

## LIST OF PUBLICATIONS

Dr. Anna Keune

### Peer-reviewed\* Journal Articles

- \* Pepler, K., **Keune**, A., & Han, A. (2021). Cultivating Data Visualization Literacy in Museums. *Information and Learning Sciences*, 0, 0-0. Doi: forthcoming.
- \* **Keune**, A., Pepler, 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. & Pepler, 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
- \* Pepler, 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., Pepler, 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., Pepler, 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

### Editorial Activities

- Pepler, 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

### Peer-reviewed Conference Proceedings

- Keune**, A., Zambrano-Gutiérrez, J., Phonethibavads, A., & Pepler, K. (2021). The unexamined influence: An object's perceived gender on spatial reasoning skills in girls. In N. Rummel & U. Hoppe (Eds.), *Reflecting the past and embracing the future: International Society of the Learning Sciences (ISLS) Annual Meeting 2021* (pp. forthcoming). Bochum, Germany: International Society of the Learning Sciences.
- Keune**, A., Yankova, N., & Pepler, K. (2021). Crafting human-material collaborative learning processes and technology advances. In N. Rummel & U. Hoppe (Eds.), *Reflecting the past and embracing the future: International Society of the Learning Sciences (ISLS) Annual Meeting 2021* (pp. forthcoming). Bochum, Germany: International Society of the Learning Sciences.
- Letourneau, S., Bennett, D., Liu, C. J., Argudo, Y., Pepler, K., **Keune**, A., Dahn, M., & Culp, K. (2021, June). Observing empathy in informal engineering activities with girls ages 7-14. *Proceedings of the Annual American Society of Engineering Education Conference & Exhibition*, Long Beach, CA, United States. **Finalist for the American Society for Engineering Education (ASEE) Pre-College Engineering Education Division's Best Paper Award.**

- 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.
- 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.
- 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.
- 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.
- 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. Dagiené (Eds.), *Exploring, Testing and Extending our Understanding of Constructionism: Constructionism 2020* (pp. 80-81). Dublin, Ireland: ACM.
- 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. Nicolai (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.
- 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. 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.
- 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., Mutttilainen, J., & Raika, 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

- \* Pepler, 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.**, & Pepler, 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., Pepler, 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. Pepler (Ed.), *The SAGE encyclopedia of out-of-school learning* (pp. 246-247). Thousand Oaks: Sage.
- Tan, V., **Keune, A.**, & Pepler, 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.**, Pepler, K. (2016). Design Playshop: Preschoolers Making, Playing and Learning with Squishy Circuits. In K. Pepler, 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

### Practitioner Reports (\*Open Access)

- \* Pepler, K., **Keune, A.**, & Dahn, M. (2019). *AIISL 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.
- Pepler, K., **Keune, A.**, & Han, A. (2019) *AIISL II CNS Phase 1 Learning Sciences Research Report*. Project deliverable for National Science Foundation project #1713567.
- \* Pepler, K., **Keune, A.**, & Chang, S. (2018). *Open portfolios research brief series 2*. Oakland, CA: Maker Education Initiative.
- \* Chang, S., **Keune, A.**, Pepler, 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.