thailand.
- 2007 The Annual Conference of the Industrial Marketing and Purchasing (IMP). August 30–September 1. Manchester. UK.
- 2007 The International Conference on Business and Information (ICSB), 13–15 June. Turku. Finland.
- 2000 The 10<sup>th</sup> Nordic Workshop on Interorganizational Research, Autumn, 2000. Trondheim. Norway.
- 1999 The Doctoral Tutorial in Marketing, November 21–21. Tampere.
- 1999 The 15th Nordic Conference on Business Studies. 19–21 August. Helsinki. Finland.
- 1999 The 15th Annual Conference of the Industrial Marketing and Purchasing (IMP) Group. Dublin. Ireland.

- 1998 The 14th Annual Conference of the Industrial Marketing and Purchasing (IMP) Group in Dublin, Ireland. 6–8. September. Turku. Finland.
- 1997 The 13th Annual Conference of the Industrial Marketing and Purchasing (IMP) Group in Lyon, France. 4–6 September. Lyon. France.
- 1997 7<sup>th</sup> Nordic Workshop on Interorganizational Research in 22–24 August. Norköping. Sweden

### ***Other presentations/Invited lectures***

- 2021 Cities boosting collaborative innovations with companies: Insights and learnings from six biggest city municipalities in Finland. Breakfast seminar. University of South-Eastern Norway, April 13, Drammen, Norway.
- 2020 Digital, Innovation and Entrepreneurship. University of South-Eastern Norway, September 24, Drammen, Norway.
- 2020 Digital, Innovation and Entrepreneurship. University of South-Eastern Norway, August 26, Drammen, Norway.
- 2020 Essence of living labs and their future research avenues. Research seminar. University of South-Eastern Norway, March 17, Kongsberg, Norway.
- 2020 Principles of living labs. Dalarna University. January, 11. Borlänge, Sweden.
- 2019 Essence of living labs. Halmstad University. November, 25. Halmstad, Sweden.
- 2019 Living labs – Principles to innovation. University of Southern Denmark. October, 28. Odense, Denmark.
- 2019 How are digitalization, innovation and entrepreneurship interrelated? Oslo Met - Oslo Metropolitan University, September, 23. Oslo, Norway.
- 2019 Living labs in cities. CICAT 2025 & CircHubs: Sustainable change in cities- Urban circular economic cooperation, September, 4. Tampere. Finland.
- 2019 Third-generation living lab networks in cities. Open Living Lab Days 2019. September, 3. Thessaloniki. Greece. (remote presentation)
- 2019 Introduction to living labs. April, 29. TalTech. Tallinn. Estland.
- 2018 What kind of co-operatives does Finland need? Platform Co-operatives Open. Helsinki. Finland
- 2018 IoT based business models, March 28. Kokkola University Consortium Chydenius. Finland
- 2018 Service development for elderly people- Service robots in living labs (in Finnish Palveluiden kehittäminen ikääntyneille – Palvelurobotit elävissä laboratorioissa (living lab). March, 28. Kokkola University Consortium Chydenius. Finland
- 2018 Experience on Service Robots (in Finnish Palvelurobottien mahdollisuudet). March, 9. Interview in Radio Dei, Finland
- 2018 Service robot in health care (in Finnish Palvelurobotit hyvinvointialueella). February, 6. Helsinki Baltic Sea Rotaryklubi. Helsinki. Finland.
- 2018 Collaborative innovation and living labs in six cities (in Finnish Yhteiskehittäminen ja elävät laboratorio 6Aika-kaupungeissa Make With the Six Cities - 6Aika avoimet innovaatioalustat. January, 16. Espoo. Finland.
- 2017 Essentials in the Digital Futures – Towards understanding IoT as a part of businesses. December, 4. Turku School of Economics. Turku. Finland.
- 2017 Research Results of the ROSE Project. October, 12. University of Tampere. Finland.
- 2017 Modular and complementary structures and systems in IoT business models. June, 28. Jönköping International Business School. Jönköping. Sweden.
- 2017 Introduction to living labs. June, 28. Jönköping International Business School. Jönköping. Sweden.
- 2017 Modular and complementary structures and systems in IoT business models. June, 14. Linnaeus University. Kalmar. Sweden.

