

List of publications

4a Peer-reviewed international articles in scientific journals

1. Seppänen, L., Schaupp, M., & Wahlström, M. (submitted). Enhancing learning as theoretical thinking in robotic surgery. Submitted to *Nordic Journal of Vocational Education and Training*.
2. Seppänen, L., Kloetzer, L., & Riikonen, J. (in press). Encourager la réflexion en chirurgie robotique : l'auto-confrontation croisée comme instrument de développement du travail interprétatif dans un environnement technologique complexe. (Encouraging reflection in robotic surgery: crossed self-confrontations as an instrument for developing interpretive practice in a complex technological environment). *Psychologie du Travail et des Organisations*, resubmitted.
3. Seppänen, L. (in press). Learning challenges and sustainable development: A methodological perspective. *Work: A Journal for Prevention, Assessment and Rehabilitation*.
4. Seppänen, L., A. Ala-Laurinaho, P. Piispanen. (2015). Logics of fluency in the transformation of the Finnish rail traffic control network. *Journal Production*, 25(2), 278-288.
5. Pereira Querol, M., Seppänen, L. & Jackson Filho, M. (2015). Understanding the motivational perspectives of sustainability: a case of biogas production. *Journal Production*, 25(2), 266-277.
6. Pereira-Querol, M. A., Seppänen, L., & Virkkunen, J. (2014). Exploring the developmental possibilities of environmental activities: On-farm biogas production. *Environmental Science and Policy*, 37(2014), 134-141.
7. Heikkilä, H. and Seppänen, L. (2014). Evaluating Developmental dialogue: The emergence of participants' transformative agency. *Outlines: Critical Practice Studies* 15(2), 5-30.
8. Pereira-Querol, M. and L. Seppänen. (2012). "Finding disturbances in on-farm biogas production." *Work: A Journal for Prevention, Assessment and Rehabilitation* 41(2012): 81-88.
9. Pereira-Querol, M. A., Suutari, T. and Seppänen, L. (2010). Learning as the construction and re-mediation of activity systems: environmental management in Biogas production. *Journal of Agricultural Education and Extension* Vol. 16, No. 4, 373_384, December 2010.
10. Pereira-Querol, M. and Seppänen, L. (2009). Learning as changes in activity systems: the emergence of on-farm biogas production for carbon credits. *Outlook on Agriculture* 38(2), 147-155.
11. Nousiainen, M., Pylkkänen, P., Saunders, F., Seppänen, L. and Vesala, K. M. (2009). Are alternative food systems socially sustainable? A case study from Finland. *Journal of Sustainable Agriculture* 33 (5): 566-594.
12. Juha Helenius, Esa Aro-Heinilä, Reija Hietala, Minna Mikkola, Helmi Risku-Norja, Laura Seppänen, Marko Sinkkonen and Antto Vihma. (2007). Systems frame for multidisciplinary study on sustainability of localizing food. *Progress in Industrial Ecology*, Vol 4, No 5, 2007: 328-347.
13. Seppänen, L. & Helenius, J. (2004). Do inspection practices in organic agriculture serve organic values? A case study from Finland. *Agriculture and Human Values* 21(1):1-13.

14. Seppänen, L. (2002). Creating tools for farmers' learning: an application of developmental work research. *Agricultural Systems* 73 (1):129-145.
15. Seppänen, L. (2002). Societal integration in organic vegetable farming: exploring learning challenges. *The Journal of Agricultural Education and Extension*, 8 (2), 87-100.
16. Lieblein, G., Francis, C., Barth-Eide, W., Torjusen, H., Solberg, S., Salomonsson, L., Lund, L., Ekblad, G., Persson, P., Helenius, J., Loiva, M., Seppänen, L., Kahiluoto, H., Porter, J., Olsen, H., Sriskandarajah, N., Mikk, M., & Flora, C. (2000). Future education in ecological agriculture and food systems: a student-faculty evaluation and planning process. *Journal of Sustainable Agriculture*, Vol. 16(4) 2000: 49-68.

