

# Kristiina Kumpulainen

– Curriculum Vitae

03 January 2018

## 1. FULL NAME

Kumpulainen Päivi Kristiina, Female

## 2. DATE AND PLACE OF BIRTH, NATIONALITY, CURRENT RESIDENCE

November, 14, 1966, Rovaniemi, Finland, Finnish

Contact information: Faculty of Educational Sciences, P.O.Box 9, FI-00014 University of Helsinki, Finland. kristiina.kumpulainen@helsinki.fi  
ORCID ID: [orcid.org/0000-0002-0721-0348](https://orcid.org/0000-0002-0721-0348)

## 3. EDUCATION AND DEGREES AWARDED

- 1994 Doctor of Philosophy in Education, University of Exeter, UK
- 1989 Master of Education, Department of Teacher Education, University of Oulu, Finland
- 2010 Adjunct professor (education), University of Helsinki, Finland
- 2003 Adjunct professor (social interaction in learning and instruction), University of Turku, Finland

## 4. LINGUISTIC SKILLS

Finnish (mother tongue), English, Swedish, German (second language)

## 5. CURRENT POSITION

01.01.2012- Professor in education, University of Helsinki,  
Vice Dean in research (1.9.2018--)

## 6. PREVIOUS WORK EXPERIENCE

- 2009-11 Director, Information and evaluation services, Finnish National Board of Education
- 2007-9 Visiting professor (pedagogy), Institute of Education, University of Warwick, UK
- 2006-9 Director, CICERO Learning, University of Helsinki, Finland
- 2004-6 Visiting professor, University of California, Santa Barbara (UCSB)
- 2005-6 Professor (school pedagogy), University of Jyväskylä, Finland
- 2000-5 Academy Fellow of the Academy of Finland
- 1998-00 Director, COLISM-research project (Academy of Finland), University of Oulu, Finland
- 1998-05 Senior lecturer (learning and instruction), University of Oulu
- 1995-8 Junior Research Fellow of the Academy of Finland
- 1992-5 Researcher, University of Exeter, UK
- 1991-2 Elementary school teacher, Oulu, Finland
- 1990-1 Researcher, University of Exeter, UK
- 1988-90 Elementary school teacher, Oulunsalo, Finland

### *Most important foreign visits*

- 1990-1, 1992-4 University of Exeter, School of Education, Exeter, UK
- 2004-6 University of California, Santa Barbara, USA

## 7. RESEARCH FUNDING, LEADERSHIP AND SUPERVISION

(Funding in total ca. 5.5 milj. eur)

		2010-3	AGENTS – Children’s efficacious agency in formal and informal contexts, Finance: Academy of Finland ‘SKIDIKIDS’ research programme (PI)
2017-20	Learning by making: The educational potential of school-based makerspaces for young learners’ digital competencies, Finance: Academy of Finland (Principal Investigator, PI).	2009-12	VISCI - Virtual Intelligent Space for Collaborative Innovation, Finance: Academy of Finland ‘Ubiquitous computing’ research programme (PI)
2017-9	Makerspaces in the early years: Enhancing digital literacy and creativity. Finance: EU H2020 Research and Innovation Staff Exchange (RISE) programme (Project partner)	2008-9	Review of Research on Learning Environments, Finance: The Finnish National Board of Education (PI)
2016-9	The digital literacy and multimodal practices of young children. Finance: COST European Cooperation in Science and Technology (Project partner)	2008-10	ICT in Learning and Teaching in Finnish Comprehensive Schools, Finance: Finnish Ministry of Transport and Communications (PI)
2016-8	The Joy of Learning Multiliteracies (MOI) research and development program, Finance: Ministry of Education and Culture (PI)	2008-9	Learning Bridges: Teaching and learning at the intersection of formal and informal learning environments, Finance: Finnish Ministry of Education and Culture (PI)
2016-8	A comparative study of early childhood education in selected high performing countries. Finance: Teacher’s College, Columbia University (co-PI, in collaboration with professor Sharon Lyn Kagan, PI),	2006-9	The ecology of young learners’ science learning and thinking, Finance: Academy of Finland (co-PI)
2016-8	EDUDIGI, European Regional Development Fund (co-PI)	2005-6	DIGIMON, Digital Multimedia Learning Opportunities for Teacher Education: Powerful tools of toys?, Finance: University of Oulu, Finland (PI)
2017	Diggaa mun digimatkaa, Kirkkonummen kunta, Finnish National Agency for Education	2002-6	MATIS, Mathematics Teacher Learning in the Information Society, Finance: Academy of Finland, ‘Life as learning’ research programme (PI)
2014-6	Playful Learning Center. Finance: TEKES (PI)	2000-5	The social construction of scientific understanding in a community of learners: Theoretical, methodological and pedagogical considerations, Finance: Academy of Finland (PI)
2014-5	Mobile learning and playing child (Mobilo) - teacher professional development program. Finance: National Board of Education (PI)	1999-02	MILE-International: Multimedia interactive learning environment for primary mathematics educators, Finance: EU Comenius 3.1 programme (PI)
2013-7	SISU, Social ecologies of children’s resilience among young children starting school in South-Africa and Finland: A visual participatory study. Finance: Academy of Finland (PI)	1998-00	Community of Learners in Science and Mathematics (COLISM), Finance: Academy of Finland (PI)
2013-4	Positive pedagogy - teacher professional development program. Finance; National Board of Education (PI)	1995-8	Functional Analysis of Children’s Classroom Talk, Finance: Academy of Finland (PI)
2010-3	Koulu kaikkialla, OMNISCHOOL, Finance: Finnish Ministry of Education and Culture (co-PI)	1994-5	Classroom talk, interaction and learning: a cross-cultural study, Finance: University of Exeter, Cultural Foundation of Finland (PI)

- 1993-4 Researcher training abroad grant, Academy of Finland (PI)
- 1990-5 Grants for doctoral studies: Honkanen trust, Cultural Foundation of Finland, Ehnrooth trust, Wainstein trust (PI)

*Production of teaching and learning materials.* Produced and published several teaching and learning materials for teacher education and for researchers and other education professionals. See full publication record.

*Supervised Master level thesis.* More than 100 Master level thesis in education.

### Supervised doctoral dissertations (9 completed)

- Saadatmand, M. (2017, May). MOOCs in education: A learner perspective. University of Helsinki.
- Paananen, M. (2016). Early childhood education and policy in Finland. University of Helsinki.
- Rajala, A. (2016). Students' learning across school and out of school contexts. University of Helsinki.
- Hilppö, J. (2016). Children's sense of agency: A co-participatory investigation. University of Helsinki.
- Kovalainen, M. (2013). Learning and teaching as social construction. University of Oulu.
- Kangas, M. (2010). The school of the future: Theoretical and pedagogical approaches for creative and playful learning environments. University of Lapland.
- Chang, J. (2009). A sociocultural approach to teaching English as a foreign language. University of Warwick.
- Kaartinen, S. (2003). Learning to participate, participating to learn in science and mathematics classrooms. University of Oulu.
- Willman, A. (2001). Yhteistyön ristiriitaiset puheet: Diskurssianalyttinen näkökulma luokanopettajien tulkintoihin tiimityöstä. University of Oulu.

### Officially appointed supervisor

10 Doctoral students

## 8. MERITS IN TEACHING AND PEDAGOGICAL COMPETENCE

*Pedagogical training.* Master's degree in education and an elementary teacher educator qualification.

*Feedback on teaching.* Official evaluations; excellent

*Experience in teaching.* Three years experience as an elementary school teacher in Finland; Twenty years experience in in teacher education programs; Organized several international courses on qualitative research methodologies, in particular on video research and discourse analysis methods.

## 9. AWARDS, PRIZES AND HONOURS

- 2015 Semifinalist for Helsinki Challenge competition, PLAY-LEARN-HEAL Children's hospital project.
- 2007 Nomination for the best paper award at the THE POWER OF MEDIA IN EDUCATION NBE Conference, Rovaniemi, Finland.
- 2002 European Association for Research on Learning and Instruction (EARLI); Nomination for the Outstanding Publication Award for the article: "Collaborative inquiry and the construction of explanations in the learning of science", Learning and Instruction, 2002, 12, 189-212. S. Kaartinen & K. Kumpulainen, University of Oulu, Finland.

