

Anna Keune

Curriculum Vita

OFFICE ADDRESS

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Languages: German (native), English (excellent)

EDUCATION

Ph.D., Education (Learning Sciences)	Indiana University Bloomington, 2020
M.S., Education (Learning Sciences)	Indiana University Bloomington, 2017
M.A., New Media	Aalto University ARTS, 2010
B.A. (First Class Honours), Media Production	University of Applied Sciences Darmstadt and Cork Institute of Technology, 2007

CURRENT APPOINTMENT

2019-present, **Postdoctoral Researcher**, University of California, Irvine, Department of Informatics, Connected Learning Lab, Creativity Labs, Supervisor: Dr. Kylie Peppler.

PRIOR RESEARCH EXPERIENCE

2013-2019 **Graduate Research Assistant**, Indiana University

- “Re-Crafting Mathematics Education,” National Science Foundation, Principal Investigators: Kylie Peppler and Melissa Gresalfi, 2015-2019.
- “How Narrative Elements Can Shape Girls' Engagement in Museum-Based Engineering Design Tasks,” National Science Foundation, Principal Investigator: Dorothy Bennett, 2018-2019.
- “Data Visualization Literacy: Research and Tools that Advance Public Understanding of Scientific Data,” National Science Foundation, Principal Investigators: Katie Börner, Kylie Peppler, Bryan Kennedy, Stephen Uzzo, and Joe Heimlich, 2018-2019.
- “Digital Media and Learning (DML) Commons,” MacArthur Foundation, Principal Investigators: Mimi Ito and Kylie Peppler, 2015.
- “Maker Ed Open Portfolio Project,” Gordon and Melissa Moore Foundation, Principal Investigator: Kylie Peppler, 2013-2018.

2013 **Visiting Scholar**, University of California at Berkeley

- “Learning Design - Design for Learning,” TEKES Finnish Funding Agency for Innovation, Principal Investigators: Teemu Leinonen, Jarmo Viteli, and Marko Turpeinen, 2013.
- “Local Ground,” REPRESENT Research Group, Principal Investigator: Tapan Parikh, 2013.

2010-2014 **Researcher and Interaction Designer**, Aalto University

- “Innovative Technologies for an Engaging Classroom (iTEC),” EU 7th Framework, European Schoolnet (EUN), Work Package Lead: Teemu Leinonen, 2011-2014.
- “Open Learning Networks,” European Social Fund, Principal Investigator: Teemu Leinonen, 2011.

- “Visual Innovations for Inclusive Projects with Diverse Participants,” Academy of Finland, Principal Investigator: Antti Raike, 2010-2011.
 - “Art University Copyright Advice,” Ministry of Education and Culture, Principal Investigator: Maria Rehbinder, 2010-2011.
- 2009 **Visiting Researcher**, Srishti Institute of Art, Design and Technology
- Center for Education, Research, Training, and Development (CERTAD), Supervisors: Geetha Narayanan and Avi V. Varghese, 2009.
- 2008-2009 **Interaction Design Research Internship**, Nokia Research Center
- “Nokia School Communicator India and Kenya,” Collaboration with Aalto University, Massachusetts Institute of Technology (MIT), Indian Institute of Technology (IIT) Kanpur, and Rhode Island School of Design (RISD), 2008-2009.
 - “Mobile Immersion - Spatial Haptics (MoI),” Collaboration with Tampere University of Technology and Tampere University, 2008.

GRANT WRITING EXPERIENCE

- 2020 PI: Kylie Pepler. “*Crafting indigenous computing: Exploring weaving as context for designing inclusive computer science education at the Centro de Textiles Tradicionales del Cusco.*” UCI CORCL and Deans Funds. Accepted.
- 2019 PIs: Kylie Pepler, “*The human side of engineering: Developing empathic approaches to museum-based design tasks that broaden girls’ conceptions of engineering.*” NSF AISL. Under review.
- 2019 PIs: Gail Breslow, Kylie Pepler, Nia Dowell. “*Crafting Clubhouse Pathways into Computing and Engineering Fields.*” NSF AISL. Under review.
- 2018 PIs: Kylie Pepler, Jiangmei Wu. “*Fabric Origami: New Materials for Learning Computer Sciences and Mechanical Engineering.*” \$7500. Materials-Based Research Grant, Center of Craft, Creativity, and Design. Funded.

RECEIVED HONORS, AWARDS, AND EXTRAMURAL FUNDING

- 2020 **University Distinguished PhD Dissertation Award 2020**. University Graduate schools, Indiana University Bloomington, \$5,000
“Fabric-based computing: (Re)examining the materiality of computer science learning through fiber crafts”
- 2020 **Best Student Paper Award**, AERA SIG Advanced Technologies for Learning & Learning Sciences (ALT/LS), \$250
“You can actually feel it happening”: Examining the materiality of learning computing through tangible matrix-based fiber crafts”
- 2020 **Robert F. Tinker Travel Scholarship**, Concord Consortium and the AERA SIG Advanced Technologies for Learning & Learning Sciences (ALT/LS), \$250
“You can actually feel it happening”: Examining the materiality of learning computing through tangible matrix-based fiber crafts (Conference canceled)
- 2019 **Systems Pass It On Award**, AnitaBorg.org, \$1,000
(Re)examining the Materiality of STEM Learning Through Fabric-based Computing
- 2019 **IU Graduate and Professional Student Government (GPSG) Travel Award** (CSCL 2019), Indiana University Bloomington, \$500
- 2018 **ICLS 2018 Doctoral Consortium**, International Conference of the Learning Sciences 2018, International Society of the Learning Sciences, \$2,000
Fabric-based Computing: New Materials for Learning Computer Science
- 2018, 2019 **Provost’s Travel Award for Women in Science** (ICLS, 2018; CSCL 2019), \$1,400
- 2018-2019 **Frieda Alice Renfro Fellowship** 2018-19, Indiana University Bloomington, \$900
- 2018 **Trentham Travel Award** (ICLS 2018), Counseling and Educational Psychology,