- 2017 Introduction to living labs. June, 14. Linnaeus University. Kalmar. Sweden
- 2017 Research results seminar on service robots. June, 6. Laurea University of Applied Sciences. Espoo. Finland.
- 2016 Q&A – What are living labs?. March, 17. The College of Business and Entrepreneurship. King Abdullah Economic City. Saudi Arabia.
- 2016 Actor roles and role patterns influencing innovation in living labs. February, 18. IESEG. Business School, Lille. France.
- 2015 A Typology of Creative Consumers in Living Labs. November, 24. NEOMA. Business School. Paris. France.
- 2015 A typology of creative consumers in living labs. CMA Innovation Centre Special Issue Conference. August, 6. Beedie School of Business. Vancouver. Canada.
- 2014 IoT 2014 Laurea: Ecosystem Business Models for the Internet of Things. Leminen, S., Siuruainen, R. & Rajahonka, M. 2014. Poster presentation IoT Sprint Review. 4 December, 4. Helsinki. Finland.
- 2014 Studying and designing mass market business models using service design methodology. March, 27. *IoT* Spring Review. Mega Sprint Review for Digile Programs. Helsinki. Finland.
- 2013 Digital Media Earnings models May, 24 Oulu. Helsinki. Finland.
- 2013 IoT 2013 Laurea: Framework for analyzing IoT business models & industry change by using Delphi Study Method Leminen, S., Siuruainen, R. & Rajahonka, M. Poster presentation in IoT Sprint Review. December, 9. Helsinki. Finland.
- 2012 WP5 Lessons Learnt, WP5 Ecosystems. Business models of IoT firms. Venue: *IoT project*, November, 28. IoT Sprint-3-Review Helsinki. Finland.
- 2012 Next Media-project, Next Media result seminar, presenting of results for the companies. February, 16. 2012
- 2011 Living Labs –perspectives to involve customers and user in Finnish Living labs- näkemyksiä asiakkaiden ja käyttäjien osallistamiseen. LCCE –seminar. Innovation ecosystem. April. 6-7. Kouvola. Finland.
- 2011 eReading business models what we can learn from them in Finnish 'Lukulaitteiden liiketoimintamallit mitä voimme oppia maailmalta' Reading - tulevaisuus vai hypeä? By Leminen, S., Huhtala, J.P. (2012). February, 9. Crown Plaza, Helsinki. Finland.
- 2011 eReading and dynamic business model. Next Media Result seminar. January, 25. Helsinki, Finland.
- 2011 *Finlab project*, publishing seminar for Innovation together with the customers, perspectives to Living labs in Finnish "Innovoi(tko) yhdessä asiakkaittesi kanssa - näkemyksiä Living Lab –toimintaan" -teoksen julkaisuseminaariin. February, 10. Laurea University of Applied Sciences. Espoo, Finland.
- 2010 Living labs in Finland, presentation in Ministry of Employment and Economy. June, 18. Helsinki, Finland.
- 2009 Strategic pricing. March, 4. Small business center, Aalto University School of Business. Helsinki, Finland
- 2008-2009 Management training program for retailing, Aalto University, School of Business
- 2008 Booster Breakfast for growth enterprises - Pricing most difficult tas in business 03<sup>rd</sup> October, Otaniemi, Finland
- 2005 Management training for Networking in retailing industry- International benchmarks, INTERNATIONAL BUSINESS EXECUTIVE PROGRAMME FOR KESKO MANAGEMENT, K-instituutti, Siikajärvi, Espoo, June
- 2004 Management training for Strategic Partnership, Aalto Executive Educations Aalto University, School of Business, Helsinki, Finland
- 2002 Management training for Partnerships. SoftaPro Product Manager program. October 2002. Aalto Executive Educations Aalto University, School of Business, Helsinki, Finland

- 1999 Service Marketing, IIR Seminar on Service Marketing , May Helsinki , Finland
- 1999 Customer Relationship Management. Paper presented at IIR seminar Billing Systems and Customer care for Telecom. October, 27. Helsinki, Finland
- 1996 Managing the deliveries and customer feedback in telecommunication industry (In Finnish). Toimitusten- ja asiakaspalautteen hallinta. Paper presented at AEL. Tietoliikenne ja verkot. Teleohjelmistojen kehitys- ja toimitusprosessit March. 20-21. Aulanko. Hämeenlinna. Finland
- 1995 Tuotannon reaaliaikaisen toteuman seuranta paperitehtaalla. Automaatio 95. Automaatiopäivät-Robotikkapäivät May 3–5, Helsinki, Finland
- 1995 Suunnittelutiedon sähköinen tiedonsiirto automaatioprojektissa. Automaatio 95. Automaatiopäivät-Robotikkapäivät May 3–5, Helsinki Finland

## 9. Visiting lecturerships

- 2017 Aalto University, School of Science, Finland
- 2015 Carleton University, Sprott School of Business, Ottawa, Canada
- 2009-2011 ESG Paris School of Management, Paris, France
- 2007, 2009 Helsinki School of Economic, Helsinki, Finland
- 2012-2014 HAMK University of Applied Sciences, Hämeenlinna, Finland

## 10. Experience in research and other scientific activities

### Expert and reviewer tasks

#### *Memberships in Editorial Advisory and Review Boards*

- 2020- Associate editor for the *Technovation*
- 2020- Member of the Review Board for the *Journal of Business Ecosystems*
- 2018- Associate editor for the *BRQ Business Research Quarterly*
- 2016- Member of the Editorial Advisory Board for the *Technological Integration as a Catalyst for Development Economics*, Lechman, E. (Eds.), IGI Global
- 2015- Member of the Editorial Advisory Board for the *Handbook of Research on Neuroeconomics and the Decision-Making Process*, Christiansen, B. & Lechman, E. (Eds.), IGI Global
- 2014- Member of the Editorial Advisory Board for the *Encyclopedia of Global Supply Chain Management*, Efeou, I.E. & Christiansen, B. (Eds.), IGI Global
- 2014- Member of the Editorial Advisory Board for the *Handbook of Research on Global Business Opportunities*, Christiansen, B. (Ed.), IGI Global
- 2014- Member of the Editorial Advisory Board and the reviewer for the book *Comparative Economic Perspectives on Europe and the MENA Region*, Christiansen, B. & Erdogdu, M. (Eds.) Publisher: IGI Global (forthcoming)
- 2013 Member of the Editorial Advisory Board for the *Transcultural Marketing for Incremental & Radical Innovation*, Christiansen, B., Yildiz, S. & Yildiz, E. (Eds.), IGI Global
- 2012- The International Society for Professional Innovation Management (ISPIM) Scientific Panel
- 2012- Member of the Review Board for the *Technology Innovation Management Review*
- 2008- Member of the Editorial Review Board for the *Journal of Small Business Management*