## 10. OTHER ACADEMIC MERITS

*Evaluator of professorships;* University of Oslo (2)

*Evaluator of adjunct professorships.* Maarit Arjava, University of Jyväskylä; Anneli Sarja, University of Jyväskylä

*Evaluator of doctoral theses.* Heli Muhonen, University of Jyväskylä, Anitta Melasalmi, University of Turku, Sanna Ulmanen, University of Tampere, Agnese Karaseva, University of Tartu, Carla Geveke, University of Groningen, Jessica Harris, University of Queensland, Heli Makkonen University of Joensuu; Sari Kivilehto, University of Helsinki; Marko Kuuskorpi, University of Turku; Mervi Hangasmaa, University of Jyväskylä; Kirsi Alila, University of Tampere; Daniela Jadue Roja, University of Cambridge, UK; Aulikki Etelälähti, University of Tampere, Jenni Salminen, University of Jyväskylä; Ásrún Matthíasdóttir, University of Iceland; Antero Hirvensalo, Aalto University; Päivi Vesala, University of Eastern Finland; Azilawati Jamaludin, Nanyang technological University, Singapore

*Evaluator of licenciate theses.* Timo Haukola, Aalto University

*Evaluator of professorships and lectureships.*  
University of Tampere; University of Eastern Finland, University of Lapland; University of Gothenburg, University of Turku, University of Jyväskylä, University of Oslo, University of Helsinki

2005 FIPSE - EU/US Cooperation program in Higher Education and Vocational Education and Training

*Editor-in-Chief*

2007-13 Life Long Learning in Europe (LLinE) – journal

2008-13 JETEN, Journal of European Teacher Education Network (co-editor with Dr. Auli Toom)

*Reviewer.* British Journal of Educational Psychology, Educational Research Review, Educational Researcher, Computers and Education, Learning and Instruction, Journal of Classroom Interaction, International Journal of Educational Research, Journal of Mathematics Education, Mind, Culture and Activity, Kasvatus, LlinE, Reading Research Quarterly, Early Years: An International Research Journal

*Editorial Board Member*

2015- European Journal of Educational Psychology

2008- International Journal of Educational Research

2006-15 Educational Research Review

*Most important scientific positions of trust and administration*

2017-9 Member of the advisory board of Tarinat Peliin (Stories in Games) run by the Finnish Museum Association

2015- Advisory board member of the Finnish National Board of Education

2014-5 Member of New Education (Uusi Koulutus) forum run by SITRA

2014-7 Member of the Publication forum run by The Federation of Finnish Learned Societies

2014-6 Member of the advisory board of Linkki - Museot mediakasvattajiksi program of Finnish Museum Association

2013- Member of the advisory board of Kids' workshop (Pienten Paja) program of Helsinki Museum of Technology

2012-14 National co-ordinator of NORDLAC, Nordic Network of Researching Learning Across Contexts funded by Nordforsk

2010-13 Expert advisor of OECD Teaching and Learning International Survey (TALIS 2)

2010-14 Vice chair of the Finnish Team of Global Education Leaders Program (GELP)

2009-12 Member of the Life Long Learning Council of the Ministry of Education and Culture

2009-12 Member of Teacher Education Advisory Council, University of Helsinki

*External evaluator*

2018- Norwegian Research Council

2017 EU expert evaluator for EC in reviewing project iMuSciCa (731861)

2016-7 Norwegian Research Council

2012-7 Faculty of National Institute of Education (NIE), Singapore

2015-7 Horizon 2020 – Work Programme  
2014-15 – Science with and for Society

2013-4 Swedish Research Council

2012 Cultural Foundation of Finland

2010 CORE 2010 Multi-annual thematic research programme, Luxembourg public research

2012 EDULink project, international evaluator

2007 NWO, The Netherlands Organisation for Scientific Research

2006 CO-REACH programme, nominated by the Academy of Finland

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|---------|---|----|--|
| 2009-12 | Member of the Finnish In-service Education Advisory Council for Education Staff   | 6. | Kumpulainen, K. (2011, December). How is Finland responding to the 21st century imperative? Keynote address. Whole Education Conference, London.   |
| 2008-   | Member of the Advisory Board of the ESR-project 'Towards active citizens in open learning environments', Finnish Ministry of Education and Culture          | 7. | Kumpulainen, K. (2008, November). Researching classroom interaction. National Graduate School of Education in Switzerland. University of Lausanne, Switzerland.  |
| 2008-13 | Member of InnoApaja Board of Helsinki Museum of Technology  | 8. | Kumpulainen, K. (2005, August). When <i>effective</i> becomes meaningful and when <i>learning</i> becomes participation. Conceptual shifts in research on social interaction in learning and instruction. Keynote address. The Biannual Conference of EARLI, Cyprus. |
| 2007-13 | Chair of LLLnE journal, national and international editorial boards   |    |  |
| 2004-14 | Member of OPPIKO, a sub-unit of KASVA Finnish graduate school   |    |  |
| 2001-5  | Executive Board member of the European Teacher Education Network (ETEN)   |    |  |
| 2001-5  | EARLI SIG Co-ordinator, European Association for Research on Learning and Instruction Special Interest Group Social Interaction in Learning and Instruction |    |  |

## 11. SCIENTIFIC AND SOCIETAL IMPACT OF RESEARCH

Google scholar citations: 2457, h-index 27, i10-index 44 (03 Jan, 2018)

ResearchGate RG score 24.65 (03 Jan, 2018)

### *Selected invited international keynote addresses*

1. Kumpulainen, K. (2017). Makerspaces in early years centers and schools in the cultural context(s) of Finland. A keynote address at the Valuing the Visual in Literacy Research, University of Sheffield, UK.
2. Kumpulainen, K. (2016). Play and Learning in Finnish Education Policy and Practice. Inaugural PEDAL research seminar, University of Cambridge, UK.
3. Kumpulainen, K. (2014, November). Digital natives and learning in practice. Blurring educational Boundaries: Young people's agency in learning practices. International symposium. University of Barcelona, Spain.
4. Kumpulainen, K. (2014, June). Researching engagement, agency and co-construction of meaning in educational interactions. Keynote address. EARLI Jure conference, Cyprus.
5. Kumpulainen, K. (2013, March). Understanding and promoting learning from the 'connected learning' perspective. Keynote address. Nordic Educational Research Association (NERA) Conference 2013. Reykjavik, Iceland.