- Indiana University Bloomington, \$400
- 2017 **Internal Grant to host annual LSGS Conference**, awarded Barbara C. Jacobs Chair and the Center for Research on Learning and Technology, Indiana University Bloomington, with Chris Georgen, \$3.500
- 2017 **Carole A. Ames Fellowship** 2017-18, Indiana University, School of Education, Counseling and Educational Psychology, \$2.000
- 2016-2019 **CRLT Student Conference Travel Award**, Indiana University Bloomington (AERA 2016; AERA 2017; AERA 2018; CSCL, 2019), \$1.200
- 2016 **Dr. Harrison Hedley Way Research Fellowship** 2016-17, Indiana University, School of Education, Counseling and Educational Psychology, \$750
- 2015 **Special Award for Educational Engagement**, Media, sure! But secure. Competition of Teachtoday, Deutsche Telekom, \$500
Open Portfolio Project
- 2015 **FabLearn 2015 scholarship**, Stanford University
Flexibility to learn: Material artifacts in makerspaces.
- 2014 **Second People's choice award** for poster presentation, CEWiT Conference, Indiana University Bloomington
- 2013-2016 **Faculty Fellowship** 2013-16, Indiana University Bloomington, \$64.000
- 2012 **1st Place winning software application** for TeamUp, eEmeli2012, Apps4Learning, Finland, €500

TEACHING EXPERIENCE

- 2020 **Unit instructor** for *Ubiquitous Computing (IN4MATX 148* – Bachelor level). Instructor of record: Dr. Kylie Pepler, University of California, Irvine, February 2020.
- 2020 **Unit instructor** for *Arts, Making, & Engineering (EDUC218/ IN4MATX 295* – Doctoral level). Instructor of record: Dr. Kylie Pepler, University of California, Irvine, January 2020.
- 2018 **Unit instructor** for *Research Methods*. Instructor of record: Dr. Lucinda Carspecken, Indiana University Bloomington, School of Education
- 2018 **Instructor of record**, Educational Psychology of Elementary School Majors (P251), Indiana University Bloomington (Enrollment: 24 students; 3 credit hours)
- 2018 **Instructor of record**, Field Experience for Elementary School Majors (M101), Indiana University Bloomington (Enrollment: 24 students; 1 credit hour)

PUBLICATIONS

Peer-reviewed* Journal Articles

- Peppler, K., Rowsell, J., & **Keune**, A. (2020). Editorial: Advancing posthumanist perspectives on technology-rich learning. *British Journal of Educational Technology*, 51(4), 1240-1245. doi: 10.1111/bjet.12979
- * **Keune**, A., Peppler, K., & Wohlwend, K. (2019). Recognition in makerspaces: Supporting opportunities for women to “make” a STEM career. *Computers and Human Behavior*, 99, 368-380. doi: 10.1016/j.chb.2019.05.013
- * **Keune**, A. & Peppler, K. (2019). Materials-to-develop-with: The making of a makerspace. *The British Journal of Educational Technology*, 50(1), 280-293. doi: 10.1111/bjet.12702
- * Peppler, K. & **Keune**, A. (2019). “It helps create and enhance a community”: Youth motivations for making portfolios. *Mind, Culture, and Activity*, 26(3), 234-248. doi: 10.1080/10749039.2019.1647546
- * Wohlwend, K., Peppler, K., **Keune**, A., & Thompson, N. (2017). Making sense and nonsense: Comparing mediated discourse and agential realist approaches to materiality in a preschool makerspace. *Journal of Early Childhood Literacy*, 17(3), 444-462. doi: 10.1177/1468798417712066

- D'Urzo, S., Foster, J., **Keune**, A., Peppler, K., & Stutzman, A. (2016). Makerspaces: Providing Pennsylvania practical prefiguration. *Techniques*, 91(6), 25-27.
- * Leinonen, T., **Keune**, A., Veermans, M., & Toikkanen, T. (2016). Mobile apps for reflection in learning: A design research in K-12 education. *British Journal of Educational Technology*, 47(1), 184-202. doi:10.1111/bjet.12224
- * Raike, A., **Keune**, A., Lindholm, B., & Muttillainen, J. (2013). Concept design for a collaborative digital learning tool for film post-production. *Journal of Media Practice*, 14(4), 307-329. doi:10.1386/jmpr.14.4.307_1

Manuscripts Under Review

- Keune**, A. (under review). “You can actually feel it happening” Examining the materiality of learning computing through tangible matrix-based fiber crafts.
- Keune**, A., Yankova, N., & Peppler, K. (under review). #quiltsforpulse: Connected and shared production-centered socio-political activism through craftivism.
- Peppler, K., **Keune**, A., & Rowsell, J. (under review). Hiding in plain sight: Posthuman approaches to mathematical patterning.

Works in Progress

- Peppler, K., **Keune**, A., & Bender, S. (in preparation). Math across crafts: Embodied performance of multiplicative proportional reasoning through fiber crafts.
- Keune**, A. (in preparation). Learning within the fabric of computing: The utility of posthuman perspectives for capturing computational learning.

Peer-reviewed Conference Proceedings

- Keune**, A. & Peppler, K., (2020). Computing in fabric: Exploring posthumanist capturing of learning. In M. Gresalfi & I. Horn (Eds.), *The interdisciplinarity of the learning sciences: International conference of the learning sciences (ICLS) 2020*. Nashville, TN: International Society of the Learning Sciences (conference canceled, proceedings published).
- Keune**, A. & Peppler, K., (2020). Tuning into the craft: Materials as a driver of learning computing. In M. Gresalfi & I. Horn (Eds.), *The interdisciplinarity of the learning sciences: International conference of the learning sciences (ICLS) 2020*. Nashville, TN: International Society of the Learning Sciences (conference canceled, proceedings published).
- Keune**, A., Yankova, N., & Peppler, K., (2020). #quiltsforpulse: Investigating quilting processes to inform community-based engagement. In M. Gresalfi & I. Horn (Eds.), *The interdisciplinarity of the learning sciences: International Conference of the Learning Sciences (ICLS) 2020*. Nashville, TN: International Society of the Learning Sciences (conference canceled, proceedings published).
- Peppler, K., **Keune**, A., & Han, A. J. (2020). Civic engagement with visualizing data in science museums. In M. Gresalfi & I. Horn (Eds.), *The interdisciplinarity of the learning sciences: International Conference of the Learning Sciences (ICLS) 2020*. Nashville, TN: International Society of the Learning Sciences (conference canceled, proceedings published).
- Peppler, K., **Keune**, A., Dahn, M., Bennett, D., Letourneau, S., (2020). Designing for empathy in engineering exhibits. In C. Girvan, J. R. Byrne, B. Tangney, & V. Dagiéné (Eds.), *Exploring, Testing and Extending our Understanding of Constructionism: Constructionism 2020* (pp. 80-81). Dublin, Ireland: ACM (conference canceled, proceedings published).
- Keune**, A. & Peppler, K. (2019). Child-material computing: Material collaboration in fiber crafts. In K. Lund, E. Lavoué, G. P. Nicolai (Eds.), *A wide lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: International Conference on Computer Supported Collaborative Learning (CSCL) 2019*. Lyon, France: International Society of the Learning Sciences.