4b Articles in international peer-reviewed books and conference proceedings

17. Seppänen, L., & Toiviainen, H. (2017). Relational agency and the development of tools in service networks. In A. Edwards (Ed.), *Working relationally in and across practices. A cultural-historical approach to collaboration* (pp. 153-171). Cambridge: Cambridge University Press.
18. Seppänen, L., Kloetzer, L., Riikonen, J., & Wahlström, M. (2016). A developmental perspective to studying objects in robotic surgery. In L. Introna, D. Kavanach, S. Kelly, W. Orlikowski, & S. Scott (Eds.), *Beyond interpretivism? New encounters with technology and organization. IFIP WG 8.2 Working Conference on Information Systems and Organizations, IS&O 2016, Dublin, Ireland, December 9-10, 2016, Proceedings* (Vol. 489 pp. 229-245). Springer International Publishing: IFIP Advances in Information and Communication Technology.
19. Seppänen, L. & Riikonen (2016). Learning interpretativeness for sustainability: Exploring the self-confrontation method in robotic surgery. In: Anja Heikkinen and Aaro Harju (Eds) *Adult Education and the Planetary Condition. Freedom and Responsibility in Liberal Adult Education-research programme*. Pp. 124- 133.
20. Seppänen, L. (2015). Mapping out a method for enhancing learning of interpretative practice in robotic surgery. Paper presented at the 6th Nordic Conference for Adult Education and Learning, Tampere, Finland, March 2015.
21. Seppänen, L. (2014). Examining ingredients for business models in public service networks. Paper presented at the 24th Annual RESER Conference, September 11-13, 2014, Helsinki, Finland.
22. Seppänen, L., & Kloetzer, L. (2014). A micro-analysis of professional concepts in social work. In T. Hansson (Ed.), *Contemporary Approaches to Activity Theory: Interdisciplinary Perspectives on Human Behavior* (pp. 162-181). *Advances in Human and Social Aspects of Technology*.
23. Vilela AG R., Pereira Querol, M., Antunes Lima, F., Gomes Lopes, M., Almeida, I., Jackson Filho, J. 2014. Work Ergonomic Analysis and Change Laboratory: similarities and complementarities between interventionist methods. In: T. Ahram, W. Karwowski and T. Marek (Eds). *Proceedings of the 5th International Conference on Applied Human Factors and Ergonomics AHFE 2014, Kraków, Poland 19-23 July 2014*. 1 rd. Krakówia –PO: The Printing House Inc, v.1. p. 3921-3932.
24. Seppänen, L., Ala-Laurinaho, A., Launis, K., & Schaupp, M. (2009). Representing changes in work in and for developmental interventions. Paper presented at the 17th World Congress on Ergonomics: Changes, Challenges and Opportunities., Beijing, China.
25. Pereira-Querol M. and Seppänen L. (2008). Learning as changes in activity systems: the emergence of on-farm biogas production for carbon credits. In: Dedieu B, editor. 8th

- European International Farming Systems Association Symposium, proceedings Association for Farming Systems Research-Extension European Group, 2008.
26. Piispanen P, Seppänen L, Tikkamäki K, Keränen J, Murtonen M, Suoninen J. Learning risk management - Challenges and good practices. In: Book of Abstracts of Research work and learning, 5th International Conference on Researching Work and Learning, Cape Town South Africa, 2.-5.12.2007. Bellville 7530, South Africa: Division for Lifelong Learning, University of the Western Cape; 2007:680-5.
 27. Seppänen, L. and Francis, C. (2006). Design of farmer education and training in organic agriculture. In: Paul Kristiansen, Acram Taji and John Reganold (Eds.). *Organic Agriculture: a Global Perspective*. CSIRO, Australia: 407-419.
 28. Mikkola, M & Seppänen, L. (2006). Farmers' new participation in food supply chains: Making horizontal and vertical progress by networking. In: Hans Langeveld and Niels Röling (eds) *Changing European farming systems for a better future*. Wageningen Academic Publishers. pp 267-271.
 29. Seppänen, L. (2005). Societal integration in organic vegetable farming: exploring learning challenges. In: Yrjö Engeström, Joachim Lompscher and Georg Rückriem (Eds.). 'Putting Activity Theory to Work: Contributions from Developmental Work Research'. Lehmanns Media, Berlin: 445-468.
 30. Engeström, Y., Puonti, A. & Seppänen, L. (2003). Spatial and temporal expansion of the object as a challenge for reorganizing work. In: Nicolini, D., Gherardi, S. & Yanow, D. (Eds.). *Knowing in organizations: A practice based approach*. Armonk: M. E. Sharpe: 151-186.
 31. Seppänen, L. & Koskimies, H. (2002). Farming across the years: temporal and spatial dimensions in learning organic farming. The 5th IFSA European Symposium on Farming and Rural Systems Research and Extension: Local Identities and Globalisation. Florence, Italy, April 8 to 11, 2002. Proceedings: 528-537.
 32. Seppänen, L. (2000). Activity theoretical view on crop rotation planning in organic vegetable farming. Fourth European Symposium on European Farming and Rural Systems Research and Extension, in Volos, Greece, April 3 to 7, 2000. Proceedings: 283-292.