# PUBLICATIONS

## A PEER-REVIEWED SCIENTIFIC ARTICLES

### A1 Original scientific articles

1. Salmi, S. & Kumpulainen, K. (2017). Children's experiencing of their transition from pre-school to first grade: A visual narrative study. *Learning, Culture and Social Interaction*. DOI: <http://dx.doi.org/10.1016/j.lcsi.2017.10.007>
2. Kumpulainen, K. & Rajala, A. (2017). Dialogic teaching and students' discursive identity negotiation in the learning of science. *Learning and Instruction*, 28, 23-31.
3. Kumpulainen, K. & Erstad, O. (2017). (Re) Searching learning across contexts: Conceptual, methodological and empirical explorations. *International Journal of Educational Research*, 84, 55-57.
4. Kumpulainen, K. & Rajala, A. (2017). Negotiating time-space contexts in students' technology-mediated interaction during a collaborative learning activity. *International Journal of Educational Research*, 84, 90-99.
5. Huhtamäki, E., Holma, H., Nokelainen, P., & Kumpulainen, K. (2017). Otos iloa – lasten näkökulmia iloa tuottavista peruskoulun oppimisympäristöistä. *Kasvatus*, 48, 336-352.
6. Livingstone, S., Lemish, D., Lim, S.S., Bulger, M., Cabello, P., Claro, M., Cabello-Hutt, T., Khalil, J., Kumpulainen, K., Nayar, U.S., Nayar, J., Tan, M.M., Prinsloo, J., & Wei, B. (2017). Global perspectives on children's digital opportunities: an emerging research and policy agenda. *Pediatrics*, 140, 137-141.
7. Kumpulainen, K. (2017). Picturing voice: Visual methods and children's voices in Finnish education. *IMAGE*, 3(1), 210-212.
8. Hilppö, J. Rajala, A., Zittoun, T., Kumpulainen, K., & Lipponen, L. (2016). Interactive dynamics of imagination in a science classroom. *Frontline Learning Research*, 4(4), 20-29.
9. Rajala, A., Kumpulainen, K., Rainio, A., Hilppö, J., & Lipponen, L., (2016). Dealing with the contradiction of control and agency during dialogic teaching. *Learning, Culture and Social Interaction*, 10, 17-26.
10. Rajala, A., Martin, J., & Kumpulainen, K. (2016). Agency and learning: Researching agency in educational interactions. *Learning, Culture and Social Interaction*, 10, 1-3.
11. Kumpulainen, K. (2016). Researching learning across contexts: From dichotomies to a dialogic approach. *Qwerty*, 11(1), 11-25.
12. Saarivirta, T. & Kumpulainen, K. (2016). School autonomy, leadership and student achievement: Reflections from Finland. *International Journal of Educational Management*, 30(7), 1268-1278.
13. Hilppö, J., Lipponen, L., Kumpulainen, K., & Rajala, A. (2016). Visual Tools as Mediation-al Means: A Methodological Investigation. *Journal of Early Childhood Research*, 15(4), 359-373.
14. Hilppö, J., Lipponen, L., Kumpulainen, K., & Rainio, A. (2016). Children's Sense of Agency in Preschool: A Sociocultural Investigation. *International Journal of Early Years Education*, 24(2), 157-171.
15. Kumpulainen, K. & Mikkola, A. (2015). Researching formal and informal learning: From dichotomies to a dialogic notion of learning. *International Journal of Research on Extended Education*, 3(2), 5-23.
16. Kumpulainen, K., Theron, L., Kahl, C., Bezuidenhout, C., Mikkola, A., Salmi, S., Khumalo, T., & Malmivaara-Uusitalo, L. (2015). Children's positive adjustment to first grade in risk-filled communities: A case study of the role of school ecologies in South-Africa and Finland. *School Psychology International*, 37(2), 121-139.
17. Hilppö, J., Lipponen, L., Kumpulainen, K., & Virlander, M. (2015). Sense of agency and everyday life: Children's perspective. *Learning, Culture and Social Interaction*, 10, 50-59.
18. Paananen, M., Lipponen, L., & Kumpulainen, K. (2015). Hybridisation or ousterisation? The case of local accountability policy in Finnish early childhood education. *European Educational Research Journal*, 14(5), 395-417.
19. Niemi, R., Kumpulainen, K., & Lipponen, L. (2015). Pupils as active participants: Diamond ranking as a tool to investigate pupils' experiences of classroom practices. *European Educational Research Journal*, 14(2), 138-150.
20. Paananen, M., Kumpulainen, K., & Lipponen, L. (2015). Quality drift within the narrative of investment in early childhood education. *European Early Childhood Education Research Journal*, 23(5), 395-417.
21. Niemi, R., Kumpulainen, K., & Lipponen, L. (2014). Pupils' documentation enlightening teachers' practical theory and pedagogical actions. *Educational Action Research*. DOI:10.1080/09650792.2014.942334

22. Sairanen, H. & Kumpulainen, K. (2014). A visual narrative inquiry into children's sense of agency in preschool and first grade. *International Journal of Educational Psychology*, 3(2), 143-176.
23. Kumpulainen, K., Karttunen, M., Juurola, L., & Mikkola, A. (2014). Towards children's creative museum engagement and collaborative sense-making. *Digital Creativity* 25(2), 233-246.
24. Kumpulainen, K. & Sefton-Green, J. (2014). What is connected learning and how to research it? *International Journal of Learning and Media*, 4(2), 7-18.
25. Kumpulainen, K. & Mikkola, A. (2014). Boundary crossing of discourses in chat interaction during creative collaborative writing. *Learning, Culture and Social Interaction*. DOI: <http://dx.doi.org/10.1016/j.lcsi.2013.12.002>
26. Saadatmand, M. & Kumpulainen, K. (2014). Participants' perceptions of learning and networking in connectivist massive open online courses. *Journal of Online Learning and Teaching* 10(1), 16-30.
27. Niemi, R., Kumpulainen, K., Lipponen, L., & Hilppö, J. (2013). Pupils' perspectives on the lived pedagogy of the classroom. *Education* 3-13. DOI: 10.1080/03004279.2013.859716
28. Kumpulainen, K. (2013). The legacy of productive disciplinary engagement. *International Journal of Educational Research*, 64, 215-220.
29. Kumpulainen, K., Lipponen, L., Hilppö, J., & Mikkola, A. (2013). Building on the positive in children's lives: A co-participatory study on the social construction of children's sense of agency. *Early Child Development and Care*. DOI:10.1080/03004430.2013.778253
30. Kumpulainen, K., Mikkola, A., & Jaatinen, A-M. (2013). The choronotopes of technology-mediated creative learning practices in an elementary school community. *Learning, Media and Technology*. DOI: 10.1080/17439884.2012.752383
31. Saadatmand, M, & Kumpulainen, K. (2013). Content Aggregation and Knowledge Sharing in a Personal Learning Environment: Serendipity in Open Online Networks. *International Journal of Emerging Technologies in Learning* 8, Special Issue: ICL2012, 70-78.
32. Córdova, R. A., Kumpulainen, K. & Hudson, J. (2012). Nurturing creativity and professional learning for 21st century education: ResponsiveDesign and the Cultural Landscapes Collaboratory. *LEARNing Landscapes* 6(1), 155-178.
33. Kaartinen, S. & Kumpulainen, K. (2012). The emergence of mathematizing as a culture of participation in the early childhood classroom. *European Early Childhood Education Research Journal* 20(4), 263-281.
34. Lipponen, L. & Kumpulainen, K. (2011). Acting as accountable authors: Creating interactional spaces for agency work in teacher education. *Teaching and Teacher Education*, 27(5), 812-819.
35. Kumpulainen, K., & Renshaw, P. (2007). Cultures of Learning. *International Journal of Educational Research*, 46(3-4), 109-115.
36. Kovalainen, M. & Kumpulainen, K. (2007). The social construction of participation in an elementary classroom community. *International Journal of Educational Research*, 46(3-4), 141-158.
37. Kovalainen, M. & Kumpulainen, K. (2005). The discursive practice of participation in an elementary classroom community. *Instructional Science*, 33, 213-250.
38. Kumpulainen, K., Vasama, S., & Kangassalo, M. (2003). The intertextuality of children's explanations in a technology-enriched early years science classroom. *International Journal of Educational Research*, 39, 793-805.
39. Kumpulainen, K., van der Aalsvoort, D., & Kronqvist, E-L. (2003). Multiple lenses to peer collaboration: Explorations on children's thinking within a situative perspective. *Educational and Child Psychology*, 20(2), 80-99.
40. Kumpulainen, K. & Kaartinen, S. (2003). The interpersonal dynamics of collaborative reasoning in peer interactive dyads. *The Journal of Experimental Education*, 71(4), 333-370.
41. Kumpulainen, K. (2002). Yhteistoiminnallinen oppiminen vertaisryhmässä: Tutkimuskatsaus. [Collaborative learning in peer groups: Review of research]. *Kasvatus*, 3, 252-265.
42. Kaartinen, S., & Kumpulainen, K. (2002). Collaborative inquiry and the construction of explanations in the learning of science. *Learning and Instruction*, 12(2), 189-212.
43. Kumpulainen, K., Salovaara, H., & Mutanen, M. (2001). Sociocognitive processes and constructive activity in handling and processing multimedia-based science material in a small group learning task. *Instructional Science* 29, 481-515.
44. Kovalainen, M., Kumpulainen, K., & Vasama, S. (2001). Orchestrating classroom interaction in a community of inquiry. *Journal of Classroom Interaction*, 36(2), 17-28.
45. Kaartinen, S. & Kumpulainen, K. (2001). Negotiating meaning in science classroom communities. *Journal of Classroom Interaction*, 36(2), 4-16.
46. Kumpulainen, K. & van der Aalsvoort, G. (2001). Negotiating meaning in a community

of learners. Discussion. *Journal of Classroom Interaction*, 36(2), 74-76.