- Peppler, K., **Keune**, A., Wohlwend, K., Rowsell, J., & Goldstone, R. (2019). Posthuman perspectives on learning. In K. Lund, E. Lavoué, G. P. Niccolai (Eds.), *A wide lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: International Conference on Computer Supported Collaborative Learning (CSCL) 2019* (pp. 1039). Lyon, France: International Society of the Learning Sciences. [pre-conference workshop]
- Sedas, M., Peppler, K., **Keune**, A., & Uttamchandani, S. (2019). Balancing the Scales: Implications of Model Size for Mathematical Engagement. In K. Lund, E. Lavoué, G. P. Niccolai (Eds.), *A wide lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: International Conference on Computer Supported Collaborative Learning (CSCL) 2019*. Lyon, France: International Society of the Learning Sciences.
- Keune**, A., Thompson, N., Faimon, L., & Peppler, K. (2019). Fiber Crafting STEM Learning. In J. Kalir & Filipaik, D. (Eds.), *Connected Learning Summit: Create. Play. Mobilize.* (CLS) 2019 (pp. 270-271). Irvine, CA: Carnegie Mellon University ETC Press.
- Faimon, L., **Keune**, A., & Peppler, K., (2019). Motivating Computational Weaving: Intersections of Goals and Environmental Aspects to Deepen Engagement. In J. Kalir & Filipaik, D. (Eds.), *Connected Learning Summit: Create. Play. Mobilize.* (CLS) 2019 (pp. 221). Irvine, CA: Carnegie Mellon University ETC Press.
- Fields, D., Kafai, Y., **Keune**, A., Peppler, K., Lindberg, L., Shaw, M., Coleman, J., Dahn, M., DeLiema, D., Tanenbaum, T. (2019) Artistry, and Affect in Computing. In J. Kalir & Filipaik, D. (Eds.), *Connected Learning Summit: Create. Play. Mobilize.* (CLS) 2019 (pp. 247). Irvine, CA: Carnegie Mellon University ETC Press.
- Keune**, A. (2018). Fabric-based computing: New materials for learning computer science. In J. Kay & R. Luckin (Eds.), *Rethinking learning in the digital age: Making the Learning Sciences count: The International Conference of the Learning Sciences (ICLS) 2018* (Vol. 3, pp. 1879). London, UK: International Society of the Learning Sciences. ISBN: 978-1-7324672-2-4
- Peppler, K., **Keune**, A., & Whiting, J. (2018). Mobility, Diversity, and Openness: Distilling Design Principles for Equitable and Accessible Makerspaces. In J. Kay & R. Luckin (Eds.), *Rethinking learning in the digital age: Making the Learning Sciences count: The International Conference of the Learning Sciences (ICLS) 2018* (Vol. 3, pp. 1519-1520). London, UK: International Society of the Learning Sciences. ISBN: 978-1-7324672-2-4
- Keune**, A. & Peppler, K. (2017). Maker Portfolios as Learning and Community Building Tools Inside and Outside Makerspaces. In B. K. Smith, M. Borge, E. Mercier, & K. Lim (Eds.), *Making a Difference: Prioritizing Equity and Access in CSCL: The International Conference on Computer Supported Collaborative Learning (CSCL) 2017* (Vol. 2, pp. 545-548). Pittsburgh, PA: International Society of the Learning Sciences. ISBN: 978-0-9903550-2-1
- Litts, B., Kafai, Y. B., Fields, D. A., Halverson, E. R., Peppler, K., **Keune**, A., Tissenbaum, M., Grimes, S. M., Change, S., Regalla, L., Telhan, O., & Tan, M. (2016). Connected making: Designing for youth learning in online maker communities in and out of schools. In Looi, C.-K., Looi, C. K., Polman, J. L., Cress, U., and Reimann, P. (Eds.), *Transforming Learning, Empowering Learners: The International Conference of the Learning Sciences (ICLS) 2016*, Vol. 2, pp. 1041-1047. Singapore: International Society of the Learning Sciences. ISBN: 978-0-09903550-8-3
- Keune**, A., Gomoll, A., & Peppler, K. (2015). *Flexibility to learn: Material artifacts in makerspaces*. In P. Blikstein, M. Berland, & D. A. Fields (Eds.), *Equity and Diversity in Making: FabLearn 2015 Conference on Creativity and Fabrication in Education*. Palo Alto, CA: Stanford University.
- Toikkanen, T., & **Keune**, A. (2014). Designing Edukata: a method for educators to create learner-centered activities. In *EdMedia: World Conference on Educational Multimedia, Hypermedia and Telecommunications 2014* (pp. 1476-1483). Tampere, Finland: Association for the Advancement of Computing in Education (AACE).
- McNicol, S., Lewin, C., **Keune**, A., & Toikkanen, T. (2014). Facilitating student reflection through digital technologies in the iTEC project: Pedagogically-led change in the classroom. In P. Zaphiris & A. Ioannou (Eds.), *Technology-Rich Environments for Learning and Collaboration: Learning and Collaboration*

Technologies (LCT) 2014 (Vol 2, pp. 297-308). Crete, Greece: Springer. DOI 10.1007/978-3-319-07485-6

- Keune, A., Lindholm, B., Muttillainen, J., & Raike, A.** (2013). Concept design for a collaborative digital learning tool for film post-production. In R. Smeds & O. Irrmann (Eds.), *Co-create 2013: The Boundary-Crossing Conference on Co-Design in Innovation* (pp. 601-612). Helsinki, Finland: Aalto University publication series. Science + Technology 15/2013, ISBN 978-952-60-5236-6
- Toikkanen, T., & **Keune, A.** (2013). Ambient awareness of classroom activities. Designing mobile face-to-face group interactions workshop, In M. Korn, T. Colombino, M. Lewkowicz (Eds.), *13th European Conference on Computer Supported Cooperative Work* (pp. 109). Paphos, Cyprus.
- Keune, A., & Leinonen, T.** (2013). Square1 prototype: Build your own devices for collaborative learning. In *Interaktiivinen Tekniikka Koulutuksessa (ITK) 2013* (pp. 93-99). Hämeenlinna, Finland. ISBN 978-951-44-9202-0
- Keune, A., Leinonen, T., & Purma, J.** (2012). New media tools for reflection in learning. In R. Ørngreen (Ed.), *Designs for Learning: 3rd International Conference Exploring Learning Environments 2012* (pp. 101-103). Copenhagen, Denmark: Aalborg Universitet København. ISBN 978-87-995328-0-3
- Keune, A., Leinonen, T., & Castro Pelayo, B.** (2010). Filming a New Beginning: Prototyping a Critical Thinking Practice with Indian Families in Chennai. In *Lens Conference: Sustainability in Design: NOW*. Bangalore, India: Srishti Institute of Art, Design, and Technology.