### ***Editorships in books, special issues and other works***

- 2023 Co-guest editor of special issue on ‘Digitalization and new types of connectivity-enabled business model innovations’ in *Technovation* organized in collaboration with International Conference on Business Servitization & ISPIM Special Interest Group (with Parida, V.. & Kohtamäki, M.) (forthcoming 2023).
- 2022 Co-guest editor of special issue on ‘Places and Spaces of Collaborative R&D and Innovation – Physical, Virtual and Cognitive contexts’ in *R&D Management* organized in collaboration with R&D Management Conferences and ISPIM Special Interest Group (with Greve, K., Westerlund, M. & Ritala, P.) (forthcoming 2022).
- 2021 Co-guest editor of special issue on ‘Innovation Management in Living Labs’ in *Technology Innovation Management Review* based on the living labs track in DLDD2021 Conference (with Schuurman, D. & Westerlund, M.)
- 2021 Co-guest editor of special issue on ‘Innovation Management in Living Labs’ in *Sustainability* based on the living labs track in ISPIM 2020 Conference (with Schuurman, D.)
- 2017– Co-editor of the book *Living Labs – Innovating by Co-Creating with Users in Real-Life Environments* with Almirall, E. & Westerlund, M. Publisher: Springer (forthcoming)
- 2018 Co-guest editor of special issue on ‘Living Labs and User Innovation’ in *Technology Innovation Management Review* based on the living labs track in ISPIM 2018 Conference 8(12) (with Schuurman, D., Westerlund M. & Huizingh, E.)
- 2017 Co-guest editor of special issue on ‘Living Labs and User Innovation’ in *Technology Innovation Management Review* based on the living labs track in ENoLL 2016 Conference 7(2) (with Schuurman, D., Ballon, P. & Westerlund M.)
- 2017 Co-guest editor of special issue on ‘Living Labs and User Innovation’ in *Technology Innovation Management Review* based on the living labs track in ENoLL 2016 Conference 7(1) (with Schuurman, D., Ballon, P. & Westerlund M.)
- 2016 Co-guest editor of special issue on ‘Smart Cities and Regions’ in *Technology Innovation Management Review*, 6(12) (with Tukiainen, T. & Westerlund, M.)
- 2016 Co-guest editor of special issue on ‘Living Labs and User Innovation’ in *Technology Innovation Management Review*, 6(1) (with Schuurman, D., Westerlund, M. & Huizingh, E.)
- 2015 Co-guest editor of special issue on ‘Living Labs and User Innovation’ in *Technology Innovation Management Review*, 5(12) (with Schuurman, D., Westerlund, M., & Huizingh, E.)
- 2015 Co-editor of the book *Living Labs: The Best of TIM Review* (with Westerlund, M. & Salmelin, B.) [eBook Kindle Edition]. Publisher: Talent First Network
- 2015 Co-guest editor of special issue on ‘Smart Cities and Regions’ in *Technology Innovation Management Review*, 5(10) (with Tukiainen, T. & Westerlund, M.).
- 2013 Co-guest editor of special issue on ‘Living Labs and Crowdsourcing’ in *Technology Innovation Management Review*, 3(12) (with Westerlund, M.)
- 2013 Co-guest editor of special issue on ‘Living Labs’ in *Technology Innovation Management Review*, 3(11) (with Westerlund, M.)
- 2012 Co-guest editor of special issue on ‘Living Labs’ in *Technology Innovation Management Review*, 2(9) (with Westerlund, M.)
- 2012 Co-editor of ‘Digital service concepts and business models - Current state and future prospects’ Laurea publications 10. (with Huhtala, J.-P. & Sihvonen, A.).
- 2012 Co-editor of ‘Multichannel Multi Market Media Service Business model evaluation and Benchmark’. Laurea publications 9. (with Könkkölä, S. & Huhtala, J.-P.)

- 2012 Co-editor of 'eReading advertising and value creation best practices – Outlook 2010-2011'. Laurea publications 8. (with Huhtala, J.-P.) (2012).
- 2011 Editor of 'Co-creation with Users and Customers in Living Labs - Integrating users and customers in companies' business processes'. Laurea Publications A76 61
- 2011 Co-editor of 'Multichannel Multimarket Media Services – Dynamic media business models, value chains and ecosystems' (with Huhtala, J. & Salo, J.), Laurea Publications A75
- 2011 Co-editor of 'eReading Services Business Models and Concepts in Media Industry' (with Salo, J.), Laurea Publications A73
- 2011 Co-editor of the book '*Innovation together with customer*' [in Finnish: *Innovoi(tko) yhdessä asiakkaittesi kanssa - näkemyksiä Living Lab-toimintaan*] (with Nyström, A.-G.). 135 p. Publisher: Talentum