47. Kumpulainen, K. & van der Aalsvoort, G. (2001). Negotiating meaning in a community of learners. Introduction to a special theme issue. *Journal of Classroom Interaction*, 36(2), 1-3.
48. Kumpulainen, K. & Kaartinen, S. (2000). Situational mechanisms of peer group interaction in collaborative meaning-making. *European Journal of Psychology of Education*, XV(4), 431-454.
49. Kumpulainen, K. & Mutanen, M. (1999). The situated dynamics of peer group interaction: An introduction to an analytic framework. *Learning and Instruction*, 9, 449- 474.
50. Kumpulainen, K. & Mutanen, M. (1999). Interaktiivitutkimus sosiokulttuurallisen ja konstruktivistisen oppimismäkemyksen viitekehityksessä. [Social interaction research in the framework of sociocultural and constructivist perspectives]. *Kasvatus*, 1, 5-17.
51. Kumpulainen, K. & Mutanen, M. (1998). Collaborative practice of science construction in a computer-based multimedia environment. *Computers and Education*, 30, 75-85.
52. Kumpulainen, K. (1996). The nature of peer interaction in the social context created by the use of word processors. *Learning and Instruction*, 6, 243-261.
53. Kumpulainen, K. (1994). Collaborative writing and children's talk: A cross-cultural study. *Computers and Composition*, 11, 263-273.
54. Kumpulainen, K. (1994). Children's talk during collaborative writing at the computer. *Reading*, 28, 6-9.

### A3 Contribution to book/other compilations

1. Kumpulainen, K., Mikkola, A., & Rajala, A. (in press). Dissolving the digital divide. Creating coherence in young people's social ecologies of learning and identity building. In *Springer International Handbooks of Education. Handbook of Information Technology in Primary and Secondary Education*. Amsterdam: Springer.
2. Lipponen, L., Kumpulainen, K., & Paananen, M. (2018). Children's perspective to curriculum work: Meaningful moments in Finnish early childhood education. In M. Fleer and B. van Oers (Eds.), *International Handbook on Early Childhood Education* (pp. 1265-1277). Amsterdam: Springer.
3. Sintonen, S. & Kumpulainen, K. (2017). Monilukutaito moninaisuutena, toimintana ja osallisuutena. Kirjassa *Mitä tarkoittaa? Mediataide monilukutaidon lähteenä*. Helsinki: AV-arkki.

1. Rajala, A. & Kumpulainen, K. (2017). Researching teachers' agentic orientations to educational change in Finnish schools. In M. Coller & S. Paloniemi (Eds.), *Agency at work: An agentic perspective on professional learning and development* (pp. 311-329). Amsterdam: Springer.
2. Marsh, J., Kumpulainen, K., Nisha, B., Velicu, A., Blum-Ross, A., Hyatt, D., Jónsdóttir, S.R., Levy, R., Little, S., Marusteru, G., Ólafsdóttir, M.E., Sandvik, K., Scott, F., Thestrup, K., Arnseth, H.C., Dýrfjörð, K., Jornet, A., Kjartansdóttir, S.H., Pahl, K., Pétursdóttir, S. and Thorsteinsson, G. (2017). *Makerspaces in the early years: A literature review*. University of Sheffield: Makey Project.
3. Kumpulainen, K. & Hurme, T-R. (2016). Supporting hospitalized children's agency through digital technologies and media. In H. Niemi & J. Jia (Eds.), *New ways to teach and learn in China and Finland: Crossing boundaries with technology* (pp. 173-193). Frankfurt am Main: Peter Lang.
4. Kumpulainen, K. & Mikkola, A. (2016). Toward Hybrid Learning: Education and Learning in the Digital Age. In E. Elstad (Ed.), *Educational Technology and Polycontextual Bridging* (pp. 15-37). Rotterdam: Sense Publishers.
5. Mikkola, A. & Kumpulainen, K. (2016). Learning as a hybrid: Educational engagement in the digital age. In O. Erstad, K. Kumpulainen, Å. Mäkitalo, K., P. Pruuilmann-Vengerfeldt & T. Jóhannsdóttir (Eds.), *Learning across contexts in the knowledge society* (pp.163-177). Amsterdam: Sense Publishers.
6. Niemi, R., Kumpulainen, K., & Lipponen, L. (2016). Pupils' Participation in the Finnish Classroom: Turning the UN Convention on the Rights of the Child into pedagogical practices. In J. Gillett-Swan, & V. Coppock (Eds.), *Children's Rights, Educational Research and the UNCRC* (pp. 81-100). Oxford: Symposium Books.
7. Erstad, O., Kumpulainen, K., Mäkitalo, Å., Schrøder, K., Pruuilmann-Vengerfeldt, P., & Jóhannsdóttir, T. (2016). Tracing Learning Experiences within and across Contexts: A Nordic Approach. In O. Erstad, K. Kumpulainen, Å. Mäkitalo, K., P. Pruuilmann-Vengerfeldt, & T. Jóhannsdóttir (Eds.), *Learning across contexts in the knowledge society* (pp. 1-14). Amsterdam: Sense Publishers.
1. Rajala, A., Kumpulainen, K., Hilppö, J., Paananen, M., & Lipponen, L. (2016). Connecting learning across school and out-of-school contexts: A review of pedagogical approaches. In O. Erstad, K. Kumpulainen, Å. Mäkitalo, K., P. Pruuilmann-Vengerfeldt & T. Jóhannsdóttir (Eds.), *Learning across contexts in the knowledge society* (pp. 15-36). Amsterdam: Sense Publishers.



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## B NON-PEER-REVIEWED SCIENTIFIC WRITINGS

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## C SCIENTIFIC BOOKS (MONOGRAPHS)

### C1 Published scientific monograph

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## D PUBLICATIONS DIRECTED AT SOCIETIES OF EXPERTISE

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### D3 Article in professional conference proceedings

1. Rajala, A., Kumpulainen, K., Lipponen, L., Hilppö, J., & Rainio, A. (2014, September). *Students' agency and elaboration of personal sense in dialogic classroom interactions*.