4c Articles in Finnish peer-reviewed journals

33. Seppänen, L. (2009). Kuvia ja näkökulmia perheneuvolatyön lähikehitykseen. (Images and perspectives in the zone of proximal development of family counseling) *KONSEPTI - toimintakonseptin uudistajien verkkolehti* 5(2).
34. Seppänen, L. (2006). Paikallisten ruokaketjujen konseptit toimintalogiikoiden vuoropuhelussa. (Local concepts of food chains in the dialogue of logics of action; in Finnish). *Maaseudun Uusi Aika* 1/2006: 19-33.
35. Seppänen, L. (2005). Ovatko erilaiset näkökulmat voimavara uusien toimintakonseptien kehittämisessä? Esimerkki lähiruokajärjestelmän suunnittelusta. (Are different perspectives a resource in developing new activity concepts? An example of designing a local food system. In Finnish) *Verkkolehti Konsepti* 2/2005. www.muutoslaboratorio.fi
36. Seppänen, L. (2004). Mitä luomutarkastuskäynnillä tapahtuu? Luonnonmukaisuus ja tarkastuskäytännöt kehittämisen näkökulmasta. (What happens in organic inspections? The nature of organic and inspection practices from a developmental perspective. *Maaseudun Uusi Aika* 2/2004 5-19.

4d Articles in Finnish scientific volumes and scientific conference proceedings

- 37 Seppänen, L., A. Ala-Laurinaho, et al. (2011). Kuinka verkoston lähikehitystä tutkitaan? Esimerkkinä rautateiden liikenteenohjaus. (How to investigate the zone of proximal development of networks? The case of rail traffic control) Työelämän tutkimuspäivät 2010. Työn tuottavuus + työelämän laatu – mahdollisuus vai mahdottomuus? . Tampere, Työelämän tutkimuskeskus. Yhteiskunta- ja kulttuuritieteiden yksikkö. Tampereen yliopisto. Työelämän tutkimuspäivien konferenssijulkaisuja 2/2011: 152-164.
- 38 Seppänen, L., Pihlaja, J. and Launis, K. (2009). Oppiminen yleistämisenä Ruralia-instituutin hanketyöskentelyssä. (Learning as generalization in project work of Ruralia Institute). In Sami Kurki & Riitta Kaipainen (eds) Tieteestä tekoja. Yliopiston yhteiskunnallisen vuorovaikutuksen tulkintoja maaseutukontekstissa. (Actions from science. Interpretations of the societal engagement of the university in rural context) University of Helsinki, Ruralia Institute.

4e Scientific monographs

- 39 Seppänen, L. (2011). Learning Challenges and Tools in Organic Vegetable Farming. An Activity Theoretical Study of Practices in Farming and Inspection. Saarbrücken, VDM Verlag Dr. Müller.
- 40 Seppänen, L. (2004). Learning challenges in organic vegetable farming. An activity theoretical study of on-farm practices. Doctoral dissertation in Agroecology. University of Helsinki. <http://ethesis.helsinki.fi/julkaisut/maa/sbiol/vk/seppanen/>
- 41 Seppänen, L. (1988). Väinönputken juurisato ja aromi. Master's Thesis in Horticulture, University of Helsinki.

4f Other scientific publications

- 42 Seppänen, L. (2015). Review of 'Collaborative projects: an interdisciplinary study'. Book edited by Andy Blunden. *Outlines - Critical Practice Studies*, 16(1), 93-97.
- 43 Seppänen, L. (2014). Examining ingredients for business models in public service networks. Paper presented at the 24th Annual RESER Conference, September 11-13, 2014, Helsinki, Finland.
- 44 Kloetzer, L., & Seppänen, L. (2014). Dialogues and interactions as “the nursery for change”. *Outlines - Critical Practice Studies* 15(2), 1-4 (Editorial).
- 45 Seppänen, L., Cerf, M., & Toiviainen, H. (2013). Multi-voiced customer understanding in the zone of proximal development of public service networks. Paper presented at the EGOS 2013.
- 46 Seppänen, L. (2012). Examining activity concepts: can institutional logics help? European Group for Organizational Studies. Helsinki, Finland, 4.-7.7.2012.
- 47 Seppänen, L., Schaupp, M., Toiviainen, H., Ala-Laurinaho, A., Heikkilä, H., Kira, M., Korpelainen, E., Lallimo, J., Ruotsala, R. & Uusitalo, H. (2012). Palveluverkostojen asiakasymmärryksen tutkimuslähtökohtia: Konseptimuutosten haasteet ja työhyvinvointi. Helsinki, Toiminnan. kehityksen ja oppimisen tutkimusyksikkö CRADLE, Tutkimusraportteja 13. Unigrafia. <https://helda.helsinki.fi/handle/10138/32393>
- 48 Seppänen, L., Toiviainen, H. (2011). Työ, oppimishaasteet ja kestävyys muuttuvissa verkostoissa. Työelämän tutkimuspäivien työryhmän esittely. Työelämän tutkimus 1/2011: 92-93.