Peer-reviewed and Invited* Book Chapters

- * Peppler, K., **Keune, A.**, & Thompson, N. (2020). Reclaiming traditionally feminine practices and materials for STEM learning through the modern maker movement. In N. Holbert, M. Berland, & Y. Kafai (Eds.), *Designing Constructionist Futures: The Art, Theory, and Practice of Learning Designs* (pp. 127-139). Cambridge, MA: MIT Press.
- * Wohlwend, K., **Keune, A.**, & Peppler, K. (2019). We need it loud: Looking at preschool making from mediated and materialist perspectives. In M. Sakr & J. Osgood (Eds.) *Postdevelopmental approaches to early childhood art*. London, UK: Bloomsbury.
- Keune, A., Thompson, N., Peppler, K., & Chang, S.** (2017). “My portfolio helps my making”: Motivations and mechanisms for documenting creative projects in out-of-school makerspaces. In L. Mikos & I. Eleá (Eds.), *Young and creative: Digital technologies empowering children in everyday life* (pp. 145–158). Gothenburg, Sweden: Nordicom.
- * **Keune, A.** (2017). Portfolios (especially online or e-portfolios). In K. Peppler (Ed.), *The SAGE encyclopedia of out-of-school learning* (pp. 246-247). Thousand Oaks: Sage.
- Tan, V., **Keune, A.**, & Peppler, K. (2017). The materiality of design in e-textiles. In S. Goldman & Z. Kabayadondo (Eds) *Taking design thinking to school* (pp. 180-194). New York, NY: Routledge.
- Wohlwend, K., **Keune, A.**, Peppler, K. (2016). Design Playshop: Preschoolers Making, Playing and Learning with Squishy Circuits. In K. Peppler, Y. Kafai, E. Halverson (Eds.), *Makeology: Makerspaces as Learning Environments Volume 1* (pp. 83-96). New York, NY: Routledge.
- * Toikkanen, T., **Keune, A.**, & Leinonen, T. (2015). Edukata: A participatory design model for creating learning activities. In F. Van Assche, L. Anido, D. Griffiths, C. Lewin, & S. McNicol (Eds) *Re-engineering the uptake of ICT in schools* (pp. 41-58). Springer Open.
- * **Keune, A.**, & Toikkanen, T. (2013). Edukata™ - The Innovative Learning Activity Design Toolkit. *Designing the Future Classroom*, 1, 8. European Schoolnet (EUN Partnership AISBL).
- Corneli, J., Danoff, C., **Keune, A.**, & Lyons, A. (2012). Peeragogy in action - peer produced learning. In K. Braybrooke, J. Nissilä & T. Vuorikivi (Eds.), *The open book - publication on open knowledge* (pp. 94–100). London, U.K.: The Finnish Institute.
- * **Keune, A.** (2012). Appendix: Co-creation, co-governance and peer-to-peer production of public services – Seminar Report. In A. Botero, A. Paterson & J. Saad-Sulonen (Eds.), *Towards peer*

production in public services: Cases from Finland (pp. 126–129). Helsinki, Finland: Aalto University. ISBN 978-952-60-4663-1

Open Access* Practitioner Reports

- Peppler, K., **Keune**, A., & Dahn, M. (2019). *AISL NYSCI summative evaluation report: Designing for narrative and cultivating empathy in museum-based settings: supporting girls' engagement in engineering practices*. Deliverable to the New York Hall of Science as part of National Science Foundation project #1712803.
- Peppler, K., **Keune**, A., & Han, A. (2019) *AISL II CNS Phase 1 Learning Sciences Research Report*. Project deliverable for National Science Foundation project #1713567.
- * Peppler, K., **Keune**, A., & Chang, S. (2018). *Open portfolios research brief series 2*. Oakland, CA: Maker Education Initiative.
- * Chang, S., **Keune**, A., Peppler, K., & Regalla, L. (2014). *Open portfolios research brief series 1*. Oakland, CA: Maker Education Initiative.
- * **Keune**, A., Toikkanen, T., & Leinonen, T. (2014). *D3.4: Edukata participatory design model – facilitator guide for designing learning activities*. Deliverable to the European Commission.
- * Toikkanen, T. & **Keune**, A. (2014). *D3.3: Final report on iTEC prototyping*. Deliverable to the European Commission.
- * **Keune**, A., Toikkanen, T., & Leinonen, T. (2012). *D 3.2: Report on design prototypes and challenges in education*. Deliverable to the European Commission.
- * **Keune**, A., & Toikkanen, T. (2012). *Learning stories and activities 4: Real word challenges*. Deliverable to the European Commission.
- * **Keune**, A., Toikkanen, T., & Leinonen, T. (2012). *Learning stories and activities 3: Design at school*. Deliverable to the European Commission.
- * **Keune**, A., Toikkanen, T., Purma, J., & Leinonen, T. (2011). *D3.1: Report on design prototypes and challenges in education*. Deliverable to the European Commission.
- * **Keune**, A., Toikkanen, T., & Leinonen, T. (2011). *Learning stories and activities 2: Learning individually and in teams*. Deliverable to the European Commission.
- * **Keune**, A., Toikkanen, T., Leinonen, T., & Purma, J. (2011). *Learning stories and activities 1: Outside expert/outdoor study*. Deliverable to the European Commission.

Peer-reviewed Talks, Presentations, and Conference Workshops

- Keune**, A. (July 2020). Tangible computational crafting: How material practices of fiber crafts shape learning. Connected Learning Summit (CLS), July 29-31, 2020, Cambridge, MA. (Conference canceled)
- Keune**, A., Yankova, N., & Peppler, K. (July 2020). #quiltsforpulse: Investigating Quilting Processes to Inform Community-based Engagement. Connected Learning Summit (CLS), July 29-31, 2020, Cambridge, MA. (Conference canceled)
- Peppler, K., **Keune**, A., & Han, J.A. (July 2020). Data Visualization Exploration in Science Museums. *Connected Learning Summit (CLS)*, July 29-31, 2020, Cambridge, MA. (Conference canceled)
- Peppler, K., **Keune**, A., & Han, J.A. (July 2020). Data Visualization Exploration in Science Museums. *Connected Learning Summit (CLS)*, July 29-31, 2020, Cambridge, MA. (Conference canceled)
- Peppler, K., **Keune**, A., & Dahn, M. (July 2020). Designing for Empathy in Museum-Based Settings to Support Learning Pathways to Engineering. *Connected Learning Summit (CLS)*, July 29-31, 2020, Cambridge, MA. (Conference canceled)
- Keune**, A. & Peppler, K. (April 2020). “You can actually feel it happening”: Examining the materiality of learning computing through tangible matrix-based fiber crafts. SIG Learning Sciences; Roundtable paper accepted session titled, “Materiality, Embodiment, and Learning” at the *Annual Meeting of the American Educational Research Association (AERA)*, April 17-21, 2020, San Francisco, CA. (Conference canceled) – **Best student paper award**