- International Conference of Socio-Cultural and Activity Theory (ISCAR) triannual conference. Sydney, Australia, 27 August-31 September, 2014.
2. Rajala, A., Kumpulainen, K., Lipponen, L., & Hilppö, J. (2013, August). *The manifestation of relational agency in social interactions in extended spaces of learning*. A paper presented in the symposium Understanding and Promoting the Agency of Children in Classrooms and in Everyday Life at European Association for Research on Learning and Instruction (EARLI) biennial conference. Munich, Germany, 27–31 August, 2013.
  3. Rajala, A., Kumpulainen, K., Lipponen, L., Hilppö, J. (2013, September). *Ontological engagement and students' agency in expansive educational dialogues*. Presentation at Nordic NordLAC seminar. Tartu, Estonia, 23.09.2013-24.09.2013.
  4. Rajala, A., Lipponen, L., Kumpulainen, K., Hilppö, J., & Krokfors, L. (2013, April). *Making sense of a flying object: Students in a bird watching field trip*. Presentation at Nordic NordLAC seminar. Gothenburg, Sweden, 8–9 April, 2013
  5. Saadatmand, M. & Kumpulainen, K. (2012). Emerging Technologies and New Learning Ecologies: Learners' Perceptions of Learning in Open and Networked Environments. In Hodgson V, Jones C, de Laat M, McConnell D, Ryberg T & Sloep P (Eds.), *Proceedings of the 8th International Conference on Networked Learning* (pp. 266-275). Maastricht: Maastricht School of Management. ISBN: 978-1-86220-283-2.
  6. Rajala, A., Kumpulainen, K., Lipponen, L., & Hilppö, J. (2012, January). *Students' positioning in collaborative inquiry: a critical perspective*. Presentation at Nordic NordLAC seminar. Oslo, Norway, 26–27 January, 2012.
  7. Saadatmand, M. & Kumpulainen, K. (2012). *Content Aggregation and Knowledge Sharing in a Personal Learning Environment: Serendipitous and Emergent Learning in Open Online Networks*. In the proceedings of the 15th International Conference on Interactive Collaborative Learning. ICL Clearing House. Kassel: Kassel University Press. ISBN: 978-1-4577-1746-8
  8. Rajala, A., Kumpulainen, K., Lipponen, L., & Hilppö, J. (2011, September). *Students' positioning in collaborative inquiry learning*. Presentation at International Society for Cultural and Activity Research (ISCAR) Congress. Rome, Italy, 5–10 September, 2011.
  9. Hilppö, J., Rajala, A., Kumpulainen, K., & Lipponen, L. (2011, September). *Fostering transformative actions: Weak affordances as possibilities to support agency in extended learning spaces*. ISCAR Conference, September 7, Rome, Italy.
  10. Hilppö, J., Kumpulainen, K., & Lipponen, L. (2011, August). *AGENTS – children as video researchers*. A paper presented in a symposium Children's agency in research – across settings and as co-investigators. Organizers; Kristiina Kumpulainen and Ola Erstad. EARLI biennial conference, August 31, Exeter, UK.
  11. Pöyry-Lassila, P., Haukola, T., Smeds, R., & Kumpulainen, K., (2011, August). *The role of peer facilitation in 3D learning environment*. EARLI biennial conference, August 31, Exeter, UK.
  12. Kumpulainen, K. & Lipponen, L. (2010, October). *Crossing boundaries: Engaging in dialogic inquiry across formal and informal settings*. Abstract at the 6th International Conference on Dialogical Self, organized by the International Society for Dialogical Science in cooperation with the Institute for Cognitive Analytic Therapy, 30.9.–3.10, 2010, Athens, 61. <http://www.dialogicalscience.cognitiveanalytic.gr/>
  13. Rajala, A., Hilppö, J., Krokfors, L., Tissari, V., Lipponen, L. & Kumpulainen, K. (2010, June). Relational agency of pupils in teacher-organized and self-organized learning projects. Presentation at the Future Visions for Learning and Teaching Conference. Joint Conference of SIG Higher Education and SIG Teaching and Teacher Education. 13–16 June, 2010. Kirkkonummi, Finland.
  14. Rajala, A., Tissari, V., Kumpulainen, K., Krokfors, L., Hilppö, J. & Lipponen, L. (2010, September). *Dynamic Construction of Intermental Development Zone in Peer Interaction*. Abstract at the JURE data session presentation of the Moving through Cultures of Learning Meeting of SIG10 (Social Interaction in Learning and Instruction), and SIG 10 (Learning and Teaching in Culturally Diverse Settings), Utrecht, Netherlands, 2–3 September, 2010. Utrecht: University of Applied Sciences. (<http://sig10and21meeting.risbo.org/>)
  15. Rajala, A., Hilppö, J., Krokfors, L., Tissari, V., Lipponen, L. & Kumpulainen, K. (2010, June). Relational agency of pupils in teacher-organized and self-organized learning projects. Abstract at the Future Visions for Learning and Teaching Conference. Joint Conference of SIG Higher Education and SIG Teaching and Teacher Education, Kirkkonummi, Finland, 13–16 June, 2010. Helsinki: University of Helsinki, 105.
  16. Kumpulainen, K., Lipponen, L., Krokfors, L., Rajala, A., Hilppö, J. & Tissari, V. (2009, June). *Extending Spaces of Learning: Creating a Dialogic Learning Culture to Promote Student Agency*. Abstract at the Redesigning Pedagogy

- International Conference: Designing New Learning Contexts for a Globalising World, organized by the National Institute of Education, 1–3, June 2009, Singapore. <http://conference.nie.edu.sg/2009/index.php>
17. Hilppö, J., Rajala, A., Lipponen, L., Krokfors, L., Tissari, V. & Kumpulainen, K. (2009, June). *Children's agency in formal and informal learning environments*. Abstract at the Redesigning Pedagogy International Conference: Designing New Learning Contexts for a Globalising World, organized by the National Institute of Education, 1–3, June 2009, Singapore. <http://conference.nie.edu.sg/2009/index.php>
  18. Kumpulainen, K., Järvelä, S., Lipponen, L., & Hilppö, J. (2010, June). *Towards children's efficacious agency in formal and informal contexts*. A paper presented at the International conference on childhood studies, June 9-12, Jyväskylä.
  19. Hilppö, J., Kumpulainen, K., & Lipponen, L., (2010, June). *Children as video-researchers*. A paper presented at the International conference on childhood studies, June 9-12, Jyväskylä.
  20. Kumpulainen, K. (2009, April). *VISCI-Virtual Intelligent Space for Collaborative Innovation. Introduction to a research project*. A paper presented at the Annual Conference of European Teacher Education Network. Izmir, Turkey. ETEN-conference proceedings.
  21. Kumpulainen, K., Lipponen, L., Krokfors, L., Tissari, V., Hilppö, J. & Kannianen, M.-R. (2009, August). *Learner Agency and Dialogic Inquiry across Formal and Informal Contexts*. Abstract at the 13th Biennial EARLI Conference "Fostering communities of learning", 25.–29.8.2009, Amsterdam, the Netherlands. [http://www.earli2009.org/nqcontent.cfm?a\\_id=1](http://www.earli2009.org/nqcontent.cfm?a_id=1) Digital book of abstracts: <http://www.usecue.com/xml/start.html>
  22. Tissari, V., Kumpulainen, K., Lipponen, L., Krokfors, L., Hilppö, J. & Rajala, A. (2009, July). *Multi-professional Collaboration at the Intersection of School and Museum Education: Innovative Practices and Challenges of Collaboration*. Abstract at the 14th Biennial Conference of International Study Association on Teachers and Teaching (ISATT): Navigating in Educational Contexts: Identities and Cultures in Dialogue, organized by the University of Lapland, 1–4 July, 2009, Rovaniemi. <http://www.ulapland.fi/isatt2009>
  23. Tissari, V., Kumpulainen, K., Lipponen, L., Rajala, A., Hilppö, J. & Krokfors, L. (2009, June). *Redesigning Meaningful Pedagogies at the Intersection of School and Museum Education*. Abstract at the Redesigning Pedagogy International Conference: Designing New Learning Contexts for a Globalising World, organized by the National Institute of Education, 1–3 June, 2009, Singapore. <http://conference.nie.edu.sg/2009/index.php>
  24. Lipponen, L., Kumpulainen, K., Krokfors, L., Tissari, V., Hilppö, J. & Kannianen, M.-R. (2009, April). *Making transitions: Engaging in Dialogic Inquiry across Formal and Informal Settings*. AERA Annual Meeting: "Disciplined Inquiry: Education Research in the Circle of Knowledge". April 13–17, 2009. San Diego, California, USA. <http://convention2.allacademic.com/one/aera/aera09/index.php?>
  25. Hilppö, J., Kumpulainen, K., Lipponen, L., Krokfors, L., Tissari, V., Rajala, A. & Kannianen, M.-R. (2009, April). *Teknologia oppimisen silloittajana*. Interaktiivinen Teknologia Koulutuksessa ITK'09 -konferenssi 23.–24.4.2009, Aulanko, Hämeenlinna. <http://www.hameenkesayliopisto.fi/itk/documents/itk09-julkaisu-netti.pdf>
  26. Rajala, A., Hilppö, J., Tissari, V., Kumpulainen, K., Krokfors, L., Kannianen, M.-R. & Lipponen, L. (2008, November). *Tutkiva keskustelu ja osallistuminen pienryhmässä. Teoksessa: Abstraktit. Koulutuspolitiikan käytännöt kansallisessa ja ylikansallisessa kehyksessä*. Kasvatustieteen päivät 27.–28.11.2008 Turussa. Helsinki: Suomen kasvatustieteellinen seura, 142–143. (Saatavissa myös verkossa: <http://congress.utu.fi/ktpaivat/Abstraktikirja.pdf>)
  27. Tissari, V., Kannianen, M.-R., Hilppö, J., Lipponen, L., Krokfors, L. & Kumpulainen, K. (2008, November). *Erilaisten oppimisympäristöjen integroinnin haasteita ja toimivia käytäntöjä. Teoksessa: Abstraktit. Koulutuspolitiikan käytännöt kansallisessa ja ylikansallisessa kehyksessä*. Kasvatustieteen päivät 27.–28.11.2008 Turussa. Helsinki: Suomen kasvatustieteellinen seura, 236–237. (Saatavissa myös verkossa: <http://congress.utu.fi/ktpaivat/Abstraktikirja.pdf>)
  28. Rajala, A., Hilppö, J., Tissari, V., Kumpulainen, K., Krokfors, L., Kannianen, M.-R. & Lipponen, L. (2008, November). *Tutkiva keskustelu ja osallistuminen pienryhmässä. Teoksessa: Abstraktit. Koulutuspolitiikan käytännöt kansallisessa ja ylikansallisessa kehyksessä*. Kasvatustieteen päivät 27.–28.11.2008 Turussa. Helsinki: Suomen kasvatustieteellinen seura, 142–143. (Saatavissa myös verkossa: <http://congress.utu.fi/ktpaivat/Abstraktikirja.pdf>)
  29. Hilppö, J., Lipponen, L., Krokfors, L., Tissari, V., Kannianen, M.-R. & Kumpulainen, K. (2008, November). *Oppiminen erilaisten oppimisympäristöjen rajapinnoilla: kirjallisuuskatsaus*. Teoksessa: Abstraktit. Koulutuspolitiikan käytännöt kansallisessa ja ylikansallisessa kehyksessä. Kasvatustieteen päivät