### ***Reviewer for journals, books and awards***

- 2021- *Habitat International*
- 2021- *International Journal of Entrepreneurship and Innovation Management (IJEIM)*
- 2020- *Technovation: The International Journal of Technological Innovation, Entrepreneurship and Technology Management*
- 2020- *European Planning Studies*
- 2020- *She Ji: The Journal of Design, Economics, and Innovation*
- 2019- *Journal of Business Industrial Marketing (JBIM)*
- 2019- *Sustainability*
- 2018- *Research Policy*
- 2017- *Journal of Product Innovation Management (JPIM)*
- 2017- *Telematics and Informatics*
- 2017- *Sustainable Science*
- 2017- *Environment and Planning C: Politics and Space*
- 2016- *R&D Management*
- 2016- *California Management Review (CMR)*
- 2016- *Creativity and Innovation Management*
- 2016- *Journal of Organizational Change Management (JOCM)*
- 2016- *Environment and Planning C: Government and Policy*
- 2016- *International Journal of Services Technology and Management (IJSTM)*
- 2016- *International Journal of Technology Management (IJTM)*
- 2016- *International Journal of E-Services and Mobile Applications (IJESMA)*
- 2015- *Handbook of Research on Neuroeconomics and the Decision-Making Process*, Christiansen, B. & Lechman, E. (Eds.), Publisher: IGI Global (forthcoming)
- 2015- *Marketing Intelligence and Planning (MIP)*
- 2015- *Info*
- 2015- *International Journal of Technology Marketing (IJTMkt)*
- 2014- *Encyclopedia of Global Supply Chain Management*, Efeou, I.E. & Christiansen, B. (Eds.) Publisher: IGI Global (forthcoming)
- 2014- *Comparative Economic Perspectives on Europe and the MENA Region*, Christiansen, B. & Erdogdu, M. (Eds.), Publisher: IGI Global (forthcoming)
- 2014- *Handbook of Research on Global Business Opportunities*, Christiansen, B. (Ed.) Publisher: IGI Global (forthcoming)
- 2014- *International Journal of Innovation Management (IJIM)*

- 2014– *International Journal of Business and Information (IJIB)*  
 2013 *Transcultural Marketing for Incremental & Radical Innovation*, Christiansen, B., Yildiz, S. & Yildiz, E. (Eds.), Publisher: IGI Global  
 2013– ISPIM-Wiley Innovation Management Dissertation Award (reviewer of applications)  
 2013 *Media Convergence Handbook Vol. 1/Vol. 2*, Lugmayr, A. & Dal Zotto, C. (Eds.) Springer-Verlag, Germany  
 2012– *Industrial Marketing Management (IMM)*  
 2012– *Technology Innovation Management Review (TIMR)* (member of the Review Board)  
 2008– *Journal of Small Business Management (JSBM)* (member of the Editorial Review Board)

### ***Reviewer for conferences***

- 2021 DLDD, Digital living labs day conference, 6-9, September, Virtual Event  
 2021 R&D Management Conference, 6-8 July, Virtual Event  
 2021 The XXXII ISPIM Innovation Conference, June 20-23, Berlin, Germany  
 2020 ISPIM Connects Global, 6-8 December, Virtual Event,  
 2020 10<sup>th</sup> IMP Asia, 6-9 December, Okinawa, Japan  
 2020 The ISPIM Innovation Conference – Innovating in Times of Crisis, 7-10 June 2020.  
 2019 The XXX ISPIM Innovation Conference, June 16-19, Florence, Italy  
 2018 78th Annual Meeting of the Academy of Management, August 10-14, Chicago, Illinois, US  
 2018 ECIS June 23– 28th 2018 / Portsmouth, UK  
 2018 The XXVIII ISPIM Innovation Conference, June 17-20, Stockholm, Sweden  
 2017 WOIC 2017, December 13-15, San Francisco, California, US  
 2017 77th Annual Meeting of the Academy of Management, August 4-8, Atlanta, Georgia, USA  
 2017 The XXVIII ISPIM Innovation Conference, June 18-21, Vienna, Austria  
 2017 OpenLivingLab days 2017. August 29–September 1. Krakow, Poland.  
 2016 WOIC 2016, December 15-16, Barcelona, Spain  
 2016 The XXVII ISPIM Innovation Conference, June 19-22, Porto, Portugal  
 2016 EURAM 2016, Manageable Cooperation, June 1-4, Paris, France  
 2016 IoTBD, International Conference on Internet of Things and Big Data, April 23-25, Rome, Italy  
 2015 ISPIM Innovation Summit, December 6–9, Brisbane, Australia  
 2015 ISPIM Innovation Summit, Brisbane, December 6–9, Australia  
 2015 WOIC 2015, November 19–20, Santa Clara, California, US  
 2015 EURAM 2015, June 17–20, Kozminski, Poland  
 2015 The 6th ENoLL Living labs Summer School August 25–28, Istanbul, Turkey  
 2015 The XXVI ISPIM Innovation Conference, June 14–17, Budapest, Hungary  
 2015 ECIS 2015, May 27–29, University of Münster, Germany  
 2014 EURAM 2014, June 4–7, Universitat De València, Spain  
 2014 ISPIM Asia-Pacific Innovation Forum, Singapore, December 7–10, Singapore  
 2014 5th ENoLL living Lab Summer School, September 2–5, Amsterdam, Netherlands  
 2014 The XXV ISPIM Innovation Conference, June 8–11, Dublin, Ireland  
 2013 EURAM 2013, June 26–29, Galatasaray University, Istanbul, Turkey  
 2013 The 6th ISPIM Innovation Symposium, December 8–11, Melbourne, Australia  
 2013 The XXIV ISPIM Conference - Innovating in Global Markets: Challenges for Sustainable Growth in 16–19 June, Helsinki, Finland  
 2013 4<sup>th</sup> Enoll Living Lab Summer School, August 27–30, Manchester, UK

2013	26th Bled eConference eInnovations: Challenges and Impacts for Individuals, Organizations and Society June 9–13, Bled, Slovenia
2012	ServDes.2012 Service Design & Innovation Conference, February 8–10, Espoo, Finland
2012	LbD conference, May 10, Espoo, Finland
2010	LbD conference, October 15, Espoo, Finland
2008	24th IMP Conference September 4–6, Uppsala, Sweden
2007	ANZMAC Conference 2007, Otago, Australia