- 49 Seppänen, L. and A. Koli. 2010. Exploring work: Employee stories as tools for promoting workplace well-being. Proceedings of the Conference Towards better work and well-being, 10-12 February 2010, Helsinki, Finland, Finnish Institute of Occupational Health. http://www.ttl.fi/en/international/conferences/towards_better_work/Documents/Proceedings_of_the_International_Conference.pdf
- 50 Seppänen, L., Arja Ala-Laurinaho, A., Marika Schaupp, M. and Launis, K. 2009. Representing changes in work in and for developmental interventions. Paper published at the 17th World Congress on Ergonomics, August 2009, Proceedings.
- 51 Seppänen, L. 2008. Interventioilla 'mahdollistaviin ympäristöihin'? Activity2008-symposiumin satoa. (With interventions towards 'enabling environments?' Results from Activity2008 Symposium. In Finnish) An internet-article published in the webpage of Finnish Ergonomic Association <http://www.ergonomiayhdistys.fi/files/seppanen-2008.pdf>
- 52 Seppänen, L., Esa Aro-Heinilä, Juha Helenius, Reija Hietala-Koivu, Hanna Ketomäki, Minna Mikkola, Helmi Risku-Norja, Marko Sinkkonen, Hanna Virtanen. (2006). Paikallinen ruokajärjestelmä: ympäristö – ja talousvaikutuksia sekä oppimishaasteita. Helsingin yliopisto, Ruralia-instituutti, Mikkeli. Raportteja 9. ISBN 952-10-2573-5. 116 s.
- 53 Seppänen, L. (ed). (2004). Local and organic food and farming around the Baltic Sea. Ekologiskt lantbruk nr 40, July 2004. Center for sustainable agriculture, Swedish Agricultural University, Sweden. Available at <http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/epok/Publikationer/ekolantbruk40.pdf>
- 54 Seppänen, L., Muuttomaa, E., Granstedt, A. & Pehu, E. (2000). Viljelyn, neuvonnan ja tutkimuksen keskellä. Osallistuva luomuvihannestilojen kehittäminen. Maatalouden tutkimuskeskuksen julkaisuja. Sarja A 75. Jokioinen: Maatalouden tutkimuskeskus. 61 p.
- 55 Seppänen, L. (2000). Multiple aspects of sustainability: exploring societal integration in organic vegetable farming. Paper presented at the EGOS (European Group for Organizational Studies) Colloquium, July 2-4, 2000.

Other publications

- 56 Seppänen, L., Heikkilä, H., Kira, M., Lallimo, J., Ruotsala, R., Schaupp, M., Toiviainen, H., Uusitalo, H. & Ala-Laurinaho, A. (2014). Palveluverkostojen muuttuvat toimintakonseptit. Asiakasymmärrys, välineet ja työhyvinvointi verkostoyhteistyössä. In Työterveyslaitos (Ed.), Tietoa työstä (<http://www.ttl.fi/fi/verkkokirjat/Documents/Palveluverkostojen%20muuttuvat%20toimintakonseptit.pdf> ed.).
- 57 Seppänen, L., Toiviainen, H., & Kira, M. (2014). Palveluverkostojen asiakasymmärrys muutoksessa. In T. Pakarinen & T. Mäki (Eds.), Henkilöstöjohtaminen kurkiauran kärkeen. Uudistumisen sykettä palveluihin. (pp. 135-150). Helsinki: Edita.
- 58 Ala-Laurinaho, A., Heikkilä, H., Piispanen, P. ja Seppänen, L. (2012). Verkostomuutos, solmutyöskentely ja työhyvinvointi raideliikenteenohjauksessa. SUJUT - Sujuvan yhteistyön, työhyvinvoinnin ja yksilön valintojen tukeminen toimintaverkostossa -hankkeen loppuraportti. Liikenneviraston tutkimuksia ja selvityksiä 17/2012.
- 59 Seppänen, L. 2008. Oppimiskäytäntöjen uusiminen toimintakonseptien muutoksessa. Arvostelu kirjasta Jaakko Virkkunen & Heli Ahonen (2007) Oppiminen muutoksessa: Uusi väline työyhteisön oppimiskäytäntöjen uudistamiseen. (Evaluation article of a book: Renovation of learning practices in transformations of work, in Finnish). Työelämän tutkimus 2/2008 s. 230-232.