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30. Kannianen, M.-R., Tissari, V., Hilppö, J., Kumpulainen, K., Lipponen & L., Krokfors, L. (2008, November). *Oppijoiden toimijuuden tukeminen erilaisissa oppimisympäristöissä*. Teoksessa: Abstraktit. Koulutuspolitiikan käytännöt kansallisessa ja ylikansallisessa kehyksessä. Kasvatustieteen päivät 27.–28.11.2008 Turussa. Helsinki: Suomen kasvatustieteellinen seura, 124–125. (Saatavissa myös verkossa: <http://congress.utu.fi/ktpaivat/Abstraktikirja.pdf>)
  31. Kumpulainen, K., Toom, A., & Saalasti, M. (2008, September). *Struggling with complex professional ideas: Digital video telling cases as potential mediational spaces for reflection and identity work in inquiry-oriented teacher education*. A paper presented at the International Society for Sociocultural and Activity Theory Research (ISCAR) Conference, San Diego, USA. <http://iscar2008.com/>
  32. Tissari, V., Kumpulainen, K., Lipponen, L. & Krokfors, L. (2008, September). *Integrating Formal and Non-Formal Learning Environments: Socio-Cultural Framework and Innovations*. Abstract. The Advances in Production Management Systems (APMS) Conference, 14–18 September, 2008, Espoo, Finland. <http://www.simlab.tkk.fi/APMS2008/>
  33. Kumpulainen, K., Lipponen, L., Krokfors, L. & Tissari, V. (2008, September). *Making transitions: learning and education at the intersection of formal and informal contexts*. Abstract of the paper presentation at the International Society for Cultural and Activity Research Conference (ISCAR 2008): Ecologies of Diversities. The developmental and historical interarticulation of human meditational forms. September 8–13, 2008, San Diego, USA. <http://iscar2008.org/>
  34. Hilppö, J., Tissari, V., Lipponen, L., Krokfors, L. & Kumpulainen, K. (2008, August). *Catching the fleeting moments of learning: the audiomaterial of videoresearch*. Abstract at the Video Research Seminar: Insights and Challenges in video research, CICERO Learning, University of Helsinki. <http://blogs.helsinki.fi/videolab/abstracts/catching-the-fleeting-moments-of-learning/>
  35. Tissari V., Kumpulainen, K., Krokfors, L., Hilppö, J., & Lipponen, L. (2008, June) *Oppiminen ja opetus formaalien, non-formaalien ja informaalioppimisympäristöjen rajapinnoilla*. Abstract. Tiedepäivät 4.–5.6.2008. Helsingin yliopisto, Käyttäytymistieteellinen tiedekunta. [http://www.helsinki.fi/behav/tiedepaiva/...](http://www.helsinki.fi/behav/tiedepaiva/)
  36. Tissari, V., Krokfors, L., Kumpulainen, K., Lipponen, L. & Tornberg, L. (2008, June). *Creating Meaningful Pedagogies at the Intersection of School and Museum Education: Results from the Collaboration Process*. Abstract of the paper presentation at the International Conference on the Inclusive Museum, 8–11 June, 2008, Leiden, the Netherlands. <http://z08.cgipublisher.com/proposals/176/index.html>
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  38. Kumpulainen, K., Toom, A., & Saalasti, M. (2008, June). *Student teachers' discursive voices of the meaning of digital case material for their professional learning*. A poster presented at the International Conference of the Learning Sciences, Amsterdam.
  39. Kumpulainen, K., Toom, A., & Saalasti, M. (2008, May). *Digital video telling cases as potential texts to be read for reflection and identity work in teacher education*. A paper presented at the EARLI SIG-meeting, Gothenburg.
  40. Toom, A., Saalasti, M., & Kumpulainen, K. (2008, March). *The Discoursal Construction of Student Teachers' Professional Identity by Using Video Cases and Essay Writing*. A paper presented at the Annual Conference of the American Educational Research Association, New York.
  41. Saalasti, M., Toom, A., & Kumpulainen, K. (2007, September). *Exploring the discursive construction of student teachers' professional identity*. The third Finnish conference on cultural and activity research (FISCAR '07), Helsinki, Finland. [http://www.helsinki.fi/fiscar07/fiscar07\\_kirja\\_painoon.pdf](http://www.helsinki.fi/fiscar07/fiscar07_kirja_painoon.pdf)
  42. Cordova, R., Kumpulainen, K., & Hagan, M. (2005, December). *When and where is a school in the 21st century? An introduction to a cultural landscapes living as learning research collaborative*. A paper accepted to be presented at the Interlearn conference, Helsinki, Finland.
  43. Kumpulainen, K. & Cordova, R. (2005, October). *Developing professionally – professionals developing. Interacting with and learning from video case observations*. A paper presented at the Stanford – Finnish research colloquium on learning, Stanford, USA.
  44. Kumpulainen, K. (2005, August). *When effective becomes meaningful and when learning becomes participation - Conceptual shifts in research on social interaction in learning and instruction*. A keynote paper presented at the biennial Conference of the European Association