### ***Research assessments and awards***

2017	Best Paper on Technology Implications Award, Award nominee: The Knut Holt Award for Best Paper - The XXVIII ISPIM Innovation Conference
2015	Best paper on Practical Implications for Technology Award - The XXVI ISPIM Conference – Shaping the Frontiers of Innovation Management
2012	Best Paper Award – The 17th Nordic Conference on Small Business Research

### ***Grants and scholarships***

2014	Marcus Wallenberg Foundation	(post-doc research)
1999	Wihuri Foundations	(post-doc research)
1999	Telealan edistämässätiö	(post-doc research)
1998	Foundation for Economic Education	(doctoral research)
1998	Marcus Wallenberg Foundation	(doctoral research)
1997	Foundation for Economic Education	(doctoral research)
1996	Kaupallisten ja teknillisten tieteiden tukisäätiö	(doctoral research)
1996	Foundation for Economic Education	(doctoral research)
1996	Telia Sonera Foundation for Research and Education	(doctoral research)

## **11. Activities in the academic community**

### ***Service as an Memberships in Evaluation Board for Professorship***

2021	Evaluation of four final candidates for the Tenure Track position of Assistant Professor/Associate Professor of Neuro-impact and Innovation in the Business School at the Faculty of Social Sciences and Business Studies. University of Eastern Finland. Kuopio campus. Finland
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### ***Service as an Opponent and Memberships in Doctoral Dissertation Examination Boards***

2021	Member of Veron Torma's PhD examination committee (Global Sustainability), Analysing stakeholder engagement: Stakeholder involvement in urban living labs and the main processes needed to establish a living laboratory. Anglia Ruskin University. United Kingdom.
2015	Member of Dimitri Schuurman's PhD examination committee (Communication Sciences). Bridging the Gap between Open and User Innovation? Exploring the Value of Living Labs as a Means to Structure User Contribution and Manage Distributed Innovation. Ghent University. Belgium
2005	Opponent to Antti Tuomela's doctoral dissertation (D.Sc. Tech). Network Service Organisation – A Modified Grounded Theory of Interaction in Workplace Networks".

Doctoral defence in Helsinki University of Technology; now Aalto University, School of Engineering. Finland.

### ***Supervisor of doctoral students***

- 2020- Yoshoda Karki, M.Sc. (Econ.), Digitalization and sustainable development: the role of social enterprises USN School of Business, University of South-Eastern Norway. Norway. (main supervisor)
- 2020- Anette Myhre Momrak, M.Sc. (Econ.), USN School of Business, University of South-Eastern Norway. Norway. Customer participation in innovation efforts as an implementation approach to market orientation - When and how to actively involve customers in innovation? (main supervisor)
- 2015- MSc (Eng.) Heikki Turunen, Aalto University, School of Science, Department of Industrial Engineering and Management. Finland. Social Innovation Development Using Business Process Re-engineering Methods in Social Sector Virtual Learning Communities (second supervisor)
- 2015- MSc (Econ.) Mika Kortelainen, University of Turku, Department of Marketing. Finland. BtoB Sales Management (preliminary topic) (second supervisor)

### ***Organizer of conference tracks zeppi***

- 2021 DLDD21, European Network of Living Labs, 6-10 September co-track chair
- 2021 The XXXII ISPIM Innovation Conference– Innovating in Times of Crisis, 7-10 June
- o Organizing living lab tracks and facilitating sessions
- 2020 The ISPIM Innovation Conference – Innovating in Times of Crisis, 7-10 June 2020.
- o Organizing living lab tracks and facilitating sessions
- 2019 The XXX ISPIM Innovation Conference, June 16-19, Florence, Italy
- o Organizing living lab tracks and facilitating sessions
- 2018 The XXVIII ISPIM Innovation Conference, June 17-20, Stockholm, Sweden
- o Organizing living lab tracks and facilitating sessions
- 2017 Annual OpenLivingLab Days, 29 August -1 September 2017. Krakow, Poland
- o Organizing living lab tracks and facilitating sessions
- 2017 The XXVIII ISPIM Innovation Conference, 18-21 June 2017. Vienna, Austria
- o Organizing living lab tracks and facilitating sessions
- 2016 The XXVII ISPIM Innovation Conference, 19-22 June 2016. Porto, Portugal
- o Organizing living lab tracks and facilitating sessions
- 2015 The XXVI ISPIM Innovation Conference, 14–17 June 2015. Budapest, Hungary
- o Organizing living lab tracks and facilitating sessions
- 2014 The XXV ISPIM Innovation Conference, 8–11 June 2014, Dublin, Ireland
- o Organizing living lab tracks and facilitating sessions
- 2013 EURAM 2013 in June 26–29, 2013 Galatasaray University, Istanbul, Turkey
- o Sub-track chair: Innovation SIG Track 33 33.3. Living Labs – Innovating with Users
- 2013 4<sup>th</sup> Enoll Living Lab Summer School 2013 Manchester (UK) 27–30 August Track chair Research

- Session 2: Urban and Territorial Innovation with Living Lab
- 2013 The XXIV ISPIM Conference – Innovating in Global Markets: Challenges for Sustainable Growth, 16-19 June 2013, Helsinki, Finland
  - Track chair SIG Session 1: Theoretical Foundations for Living Labs
- 2012 The XXIII ISPIM Conference. June 17–20, 2012. Barcelona, Spain. Track chair SIG Living labs

### ***Memberships in scientific associations***

- 2015– Member of the Academy of Management (AOM)
- 2014– Member of European Group of Organizational Studies (EGOS)
- 2013– Member of the European Academy of Management (EURAM)
- 2013– Member of Business Model community
- 2013– Founding member of informal Living Labs research community
- 2012– Member of International Society for Professional Innovation Management (ISPIM)
- 2008– Member of Australian & New Zealand Marketing Academy (Anzmac)
- 2007– Member of the Industrial Marketing and Purchasing Group (IMP)
- 2007– Member of the European Council for Small Business and Entrepreneurship
- 2007– Member of European Marketing Academy (EMAC)
- 2007– Member of FINPIN Entrepreneur Network in University of Applied Sciences
- 2003– Member of the Strategic Management Society of Finland (SMS)
- 2000– Member of the Finnish Association for Business Administration

## **12. Teaching and supervision**

### ***Doctoral courses***

- 2020- QAR 9000, Qualitative Research, PhD in Marketing Management. University of South-Eastern Norway, Norway. Co-development and co-lecturing.