- Keune, A.** & Pepler, K. (April 2020). “I would call this a slow computer”: Fiber crafts as tangible computational manipulatives. SIG-Advanced Technologies for Learning; Poster accepted to structured poster session “Making the Future: Addressing Critiques, Transitions and New Challenges in Maker Education” at the Annual Meeting of the American Educational Research Association (AERA), April 17-21, 2020, San Francisco, CA. (Conference canceled)
- Keune, A.** & Pepler, K. (October 2019). *Bending the Matrix: Computing as Artifact Transformation with Fiber Crafts*. Symposium presentation at the Connected Learning Summit (CLS), October 3-5, 2019, Irvine, CA.
- Pepler, K., **Keune, A.**, & Thompson, N. (April 2019). *E-textiles: A context for advancing theory, design, and assessment in the learning sciences*. SIG Learning Environments; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 05-09, 2019, Toronto, Canada.
- Börner, K., Record, E., Kennedy, B., Pepler, K., **Keune, A.**, Uzzo, S., & Heimlich, J. (September 2019). *Make-A-Vis: Come Build a Data Visualization from The Ground Up*. Association of Science Technology Centers (ASTC), September 20-22, 2019, Toronto, Canada.
- Bennett, D., Letourneau, S., Porter, M., Cage, L., & **Keune, A.** (September 2019). *Using Narratives to Create Inclusive and Engaging Museum-based Engineering Experience*. Association of Science Technology Centers (ASTC), September 20-22, 2019, Toronto, Canada.
- Keune, A.**, Wohlwend, K., & Pepler, K. (2018). *Technology-making children or technology making children?* SIG-Writing and Literacies; Symposium presentation at the Annual Meeting of the American Educational Research Association (AERA), April 13-May 17, 2018, New York, NY.
- Keune, A.** & Pepler, K. (2018). *A self-made woman: Materiality of maker portfolio practices for STEM identity development*. SIG-Learning Sciences; Roundtable paper presented at the Annual Meeting of the American Educational Research Association (AERA), April 13-May 17, 2018, New York, NY.
- Pepler, K., **Keune, A.**, & Chang, S. (2018). *Open maker portfolios: A framework for assessment in makerspaces*. Division C, Section 3b: Technology-Based Environments; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 13-May 17, 2018, New York, NY.
- Pepler, K., **Keune, A.**, & Chang, S. (2018). *Youth motivations for open maker portfolios in school and out-of-school makerspaces*. SIG-Advanced Technologies for Learning; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 13-May 17, 2018, New York, NY.
- Keune, A.** & Pepler, K. (2017). *Materiality of design in e-textiles*. In panel: Textile messages: Electronic textiles as disruptive designs and inclusive activities. Presented at the Digital Media and Learning Conference 2017 (DML), October 4-6, 2017, Irvine, CA.
- Pepler, K., **Keune, A.**, Bender, S., & Thompson, N. (2017, April). *Math across crafts: Intersections of proportion with spatial visualization in crochet, knitting, and pleating*. Poster presented at the ADVANCE/GSE Program Workshop Broadening Participation: Intersectionality. October 8-10, 2017, Washington D.C.
- Thompson, N., Bender, S., **Keune, A.**, Pepler, K., Samson, K., Saxena, P., Sedas, M., Uttamchandani, S. (2017, April). *“Good for you math”: Exploring women crafters’ comparisons of “craft math” to “school math”*. Poster at the ADVANCE/GSE Program Workshop Broadening Participation: Intersectionality. October 8-10, 2017, Washington D.C.
- Keune, A.**, Bender, S., & Sedas, M. (2017). *Knitting, sewing, crocheting: Craft endeavors around ratio and proportion*. Workshop facilitated at the Digital Media and Learning Conference 2017 (DML), October 4-6, 2017, Irvine, CA.
- Keune, A.** & Pepler, K. (2017). *Open portfolios: Collaboratively capturing rich learning through making*. Division C, Section 3b: Technology-Based Environments; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 27-May 1, 2017, San Antonio, TX.