- tion for Research on Learning and Instruction (EARLI), Nicosia, Cyprus.
45. Kovainen, M. & Kumpulainen, K. (2005, August). *The discursive practice of participation in an elementary classroom community*. A paper presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Nicosia, Cyprus.
  46. Kumpulainen, K., Vasama, S., & Kangassalo, M. (2005, August). *Studying the (con)textuality of explanations in the learning of science*. A paper presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Nicosia, Cyprus.
  47. Kumpulainen, K. (2005, April). *Researching the complexity of classroom interaction*. A paper presented at the Annual Conference of the American Educational Research Association (AERA), Montreal.
  48. Kumpulainen, K., Vasama, S., & Kangassalo, M. (2005, April). *The intertextuality of children's explanations in a technology-enriched early years science classroom*. A paper presented at the Annual Conference of the American Educational Research Association (AERA), Montreal.
  49. Kumpulainen, K., Vasama, S., & Kangassalo, M. (2004, April). *The sociocultural trajectories of children's explanations in a technology-enriched early years science classroom*. A paper presented at the Annual Conference of the American Educational Research Association (AERA), San Diego.
  50. Kovalainen, M., & Kumpulainen, K. (2004, April). *The discursive practice of participation in an elementary classroom community of inquiry*. A poster presented at the Annual Conference of the American Educational Research Association (AERA), San Diego.
  51. Kumpulainen, K. & Brown, M. (2004, February). *Learning to reflect- reflecting to learn: Using videocases to help pre-service teachers develop their ability to observe, reflect and learn from classroom practice*. A paper presented at the annual conference of the European Teacher Education Network (ETEN), Viana, Portugal.
  52. Kangassalo, M., Kumpulainen, K., & Vasama, S. (2003, December). *Learning early years science within the mediated context of modern cultural artefacts and social modes of working*. A poster presented at the Interlearn Conference, Helsinki, Finland.
  53. Puroila, M., & Kumpulainen, K. (2003, December). *The analysis of discursive voices: Methodological and empirical introductions*. A poster presented at the Interlearn Conference, Helsinki, Finland.
  54. Kumpulainen, K. & Kaartinen, S. (2003, December). *Professional identity building at the intersection of new technologies, learning cultures and societal demands*. A poster presented at the Interlearn Conference, Helsinki, Finland.
  55. Kumpulainen, K. & Kaartinen, S. (2003, December). *Negotiating a shared understanding in collaborative problem solving dyads*. A paper presented at the Interlearn Conference, Helsinki, Finland.
  56. Kangassalo, M., Kumpulainen, K., & Vasama, S. (2003, December). *Conceptual thinking and learning in a technology-enriched early years science classroom: Introduction to the PICCO research project*. A paper presented at the Interlearn Conference, Helsinki, Finland.
  57. Van der Aalsvoort, G., Kumpulainen, K., & Lidz, C. (2003, December). *Discussing students' learning potential: A pedagogical tool for teacher learning*. A paper presented at the Interlearn Conference, Helsinki, Finland.
  58. Kovalainen, M. & Kumpulainen, K. (2003, December). *The discursive practice of participation in an elementary classroom community*. A paper presented at the Activity Theory and Sociocultural Research seminar, Kauniainen, Finland. (in Finnish)
  59. Kumpulainen, K., Vasama, S., Kangassalo, M. (2003, December). *The intertextuality of children's explanations in a technology-enriched early years science classroom*. A paper presented at the Activity Theory and Sociocultural Research seminar, Kauniainen, Finland. (in Finnish)
  60. Kumpulainen, K., Vasama, S., Kovalainen, M. (2003, November). *Learning and instruction as sociocultural practice: Analytical insights*. A paper presented at the Annual Conference of the Finnish Association for Educational Research, Helsinki, Finland. (in Finnish)
  61. Kumpulainen, K. & Kovalainen, M. (2003, August). *The practice of teaching and learning as dialogic inquiry*. A paper accepted to be presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
  62. Kangassalo, M., Kumpulainen, K., & Vasama, S. (2003, August). *Learning early years science within the mediated context of modern cultural artefacts and social modes of working*. A paper accepted to be presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
  63. Kumpulainen, K. & Kaartinen, S. (2003, August). *Professional identity building at the intersection of new technologies, learning cultures and societal demands*. A poster accepted to be presented at the biennial

- Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
64. Kaartinen, S. & Kumpulainen, K. (2003, August). *The epistemological character of questioning in three science classroom communities*. A paper accepted to be presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
  65. Kovalainen, M. & Kumpulainen, K. (2003, August). *Participation structures and processes in a classroom community of inquiry*. A paper presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
  66. Kumpulainen, K., Vasama, S., & Kangassalo, M. (2003, August). *Conceptual thinking as mediated action: A sociocultural analysis of children's explanations in an early years classroom*. A paper accepted to be presented at the biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Padova, Italy.
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  68. Kangassalo, M., & Kumpulainen, K. (2003, May). *Methodological tools for describing children's knowledge construction process in multimedia environment*. A paper presented at the 13th Conference on Information Modelling and Knowledge Bases. Japan.
  69. Kaartinen, S. & Kumpulainen, K. (2003, April). *Micro-level investigations into socio-culturally grounded science pedagogy: Just stories or critical mirrors for educational practice?* A paper presented at the Annual Conference of the American Educational Research Association, Chicago, USA.
  70. Kumpulainen, K., Brown, M., den Hertog, J., Dolk, M., Kaartinen, S., te Selle, A., & J. Vedder. (2003, February). *MILE International: European Perspectives of Primary Mathematics Education in the Digital Age*. A paper presented at the annual conference of the European Teacher Education Network (ETEN), Groningen, The Netherlands.
  71. Kumpulainen, K. & Kumpulainen, K. (2003, February). *Web-site story – On the road to build the virtual academic village of ETEN*. A paper presented at the annual conference of the European Teacher Education Network (ETEN), Groningen, The Netherlands.
  72. Kumpulainen, K., & Kaartinen, S. (2002, June). *The situated processes of participation in dyadic problem solving: Focus on students' social interaction, cognitive strategies and mathematical language*. A paper presented at the Fifth Congress of the International Society for Cultural Research and Activity Theory (ISCRAT), Amsterdam, The Netherlands.
  73. Kumpulainen, K. (2002, June). *Tracing intersubjectivity in peer problem solving*. A paper presented at the Fifth Congress of the International Society for Cultural Research and Activity Theory (ISCRAT), Amsterdam, The Netherlands.
  74. Kangassalo, M., & Kumpulainen, K. (2002, June). *Analysing conceptual learning in the spontaneous activity of young learners*. A paper presented at the 10th International Conference on Thinking. Harrogate, UK.
  75. Kangassalo, M., & Kumpulainen, K. (2002, May). *The Dynamics of Children's Science Learning and Thinking in a Social Context of a Multimedia Environment*. A paper presented at the 12th Conference on Information Modelling and Knowledge Bases. Krippen, Germany.
  76. Kaartinen, S. & Kumpulainen, K. (2002, April). *Discourse processes and explanation-building in collaborative science learning*. A paper presented at the Annual Conference of the American Educational Research Association, New Orleans, USA.
  77. Kovalainen, M. & Kumpulainen, K. (2002, April). *Guiding participation in a classroom community of inquiry*. A poster presented at the Annual Conference of the American Educational Research Association, New Orleans, USA.
  78. Kaartinen, S. & Kumpulainen, K. (2002, April). *Learning to participate and participating to learn in science classrooms*. A poster presented at the Annual Conference of the American Educational Research Association, New Orleans, USA.
  79. Kangassalo, M. & Kumpulainen, K. (2002, February). *Conceptual learning in the spontaneous activity of young learners within a tool rich learning context: Introduction to a research project*. A paper presented at the annual conference of the European Teacher Education Network (ETEN), London, UK.
  80. Kaartinen, S. & Kumpulainen, K. (2001, September). *Analysing the construction of explanations in social interaction*. A paper presented at the European Conference for Research on Learning and Instruction, Fribourg, Switzerland.
  81. Kumpulainen, K. & Kaartinen, S. (2001, August). *Collaborative reasoning in peer interactive dyads working on a geometrical design task*. A paper presented at the European Conference for Research on Learning and Instruction, Fribourg, Switzerland.