### ***Graduate teaching and supervision***

- 2021- ITM4301 Idea Generation and Evaluation, putting novelty into context, Innovation and Technology Management Program, University of South-Eastern Norway, Norway. Co-development and co-lecturing the course.
- 2021- ITM5000 Master thesis. University of South-Eastern Norway, Norway. Supervising students. Co-development and supervising students
- 2020- ITM4103 Innovation management, Innovation and Technology Management Program, University of South-Eastern Norway, Norway. Co-development and co-lecturing the course. (Fully digital 2020)

- 2020- MET4000-1 Forprosjekt for Masterthesis. University of South-Eastern Norway, Norway. Supervising students. (Fully digital 2020)
- 2017- TIMG 5901 Master of Engineering final projects, Technology Innovation Management, Carleton University, Canada. Second Reader
- 2017 TU-E2011 Industrial Service Operations, - Living labs as open innovation networks. Aalto University, School of Science, Finland. Visiting lecturer (February 22nd, 2017)
- 2017- 2018 Research seminar on living labs and business model development in Master's Program, Laurea University of Applied Sciences, Finland
- 2016-2017 Business model development and user innovations – project course " Service Robots, Revolutionizing Social and Health Care Sector(s)" in Master's Program, Laurea University of Applied Sciences, Finland. Responsible for the course, co-development and co-lecturing the course.
- 2015 Business model development and user innovations – project course "Revolution of the Internet of Things (IoT) and their Future Business Models" in Master's Program, Laurea University of Applied Sciences, Finland. Responsible for the course, co-development and co-lecturing the course.
- 2015 Technology Innovation Management (TIM) Research Seminar - Living labs as open innovation networks. Carleton University, Sprott School of Business, Canada. Visiting lecturer (August 13<sup>th</sup>, 2015)
- 2005–2018 Master's Thesis Seminar, Laurea University of Applied Sciences
- Supervised 30+ Master's theses
  - Degree Programme in Futures Studies and Customer-Oriented Services (Master Degree) 2015, 2016, 2017, 2018
  - Degree programme in Service Innovation and Design (Master Degree) 2011, 2012, 2013, 2014, 2015
  - Degree program in Security (Master Degree) 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018
  - Master's Programme in Business Management (Master Degree) 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012
- 2005–2007 Case Study and Action Research in Master's Programme in Business Management, Laurea University of Applied Sciences
- 2005, 2006, 2007
- 2012–2014 Industrial Service Business, Service Productisation, HAMK University of Applied Sciences
- 2012, 2013. 2014 Visiting Lecturer, Master's level
- 2011–2012 Instructor of Master Thesis, Aalto University, School of Business
- Master of Science in Economics (M.Sc. Econ)

- 2008–2009 CEMS program, Aalto University School of Business
- Supervising thesis and company projects
- 2007–2007 23E34000 Price Management, HSEE, Helsinki School of Economics,
- 2007 Visiting lecturer, Master's level

### ***Undergraduate teaching and supervision***

- 2005–2013 Bachelor's Thesis Seminar, Laurea University of Applied Sciences
- Business Management Programme 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013
  - Supervised 100+ Bachelor's theses
- 2009–2011 Business models and strategic pricing, ISC Paris School of Management, France
- 2009, 2010, 2011 Visiting Lecturer
- 2011–2011 User communities as innovator developers (course 00136), Laurea University of Applied Sciences. Co-development and co-lecturing the course.
- 2006–2007 Relationship Marketing and Consumer Behaviour (course HL6504), Laurea University of Applied Sciences. Responsible for the course, co-development and co-lecturing the course.
- 2006, 2007
- 2005–2008 International Business (course 00083), Laurea University of Applied Sciences
- 2005, 2006, 2007, 2008 Responsible for the course, co-development and co-lecturing the course.
- 1999–2000 Bachelor's Thesis Seminar, Haaga-Helia University of Applied Sciences
- 1999–2000
- 1999–2000 E-business and relationship marketing, Haaga-Helia University of Applied Sciences
- 1999–2000. Responsible for the course, co-development and co-lecturing the course.