- 60 Mikkola, M. & Seppänen, L. (2006). Ketjun toimijoiden väliset suhteet elintarvikkeiden vuon suuntaamisessa. (Relations between the chain actors in directing the food flow. In Finnish). Maataloustieteen päivät 11.-12.2006.
- 61 Seppänen, L. (2005). Ajatuksia tutkimuksen kehittämissuuntautuneisuudesta. (Thoughts about the development-orientedness of research. In Finnish). Maaseudun Uusi Aika, joulukuu 2005: 76-83.
- 62 Helenius, J., Aro-Heinilä, E., Hietala-Koivu, R., Mikkola, M., Risku-Norja, H., Seppänen, L., Sinkkonen M. and Vihma, A: (2005). Ruokajärjestelmämalli lähiruoan kestävyysmonitieteiseen tutkimukseen. (Systems frame for multidisciplinary study on localizing food as an issue of sustainability. In Finnish). Maataloustieteen päivät 11.-12.2006.
- 63 Laura Seppänen, Salla Kakriainen ja Hanna-Riikka Tuhkanen. 2005. Beras - yhteyksiä Itämeren ympärillä. Eko-yliopisto-lehti 2/ 2005, sivu 7.
- 64 Mikkola, M & Seppänen, L. (2005). Paradigmatic actor relations within vegetable chains: contested views? A poster presentation at the seminar Fairness and Wellfair in Rural-Urban Relations 8.-10.12.2005 in Ruralia Institute, Mikkeli, Finland
- 65 Nykänen, A., Heikkilä, A-M., Huhtala, A., Kottila, M-R., Lätti, M., Mäkelä, J. and Seppänen, L. (2005). Economics, Food and Markets Research under Research Program for Organic Food and Farming in Finland. See www.core-organic.org
- 66 Seppänen, L. (2000). Creating tools for farmers' learning: an application of developmental work research in organic vegetable farming. In: Berdegué, J., Guijt, I. & Loevinsohn, M. (Eds.). Deepening the basis of rural resource management. Workshop proceedings: 89-99. ISNAR & RIMISP.
- 67 Seppänen, L., Muuttomaa, E., Granstedt, A. & Pehu, E. 2000. Viljelyn, neuvonnan ja tutkimuksen keskellä. Osallistuva luomuvihannestilojen kehittäminen. Maatalouden tutkimuskeskuksen julkaisuja. Sarja A 75. Jokioinen: Maatalouden tutkimuskeskus. 61 p.
- 68 Seppänen, L. (1998). Luonnonmukainen vihannestuotanto - mitä pitäisi kehittää? In: Salo, R. (ed.). 1998. Symposium on Organic Production and Research. Agricultural Research Centre of Finland, Jokioinen, 25.-26.2.1997. Publications of Agricultural Research Centre of Finland. Serie A 33. p. 23-28. (In Finnish). Abstract in English: The need for development in organic vegetable production.
- 69 Seppänen, L. (1999). Planning the Crop Rotation in Organic Vegetable Farming: Implications to Advisors. In: Kania, J. & Drygas, M. (Eds.). The Role of Extension in a Global World. Proceedings of the 14th European Seminar on Extension Education. Volume 1. pp. 152-161.
- 70 Seppänen, L.(1999). Organic Vegetable Farming and its Zone of Proximal Development. A research plan. University of Helsinki, Department of Education, Center for Activity Theory and Developmental Work Research. Working Papers number 15/99. 38 pages.
- 71 Seppänen, L.(1999). Looking for new forms of organic vegetable farming – an application of activity theory and developmental work research. In: Zanolli, R. & Krell, R. (Eds.). 1999. First SREN workshop on research methodologies in organic farming. Frick, Switzerland, 30 September- 3 October 1998. Proceedings:171.172. Food and Agriculture Organization of the United Nations (FAO), Regional Office for Europe (REU): Technical series 58.
- 72 Seppänen, L. & Padel, S. (1999). How to apply a holistic interdisciplinary approach to development/extension. In: Zanolli, R. & Krell, R. (Eds.). 1999. First SREN workshop on research methodologies in organic farming. Frick, Switzerland, 30 September- 3 October 1998. Proceedings:129-131. Food and Agriculture Organization of the United Nations (FAO), Regional Office for Europe (REU): Technical series 58.