- Keune, A. & Pepler, K.** (2017). “*You have to make a makerspace:*” *Material design of an out-of-school tech-center.* Division C, Section 3a: Learning Environments; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 27th-May 1st, 2017, San Antonio, TX.
- Keune, A.** (2016). *360° Makerspaces: designing youth-serving makerspaces using virtual reality snapshots.* Poster presented at the 1st Learning Sciences Graduate Student Conference (LSGSC), October 20-21st, 2016, Chicago, IL.
- Bender, S., Chapman, K., Gresalfi, M., **Keune, A.**, Samson, K., Thompson, N., & Wisittanawat, F. (2016) *Re-crafting mathematics education: Exploring textile crafts as tangible mathematical manipulatives.* Workshop facilitated at the Digital Media and Learning Conference (DML), October 5-7th, Irvine, CA.
- Keune, A., & Pepler, K.** (2016). *Open maker portfolios: Documenting and assessing making.* Presented at the Association for Authentic, Experiential and Evidence-Based Learning (AAEEBL) Midwest Regional Conference, May 11-12th, 2016, Notre Dame, IN.
- Keune, A. & Pepler, K.** (2016). Expanding, re-configuring, & evolving: Design conjectures for equitable makerspaces. Division C, Section 2b: Learning and Motivation in Social and Cultural Contexts; Poster presented at the Annual Meeting of the American Educational Research Association (AERA), April 8-12th, 2016, Washington, DC.
- Bender, S., **Keune, A.**, Pepler, K., Thompson, N., Thoroughgood, L., & Whiting, J. (2016). *Mini maker faire.* Workshop facilitated at IST Conference, March 2016, Indiana University, Bloomington, IN.
- Chang, S. & **Keune, A.** (Sept. 27th, 2015). *Capture it! Making open portfolios.* Workshop facilitated at FabLearn 2015 Conference, September 26th-27th 2015, Stanford University, CA.
- Keune, A., & Thompson, N.** (June 12th, 2015). *Design playshop: Expanding making with squishy circuits.* Workshop facilitated at the Digital Media & Learning (DML) Conference, Equity By Design, June 11th-13th, Los Angeles, CA.
- Johnson, L., & **Keune, A.** (May 13th, 2015). *Co-creating a DML distributed, open, collaborative course.* Presented at the ALTFest (Academic Learning Transformation) Conference, May 12th-14th 2015, Virginia Commonwealth University, Richmond, VA.
- Wohlwend, K., Pepler, K., & **Keune, A.** (2015). *Design playshop model: Meaningful technology integration in early childhood classrooms using squishy circuits.* Division C, Section 3a: Learning Environments; Paper presented at the Annual Meeting of the American Educational Research Association (AERA), April 16-20th, 2015, Chicago, IL.
- Bender, S., Buchholz, B., Kargin, T., **Keune, A.**, Lu, Y. H., Pepler, K., Scott, J., Tan, V., Thompson, N., Whiting, J., & Wohlwend, K. (2015). *Mini maker faire.* Workshop facilitated at the IST Conference, March 6th 2015, Indiana University, Bloomington, IN.
- Keune, A., & Thompson, N.** (2014). *Squishy circuits in pre-school: Intersections of play, craft and circuitry.* Poster presented at the IU Center of Excellence for Women in Technology Conference (CEWIT): Techie Women have more, Bloomington, IN.
- Keune, A., & VanWart, S.** (2014). *Participatory design of open portfolio practices for young makers through hands-on making.* Workshop facilitated at the Project Zero Perspectives Conference, October 10-12th 2014, San Francisco, CA.
- Keune, A., & Thompson, N.** (2014). *Open portfolios: A hands-on discussion.* Workshop facilitated at World Maker Faire New York, September 2014, New York, NY.
- Keune, A., & Toikkanen, T.** (2014). *Edukata – Designing learner-centered activities together.* Poster at the Cumulus Conference “Design with the Other 90%: Changing the World by Design”, Johannesburg, South Africa.
- Keune, A.** (2014). *Edukata - Designing learner-centered activities together.* Workshop facilitated at the OpenEd Jam, July 25-27th 2014, San Antonio, TX.
- Keune, A., McKay, C, Chang, S., & Pepler, K.** (2014). *Prototype a design workshop for open maker portfolios.* Workshop facilitated at World Maker Faire Bay Area, May 2014, San Mateo, CA.
- Keune, A., & Leinonen, T.** (2013). *Square1: A collection of single-task dedicated learning devices.* Presented at the Interactive Technology in Education Conference (ITK), Hämeenlinna, Finland.

- Keune, A.** & Leinonen, T. (2013). *Square1 hypothesis: Building computational and collaborative learning tools in school*. Presented at the Interactive Technology in Education Conference (ITK), Hämeenlinna, Finland.
- Keune, A., Purma, J., & Toikkanen, T.** (2012). *TeamUp and other digital tools for reflection*. Poster presented at the Interactive Technology in Education Conference (ITK), Hämeenlinna, Finland.
- Keune, A., Johnson, G., Lyons, A., Ricaurte, P., & Terzi, F.** (2012). *Peeragogy handbook*. Workshop facilitated at the Open Knowledge Festival 2012, Helsinki, Finland.
- Keune, A., & Leinonen, T.** (2012) *New media tools for reflection*. Workshop facilitated the New Media Consortium Summer Conference (NMC 2012), Boston, MA.

Invited Workshops, Presentations, and Talks

- Keune, A.** (2020). *Fabric-based Computing – (Re)examining the Materiality of Computer Science Learning through Fiber Crafts*. Carnegie Mellon University, School of Computer Science Dean’s Faculty Talk Series, April 2020.
- Keune, A.,** (2019). *Curiosity and Wonder*. Graduate Speaker, Indiana University Bloomington, School of Education Graduate Convocation, May 2019.
- Keune, A.** (2018). Invited panelist for Global Gateway for Teachers, Indiana University Bloomington, School of Education.
- Keune, A.** (2016). *Maker portfolios: Capturing the rich learning of making*. Workshop provided for FabLearn Australia 2016 Conference, May 20th-21st 2016, Melbourne, Victoria, Australia. (Facilitated three times)
- Just, S., Blikstein, P., Nemorin, S., **Keune, A.,** & Dec, J. (2016). *Maker Education moving forward*. Panel for FabLearn Australia 2016 Conference, May 20th-21st 2016, Melbourne, Victoria, Australia.
- Rink, N., Chang, S., **Keune, A.,** Flin, B., & Rose, B. (Jun. 10th, 2015). *Maker corps portfolio and Documentation Practices*. Invited speaker for Maker Ed webinar.
- Peppler, K., Wohlwend, K., Buchholz, B.A., **Keune, A.,** & Thompson, N. (May 1st, 2015). *Tell Your StudioCode Story*. Invited speaker for StudioCode webinar.
- Keune, A.** (Aug. 15th, 2015). *ToyStory: Remixing discarded playthings: Mini maker faire*. Workshop provided at the Indiana Connected Educators (ICE) Conference, August 15th 2015, Indiana University, Bloomington, IN.
- Bowen, K., Johnson, L., **Keune, A.,** Phillips, N., Rish, R., & Woodard, R. (Apr. 29th, 2015). *Co-design and collaboration in design-based research: Stories from the field*. Co-host of DML Commons webinar series. Available at: http://dmlcommons.net/my-calendar/?mc_id=32
- Blum-Ross, A., Brough, M., Costanza-Chock, S., **Keune, A.,** & Saad-Sulonen, J. (Apr. 29th, 2015). *How to approach participatory and community-based research/ design*. Co-host of DML Commons webinar series. Available at: http://dmlcommons.net/my-calendar/?mc_id=25
- Bang, M., Bell, P., Johnson, L., & **Keune, A.** (Apr. 23rd, 2015). *Co-design and collaboration in design-based research*. Co-host of DML Commons webinar series. Available at: http://dmlcommons.net/my-calendar/?mc_id=26
- Blum-Ross, A., Brough, M., **Keune, A.,** Erbstein, N., & Sefton-Green, J. (Apr. 21st, 2015). *Practical, political, and professional considerations of community-based research on digital media & learning*. Co-host of DML Commons webinar series. Available at: http://dmlcommons.net/my-calendar/?mc_id=20
- Cantrill, C., Chang, S., Costa, B., **Keune, A.,** Peppler, K., Prozzi, J., & Wolovich, B. (Mar. 4, 2015). *Open portfolio project (part 2): Documentation and making*. Invited speaker for Educator Innovators webinar. Available at: <http://educatorinnovator.org/webinars/documentation-and-making-part-2an-educator-innovator-webinar/>
- Cantrill, C., Chang, S., **Keune, A.,** Kolos, H., Ross, J., & Walker, J. (Feb. 25, 2015). *Open portfolio project (part 1): Learning from maker portfolios*. Invited speaker for Educator Innovators webinar. Available at: <http://educatorinnovator.or/webinars/learning-from-maker-portfolios-part-1an-educator-innovator-webinar/>