### ***13. Duties in one's field outside the university***

#### ***Steering group memberships***

- 2017-2017 Living labs 3.0 , innovation platforms and innovation ecosystems in smart cities (LL 3.0)
- 2016-2018 Robots and the Future of Welfare Services (Rose), steering group member
- 2016-2017 CoCIS, Co-Creative Intelligent Services (Strategic Research and Innovation Agenda), steering group member
- 2014–2016 NeuroScience (Research Project), steering group member
- 2012–2013 Neloskierre (National Living Lab project), steering group member

2010–2012 FIMECC (Finnish Metals and Engineering Competence Cluster), user experience steering group member

2008–2009 LITEOPEN (National Living Lab and Test Bed), steering group member

### ***Best thesis award committee***

2011-2012 Member of national best thesis award committee for business studies in University of Applied Sciences (Bachelor's and Master's level)

### ***Evaluator***

2020	Evaluation of proposal(s) for Programma per Giovani Ricercatori "Rita Levi Montalcini" 2018 (Italy)
2019	Evaluation of proposals for Finnish National Agency for Education (EDUFI)
2019-	Evaluation of a proposal for Swiss National Science Foundation (SNSF)
2019-	Evaluation of a proposal for Netherlands Organisation for Health Research and Development
2018-	Evaluation of The Netherlands Organisation for Scientific Research (NWO) proposal within the Innovational Research Incentives Scheme
2018-	Evaluation of proposals, submitted to H2020-EIC-FTI
2017	Evaluation of proposals, submitted to Science with and for Society 2016-2017 work programme, October 2017
2017	Evaluation of a proposal, submitted to Irish Research Council Laureate Awards Programme 2017/18, August 2017
2015–	Innovation Fund Denmark's Large Scale Projects
2013–	Evaluator of Eurostars projects
2012– 2015	Evaluation of ENOLL (European Network of Living Labs) 6th, 7th, 8th and 9th waves of applications
2012	Evaluation of proposals submitted to Call 6 of CIP ICT PSP, Objective Open Innovation for Internet-enabled services and next generation access (NGA) services in 'smart' cities, June 2012

### ***Senior adviser and evaluator of research projects and program financed by Tekes and Industries***

- Antaree, Diagnostic, DIVAN, KIVI, Potra, SPIN, Usix, Research programs of Tekes (Finnish Funding Agency for Technology and Innovation)
- Efficient Office research project of Tekes (Finnish Funding Agency for Technology and Innovation)
- Laaksonen L., Ormala E., Louhenperä R., Kaipainen K., Luukkanen H., Leminen S., Salo T., Oesch K., Hamilo M. 2000. From visions to competencies, Osaamislinjaus 2004 Visioista osaamistarpeisiin - Huippuosaamisella menestykseen. SET (Sähkö-, elektroniikka- ja tietoteollisuus).

## **14. Administration and other activities**

## **Administrative and management duties**

### ***Management of research organization***

- Management of a research group focusing on (1) Living labs and open service innovation, and (2) Service and Business Models development at Laurea University of Applied Sciences since August 2005.
- Director in the area of Marketing and International Business, and steering group member of LTT Research Ltd., from August 2002 to July 2005, (a subsidiary of Helsinki School of Economics, now Aalto University School of Business)

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### ***Management of business organization***

Proven project management and administrative skills from the industry

Invest in Finland, LTT –Research Ltd., Ericsson Ltd., Pöyry Ltd.

### ***Preparation on Strategic Research Agenda***

2011 Strategic Research Agenda for Internet of Things (IoT-SRA) Finnish Strategic Centre for Science, Technology, and Innovation: For Information and Communications (ICT) Services, businesses, and technologies

### ***Management of externally funded research projects***

- I have a solid background in attracting and closing research funding since 2002, a total of + **3,3 M€** and managing research projects a total of (+ **4 M€**).

### ***Experience in research leadership***

Management of a research group focusing on applied business research in intersection on innovation, management and entrepreneurship particularly in novel and multidisciplinary areas at the Pellervo Economic Research between 2018-2020.

Excerpt of research projects:

- 50plus companies Companies Sustainable Growth Paths and Resilience in Global Business Ecosystems (50plus SIBS) (2020-2022)
- Housing co-operatives in Finland (HOUSE), (2019-2020)
- Digital service solutions and business models promoting agricultural sector (DIGIME), (2018-2019)

Management of a research group focusing on (1) Living labs and open service innovation, and (2) Service and Business Models development at Laurea University of Applied Sciences between 2005-2018.

Excerpt of research projects:

- Circular Economy for Supply Chain, Consumption, and Regional Functional Development (CIRC4Life), (2018-2020)
- Robots and the Future of Welfare Services (Rose), (2015-2020)

- Living labs 3.0, innovation platforms and innovation ecosystems in smart cities (LL 3.0), (2017-2017)
  - Business models of Internet of Things (IoT), (2012-2016)
  - Next Media Research Program; eReading and MuMuMeSe, (2010-2011)
  - Finlab Laurea, Focus on living labs, (2008-2011)
  - UDOI, User driven open innovation, (2008-2010)
- Director in the area of Marketing and International Business, and steering group member of LTT Research Ltd., from August 2002 to July 2005, Management and administrative duties at LTT Research Ltd. (a subsidiary of Helsinki School of Economics, now Aalto University School of Business)
- Excerpt of research projects:
- LIMU, Business models in disruption, (2004-2005)
  - VAU, Networked customer models in retailing industry, (2004-2005)
  - 50+ - Growth of SMEs, (2004-2005)
  - HIMA, Pricing models of customers, (2004)
  - Internalization of retail industry and its affect in Finland, (2002-2003)
  - KISA, Knowledge Intensive Services in the Software Industry, (2002-2003)
- **228.027 €** (closing research funding as a principal investigator)  
50plus companies Companies Sustainable Growth Paths and Resilience in Global Business Ecosystems (50plus SIBS) (2020-2022), financed by Tekes, the Finnish Funding Agency for Technology and Innovation
- **177.000 €**, (closing research funding as a principal investigator/scientific leader of the project), *steering group member*. Housing co-operatives in Finland (HOUSE), financed by The Housing Finance and Development Centre of Finland and companies (2019-2020), *steering group member*
- **40.000 €**, (closing research funding as a principal investigator), Digital service solutions and business models promoting agricultural sector (DIGIME), financed by Keskitie foundation and the company (2019-2020)
- **589.000 €** estimated until end of 2020, (closing research funding as principal investigator, scientific leader of the project)  
Circular Economy for Supply Chain, Consumption, and Regional Functional Development (CIRC4Life), financed by Horizon 2020 (CIRC-01) (2018-2020)
- **975.000 €** estimated until end of 2020, (scientific leader of the project) , *steering group member*  
Robots and the Future of Welfare Services (Rose), Laurea University of Applied Sciences, Part, Rose *Laurea University of Applied Sciences*, of the overall Research Program Rose, financed by Academy of Finland Strategic Research Council. 2015-2020, *steering group member*