82. Kaartinen, S. & Kumpulainen, K. (2001, August). *Participating in social science learning: Cases across age levels*. A paper presented at the European Conference for Research on Learning and Instruction, Fribourg, Switzerland.
83. Kovalainen, M., Vasama, S., & Kumpulainen, K. (2001, August). *Orchestrating classroom interaction in a community of inquiry: Teacher's situated strategies*. A paper presented at the European Conference for Research on Learning and Instruction, Fribourg, Switzerland.
84. Kumpulainen, K. & Kaartinen, S. (2001, April). *Dialogic meaning-making in peer interactive groups: A case of learning geometry*. A paper presented at the Annual Conference of the American Educational Research Association (AERA), Seattle, USA.
85. Kumpulainen, K. & Kaartinen, S. (2000, September). *The power of collaborative learning in enhancing students' task-processing: Are two minds better than one?* A paper presented at the European Conference on Educational Research (ECER), Edinburgh, Scotland.
86. Kaartinen, S. & Kumpulainen, K. (2000, June). *Constructing communities of practice: Cases from science classrooms*. A paper presented at the EARLI-SIG Social Interaction in Learning and Instruction Conference, Oulu, Finland.
87. Kaartinen, S. & Kumpulainen, K. (2000, April). *Collaborative meaning-making in learning chemistry: Conditions and processes for joint understanding*. A poster presented at the Annual Conference of the American Educational Research Association (AERA), New Orleans, USA.
88. Kumpulainen, K. & Kaartinen, S. (2000, April). *The practice of legitimate participation in peer-mediated collaborative learning*. A paper accepted for presentation at the Annual Conference of the American Educational Research Association (AERA), New Orleans, USA.
89. Kumpulainen, K. & Wortham, S. (1999, August). *Cognitive and sociocultural analyses of social interaction in learning and instruction*. A paper presented at the Annual Conference of the European Association for Research on Learning and Instruction (EARLI), Göteborg, Sweden.
90. Kumpulainen, K. & Kaartinen, S. (1999, August). *Thinking geometry - The interplay between everyday and spatial explanations in peer problem solving*. A paper presented at the symposium "Everyday and scientific thinking in the classroom: Constructivist and sociocultural analyses" organised by K. Kumpulainen and P. Renshaw at the Annual Conference of the European Association for Research on Learning and Instruction (EARLI), Göteborg, Sweden.
91. Kumpulainen, K. & Kaartinen, S. (1999, August). *Mapping the dynamics of social interaction in peer problem solving and expert tutoring*. A paper presented at the invited symposium "Social interaction in the classroom: New perspectives in studying quality of learning and instruction" organised by G. M. Van Aalsvoort and J. Bus at the Annual Conference of the European Association for Research on Learning and Instruction (EARLI), Göteborg, Sweden.
92. Kumpulainen, K. & Wortham, S. (1999, April). *Theories of learning and theories of discourse: Complementary or contradictory?* A paper presented at the American Educational Research Association (AERA) Conference, Montreal, Canada.
93. Kumpulainen, K., Kaartinen, S., & Mutanen, M. (1999, April). *The dynamics of situated cognition in a collaborative design task*. A paper presented at the American Educational Research Association (AERA) Conference, Montreal, Canada.
94. Kaartinen, S. & Kumpulainen, K. (1998, November). *Collaborative meaning making as a pedagogical tool to support chemical understanding in real life contexts*. A poster presented at the second European Symposium on Conceptual Change, Madrid, Spain.
95. Kumpulainen, K., Kaartinen, S., & Mutanen, M. (1998, September). *Constructing joint understanding of solids in a collaborative design task*. A Paper presented at the Educational Conference on Educational Research (ECER), Ljubljana, Slovenia.
96. Kumpulainen, K. & Mutanen, M. (1998, May). *Collaborative practice of science construction in a computer-based multimedia environment*. A paper presented at the annual conference of the European Teacher Education Network, Liverpool.
97. Kumpulainen, K. (1998, April). *The evaluation culture of Finnish education - current trends and directions*. A paper presented at the American Educational Research Association (AERA) conference, San Diego, USA.
98. Kumpulainen, K. & Willman, A. (1998, April). *An interpretative analysis of teachers' conceptions of their profession in Finland*. A paper presented the American Educational Research Association (AERA) conference, San Diego, USA.
99. Kumpulainen, K. & Mutanen, M. (1998, April). *Collaborative construction of science in a computer-based multimedia environment*. A paper presented the American Educational Research Association (AERA) conference, San Diego, USA.

100. Kumpulainen, K. & Mutanen, M. (1997, December). *Communication and the construction of knowledge in joint problem solving - a challenge for interaction analysis*. A paper presented at the Communication and creative problem solution symposium. Children and language in the multi-cultural Europe. Kajaani Department of Teacher Education, Kajaani, Finland.
101. Kumpulainen, K. & Mutanen, M. (1997, August). *Talking collaborative activities into being - a multiple layer analysis of peer discourse*. A paper presented at the 7th European Conference for Research on Learning and Instruction (EARLI). Athens, Greece.
102. Kumpulainen, K. & Mutanen, M. (1997, August). *Peer collaboration and interaction in a multimedia context*. A paper presented at the 7th European Conference for Research on Learning and Instruction (EARLI). Athens, Greece.
103. Kumpulainen, K. (1997, August). *Collaborative learning activities - what are they like in reality?* A paper presented at the 7th European Conference for Research on Learning and Instruction (EARLI), as part of the invited symposium (Chair, Jos van der Linden) Social interaction in learning and instruction. Athens, Greece.
104. Kumpulainen, K. & Mutanen, M. (1997, May). *Understanding collaborative learning practices in peer-led small groups: An introduction to a framework*. A poster presented at the symposium "Learning and technology - dimensions to learning processes in different learning environments". University of Oulu, Finland.
105. Mutanen, M. & Kumpulainen, K. (1997, April). *Collaborative interactions in a multimedia environment - A case study of peer discourse, cognitive activity and collaboration*. A paper presented at the Computer Assisted Learning (CAL) conference, University of Exeter, UK.
106. Kumpulainen, K. & Wray, D. (1997, April). *Functional analysis of children's classroom talk: A framework for understanding children's discourse in educational contexts*. A poster presented at the American Educational Research Association Conference (AERA), Chicago, USA.
107. Kumpulainen, K. (1996, September). *The interactive mechanisms of peer interaction during collaborative learning activities*. A paper presented at the European Conference on Educational Research (ECER), University of Seville, Spain.
108. Kumpulainen, K. (1996, September). *The analysis of communicative functions of peer interaction and their sequential development during collaborative learning activities*. A paper presented at the IInd conference for Socio-Cultural Research, Vygotsky-Piaget, Geneva, Switzerland.
109. Kumpulainen, K. & Wray, D. (1995, September). *Analysing interactions during collaborative writing with the computer: an innovative methodology*. A paper presented at the Writing and Computers conference, University of London, UK.
110. Kumpulainen, K. (1995, August). *Functional analysis of pupil talk in cooperative learning situations*. A poster presented at the European Association for Research on Learning and Instruction (EARLI) conference, Nijmegen, the Netherlands.
111. Juuso, H., Kumpulainen, K., Pekkala, E., Siitonen, A. & Veteläinen, M. (1995, June). *Philosophy for children*. A poster presented at the Childhood Education - International Perspectives Conference, Oulu, Finland.
112. Kumpulainen, K. (1995, June). *The function of peer interaction in collaborative writing with the computer*. A poster presented at the Childhood Education - International Perspectives conference, Oulu, Finland.
113. Kumpulainen, K. (1995, June). *The functional analysis of children's classroom talk (FACCT) system*. A poster presented at the Childhood Education - International Perspectives conference, Oulu, Finland.
114. Kumpulainen, K. (1995, April). *Social construction of writing in the computer context*. A paper presented at the American Educational Research Association (AERA) conference, San Francisco, USA.
115. Kumpulainen, K. (1994, April). *Children talking and thinking around computers*. A poster presented at the American Educational Research Association (AERA) conference, New Orleans, USA.
116. Kumpulainen, K. (1993, April). *Word processors creating a social context for learning*. A paper presented at the Computers and Writing conference, Aberystwyth, Wales, UK.

#### D5 Professional handbook or alike

1. Sefton-Green, J., Kumpulainen, K., Lipponen, L., Sintonen, S., Rajala, A., Hilppö, J. (2015). *Manifesto by the Playful Learning Center: Playing with learning*. Helsinki: University of Helsinki. [https://helda.helsinki.fi/bitstream/handle/10138/158664/Manifesto\\_2015\\_PLC.pdf?sequence=1](https://helda.helsinki.fi/bitstream/handle/10138/158664/Manifesto_2015_PLC.pdf?sequence=1)
2. Sintonen, S., Ohls, O., Kumpulainen, P., Lipponen, L. (2014). *Mobile Learning and the Playing Child*. Helsinki: University of Helsinki. <https://helda.helsinki.fi/handle/10138/155512>

## G THESIS

### G1 Master's thesis, diploma work, upper higher vocational diploma

1. Kumpulainen, K. & Isomursu, I. (1989). *Tietokone englannin kielen opetuksen apuna peruskoulun 6. luokalla* [Computer assisting English language learning at the 6<sup>th</sup> grade of elementary education]. Master's thesis. Oulu: University of Oulu.

### G3 Doctoral Thesis

1. Kumpulainen, K. (1994). *The nature of children's oral language interactions during collaborative writing experience at the computer*. Doctoral dissertation. Exeter: University of Exeter, U.K.

## I AUDIOVISUAL MATERIAL, ICT SOFTWARE

### I1 Audiovisual material

1. Sintonen, S., Kumpulainen, K., & Lipponen, L. (2014). Digital Elegancy. [http://www.youtube.com/watch?v=8CTtr\\_GRbKk&list=UUfy-ixY7KHwkorb7M1d-SdA](http://www.youtube.com/watch?v=8CTtr_GRbKk&list=UUfy-ixY7KHwkorb7M1d-SdA)