- Cantrill, C., Chang, S., McKay, C., **Keune, A.**, Kolos, H., & Ross, J. (Jan. 24, 2014). *"Open portfolio" - helping makers show off lifelong learning*. Invited speaker for Connected Learning webinar. Available at: <http://connectedlearning.tv/open-portfolio-helping-makers-show-lifelong-learning>.
- Leinonen, T. & **Keune, A.** (2012). *Learning environments research group projects*. Media Lab Helsinki Demo Day.
- Keune, A.**, Purma, J., & Toikkanen, T. (2012). *TeamUp a digital tool for small group collaboration*. Poster presented at the Media Lab Helsinki Demo Day.
- Toikkanen, T., & **Keune, A.** (2012) *Learning activities: New ways of thinking about organizing teaching*. Workshop provided for the Virtuaaliopetuksen päivät 2012/Virtual Education Days 2012, Helsinki, Finland.
- Keune, A.** (2012). *My Learning Landscape*. Invited presentation at Teacher Seminar, Oulu, Finland.
- Hyyppä, K., & **Keune, A.** (2011). Visualization for scientific research. Workshop provided for the Meraka Institute, CSIR, Pretoria, South Africa. South Africa-Finland Knowledge Partnership for ICT (SAFIPA).
- Purma, J. & **Keune, A.** (2011). *iTEC designing the future classroom*. Media Lab Helsinki Demo Day.
- Keune, A.** (2011). *Filming a new beginning: Designing a new media learning practice for and with Indian families*. Masters of Arts Exhibition, Helsinki, Finland

MEDIA HIGHLIGHTS

- 2020 Indiana University School of Education news, "Keune wins dissertation award:." Online: https://education.indiana.edu/news-events/_news/2020/jul-dec/2020-07-08-keune-wins-dissertation-award.html
- 2020 Wogrammer, "Pass It On Award Winner Spotlight: Anna Keune". Online: <https://medium.com/wogrammer/2019-pass-it-on-award-winner-spotlight-anna-keune-544fc1dfa6e5>
- 2019 International Society of the Learning Sciences (ISLS), "Materiality of Learning – Anna Keune doctoral candidate and graduate research assistant" Online: <https://www.facebook.com/photo.php?fbid=10160624882855548>

REGISTERED TRADEMARKS

- 2013 Edukata®, NP-Ratkaisut Oy, Helsinki, Finland.

PROFESSIONAL SERVICE

Reviewing Activities

Journal reviews

- 2020 International Journal of Child-Computer Interaction
- 2020 Studies in Science Education
- 2020 International Journal for Computer Supported Collaborative Learning (ijCSCL)
- 2020 Frontiers in Education
- 2020 Information and Learning Sciences
- 2020, 2019, 2016 International Journal of Designs for Learning
- 2020, 2019 Computer Science Education
- 2020, 2019, 2018 The British Journal of Educational Technology
- 2019, 2018, 2016 Journal of Early Childhood Literacy
- 2018 Mind Culture and Activity Journal
- 2015 Instructional Science Journal

Conference reviews

- 2020 Conference on Tangible, Embedded, and Embodied Interaction (TEI) 2021
- 2020 Associate Chair (AC) on the Program Committee (PC) for CHI 2020 Late Breaking Works (LBWs)
- 2019 International Conference of the Learning Sciences (ICLS)
- 2019, 2015, 2014 FabLearn Conference
- 2018-2020 Connected Learning Summit (CLS)
- 2018 Computer Supported Collaborative Learning (CSCL)
- 2017-2018 Interaction Design and Children Conference
- 2016-2020 AERA Annual Meeting, SIG-LS

Conference / Research Meeting Organization and Conference Session Chair Activities

- 2020 Co-host, Data Visualization advisory board meeting at the University of California, Irvine, (Peppler, K. & Keune, A.).
- 2020 Conference session chair, American Educational Research Association (AERA), Learning Sciences & SIG Advanced Technologies for Learning (SIG LS-ALT) round table session chair. (Conference canceled)
- 2018 Conference session chair, International Conference of the Learning Sciences (ICLS)
- 2017 Conference session chair, Computer Supported Collaborative Learning (CSCL) Conference
- 2017 Co-host and chair, 2nd Learning Sciences Graduate Student (LSGS) Conference, Indiana University Bloomington. (Keune, A. & Georgen, C.). Attendance: 110
- 2017 Publicity co-chair, Conference on Discourse Analysis in Educational Research.
- 2017 Co-host, Open Portfolios National Working Group convening at the Gordon and Betty Moore Foundation, August 3-4, Palo Alto, CA. (Peppler, K., **Keune**, A., Chang S.).
- 2016 Co-chair, 1st Learning Sciences Graduate Student (LSGS) Conference, University of Chicago. Attendance: 90
- 2016 Co-host, Open Portfolios National Working Group convening at the Gordon and Betty Moore Foundation, November 4-5, Palo Alto, CA. (Peppler, K., **Keune**, A., Chang, S.).
- 2016 Conference session chair, Association for Authentic, Experiential and Evidence-Based Learning (AAEEBL) Midwest Regional Conference, *Section B – Professional Portfolios with Badges*, May 11-12th, 2016, Notre Dame, IN
- 2014 Co-host, Open Portfolios National Working Group convening at the Gordon and Betty Moore Foundation, November 4-5, Palo Alto, CA. (Peppler, K., **Keune**, A., Chang, S. & Regalla, L.).
- 2014 Co-host, Open Portfolios National Working Group convening at Indiana University, February 10-12th 2014, Bloomington, IN. (Peppler, K., **Keune**, A., McKay, C., & Chang, S.).
- 2012 Participant, iTEC Project convening at the European Schoolnet, September 4th-6th, Brussels, Belgium. (Leinonen, T. & **Keune**, A.).