- **29.500 €** (closing research funding as a principal investigator /managing research project as a scientific leader), *steering group member*  
Living labs 3.0, innovation platforms and innovation ecosystems in smart cities (LL 3.0), financed by The Six City Strategy (6Aika) program 2017-2017
- **299.482 €** (closing research funding as a principal investigator /managing research project as a scientific leader), *steering group member*  
Business models of Internet of Things (IoT) Laurea University of Applied Sciences, Part of IOT Research Program financed by Digile (formerly Tivit), the Strategic Centre for Science, Technology and Innovation in the Field of ICT, and Tekes, the Finnish Funding Agency for Technology and Innovation and participating companies. 2012–2016
- **567.840 €** (closing research funding as a principal investigator /managing research project as a scientific leader)  
Next Media Research Program; eReading, MuMeSe, and Dynamic Business Models. Focus on media business models, Aalto University, School of Economics, Part of Next Media Research Program financed by Digile (formerly Tivit), the Strategic Centre for Science, Technology and Innovation in the Field of ICT and Tekes, the Finnish Funding Agency for Technology and Innovation and participating media companies. 2010–2011  
Media-Scenarios 2020, Aalto University, School of Economics, Part of Next Media Research Program which is financed by Tivit the Strategic Centre for Science, Technology and Innovation in the Field of ICT and Tekes, the Finnish Funding Agency for Technology and Innovation and participating media companies. 2010
- **136.982 €** (closing research funding as a principal investigator /managing research project as a scientific leader), *steering group member*  
Next Media Research Program; eReading and MuMuMeSe, Focus on media business models, Laurea University of Applied Sciences, Part of Next Media Research Program financed by Digile (formerly Tivit), the Strategic Centre for Science, Technology and Innovation in the Field of ICT and Tekes, the Finnish Funding Agency for Technology and Innovation and participating media companies. 2010–2011
- **288.000 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager), *steering group member*  
Finlab Laurea, Focus on living labs, Laurea University of Applied Sciences, financed by Tekes, the Finnish Funding Agency for Technology and Innovation and participating companies. The research project led to the publication of the first compiled book on living labs in Finland. 2008–2011
- **69.299 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager), *steering group member*  
UDOI, User driven open innovation, Laurea University of Applied Sciences Focus on user driven open innovation activities. Part of Flexible Service Research Program which is financed by Digile (formerly Tivit), the Strategic Centre for Science, Technology and Innovation in the Field of ICT and Tekes, the Finnish Funding Agency for Technology and Innovation and participating companies. 2008–2010
- **375.000 €** (closing research funding as a team member)

LIMU, Business models in disruption (in Finnish: Liiketoimintamallit murroksessa), financed by Tekes, the Finnish Funding Agency for Technology and Innovation and participating companies. *LTT Research Ltd.* 2004–2005

- **250.000 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager), *steering group member*

VAU - Verkostoitunut asiakkuus (in Finnish: Focus on networked customer models in retailing industry, financed by Tekes, Finnish Funding Agency for Technology and Innovation and participating companies. *LTT Research Ltd.* 2004–2005

- **216.620 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager), *steering group member*

Growth of SMEs- 50+, Focused on growth models of SMEs, financed by Tekes, Ministry of Labour and TE-services and participating companies. *LTT Research Ltd.* 2004–2005

- **20.000 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager), *steering group member*

Pricing models of customers, ‘HIMA- Hinnottelumallit asiakkuudessa’, financed by Tekes, the Finnish Funding Agency for Technology and Innovation, participating companies, and TIEKE (Information Society Development Center). *LTT Research Ltd* 2004

- **30.000 €** (managing research project as a scientific leader and a project manager), *steering group member*

Internalization of retail industry and its affect in Finland, (in Finnish: Vähittäiskaupan kansainvälistyminen ja sen vaikutukset Suomessa), financed by Ministry of Trade and Industry and Retail Industry. *LTT Research Ltd.* 2002–2003

- **125.000 €** (closing research funding as a principal investigator /managing research project as a scientific leader and a project manager). *steering group member*

KISA- Knowledge Intensive Services in the Software Industry, Focus on knowledge intensive service activities and business models of software firms, financed by Tekes, the Finnish Funding Agency for Technology and Innovation and OECD. *LTT Research Ltd.* 2002–2003

- Relationships in Telecommunication industry, (closing research funding as a principal investigator /managing research project as a project manager) financed by foundations, participating companies and the Doctoral School of Relationship and Service Marketing and CERS at Hanken. *Dr. (Econ) research.* 1996–1999

- Production control in paper mill, closing research funding as a principal investigator /managing research project as a project manager) financed by Academy of Finland (Industry researcher program) and participating companies at Helsinki University of Technology (now Aalto University). *Lic.Tech. research.* 1992–1994