Committee Work

- 2018 Graduate representative, JSL Best Paper Award (ISLS) 2018
- 2017-present Committee Member, ISLS Publications Committee
- 2015-2018 Research Development and External Partnership Committee, Indiana University
- 2015-2016 Member, International Advisory Board for Design Thinking of The College of William and Mary
- 2011-2014 Member, Howard Rheingold University, Peeragogy Project
- 2014-2018 Vice President & Treasurer, Web designer; Learning Sciences Graduate Student Association, Indiana University

- 2015-2016 Member, Women Empowering Success in Technology (WESiT) Scholars Committee
- 2015 Dissertation copyeditor, Frankfurt School of Finance & Management, Germany
- 2015 Master Thesis evaluator, Aalto University School of Arts, Design and Architecture, Finland
- 2010-2011 Board member, Aalto Social Impact Association
- 2010-2011 Chair for Environmental Affairs and Development Cooperation, Aalto University Tokyo Student Association
- 2008-2009 President, Media Lab Helsinki Student Association

Community Engagement in School and Out-of-school Settings

- 2015-2018 Craft mentor, Ground Floor Teen Center, Monroe County Public Library (MCPL), Bloomington, IN
- 2017-2018 Volunteer at The Project School, Bloomington, IN
- 2018 Best Buy + LRNG eTextiles (LilyPad and ArduBlocks), Workshop lead, St. Jude's Children's hospital, Memphis, TN
- 2017 Best Buy + LRNG eTextiles (LilyPad and ArduBlocks), Workshop provided for Boys and Girls Club of Bellevue, Bellevue, WA.
- 2017 LRNG eTextiles Workshop, Nora Elementary School, Indianapolis, IN
- 2017 Crafty Fiber Arts Camp, Workshop provided for Monroe County Public Library (MCPL), Bloomington, IN
- 2017 Crafty Fiber Arts Sessions provided for Monroe County Public Library (MCPL), Bloomington, IN
- 2016 Maker in Residence, E-textiles workshops provided for Lauriston Girls' School Melbourne, Victoria, Australia.
- 2016 Learning Sciences Consulting provided for the Imagination Foundation, LA, CA
- 2015 WonderLab Camp: LittleBits. Workshop lead, WonderLab Museum of Science, Bloomington, IN
- 2015 eTextiles Drop-In Workshop. Workshop provided for Makevention, Bloomington
- 2015 WonderLab First Friday Evening: Science of Art. e-Textiles workshop provided for WonderLab Museum of Science, Bloomington, IN
- 2015 *Make your own light up bookmark.* eTextiles workshop lead, Maker Days Summer 2015, Monroe County Public Library, Bloomington, IN
- 2015 *ToyStory: Remixing Discarded Playthings.* Toyhacking workshop lead, MakerDays 2015, Monroe County Public Library, Bloomington, IN
- 2014 *Laser Cutting for Children.* Workshop, Monroe County Public Library, Bloomington, IN
- 2012 Design Consulting provided for Safer NGO, Helsinki, Finland
- 2010 Filming a New Beginning Video Workshop provided for Pudiador Association for Community Empowerment, Chennai, India
- 2009 Workshop facilitator, Pudiador Association for Community Empowerment, Chennai, India

PROFESSIONAL MEMBERSHIP

- American Educational Research Association (AERA)
- Learning Sciences Special Interest Group (SIG LS)
- International Society of the Learning Sciences (ISLS)

OPEN MATERIAL

Educational websites

- 2019 Posthumanist Perspectives on Learning – CSCL 2019 workshop website:
<https://materialityoflearning.weebly.com>

- 2015-2018 360 makerspaces – Photographs of international makerspaces to support educational design:
www.360makerspaces.com
- 2015 Edukata Participatory Design Model website: <http://edukata.fi>, with T. Toikkanen and T. Leinonen.

Video and Animated Abstracts

- 2014 Edukata overview video abstract: <https://vimeo.com/88934263>; with S. Vilmusenaho
Video abstract to introduce the Edukata Participatory Design Model.
- 2013 Edukata video abstract: <https://vimeo.com/82281460>; with S. Vilmusenaho
- 2012 Media Tools for Reflection in Learning (iTEC), video abstract:
<https://vimeo.com/35777113>
- 2011 Filming a New Beginning, video abstract, <https://vimeo.com/31784924>

Open Educational Facilitator Guides

- 2014 Edukata Participatory Design Model – Facilitator guide for designing learning activities;
with T. Toikkanen and T. Leinonen
- 2012 Designing Opportunities for Women in the Democratic Republic of Congo – A
Workshop Kit; delivered to the Canadian NGO SAFER; with K. Hyypä.
- 2011 LeMill – Introduction, video abstract, <https://vimeo.com/26008772>
- 2011 iTEC scenario: Recognizing Informal Learning (English), video abstract
<https://vimeo.com/24463407>
- 2011 iTEC scenario: Outdoor Study Project, video abstract, <https://vimeo.com/24463474>
- 2011 iTEC scenario: Recognizing Informal Learning (Italian), video abstract,
<https://vimeo.com/24461482>
- 2011 National Recordal Systems - Nikmas animation, video abstract,
<https://vimeo.com/29857669>; with K. Hyypä
- 2010 Nokia.Expand, Video abstract, <https://vimeo.com/29452534>; with P. Banerjee, S. Kim,
& I. Olander

Digital Tools for Learning and Educational Exhibits

- 2012 ReFlex: Online software tool for recording personal reflections of learning,
piloted with 2000 classrooms across Europe, <http://reflex.aalto.fi/>; with T. Leinonen,
T. Toikkanen, J. Purma
- 2012 Ambire: Online software tool for whole classroom reflection:
<http://ambire.itec.smartlabs.mobi/>; with T. Leinonen, T. Toikkanen, J. Purma, M.
- 2011 TeamUp: Online software tool for forming teams based on interests and for recording
teamwork reflections, piloted with 2000 classrooms across Europe
<http://teamup.aalto.fi/>; with T. Leinonen, T. Toikkanen, J. Purma
- 2010 Filming a New Beginning – A Mobile Video Workshop for Children by Children.
Guidebook for educators.
- 2008 Interactive installation at Argos Young Designers 2008, Stockmann, Helsinki. Group
exhibition (05-06/2008).
- 2008 *Crowning Havis*. Interactive installation at the Havis Amanda Mon Amour – 100 years
Havis Amanda Exhibition, Jugendsali, Helsinki. Group exhibition (05-09/2008)
- 2007 *I breathe what you breathe*. Interactive installation at the Media Night, University of Applied
Sciences Darmstadt. Group exhibition. (12/2007)
- 2007 *I breathe what you breathe*. Interactive installation at Bachelor of Arts Exhibition, University
of Applied Sciences Darmstadt. Group exhibition (06/2007)
- 2007 *16!*. Interactive installation at 603qm, Darmstadt. Group exhibition.