

# Deborah A. Fields

## Personal Information

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### Contact Information:

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Instructional Technology & Learning Sciences  
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<https://cehs.usu.edu/itls/people/deborah-fields>

## Education

- Ph.D. **University of California, Los Angeles** 2010  
Psychological Studies in Education  
Graduate School of Education & Information Studies  
Thesis Title: *Trajectories of Identification Across Social Spaces: Intersections Between Home, School, and Everyday Settings*  
Dissertation Committee: Noel Enyedy (chair), Frederick Erickson, Sharon Traweek, Kris Gutiérrez (University of Colorado-Boulder) & Yasmin Kafai (University of Pennsylvania)
- M.S. **University of Wisconsin-Madison** 2002  
Curriculum and Instruction: Multicultural Education  
Thesis Title: *An Exploratory Study of Advanced Astronomy Camp*  
Master Thesis Committee: Julia Koza (chair), Mary L. Gomez, and James Stewart
- B.A. **Wheaton College** 1998  
Wheaton, IL  
Christian Education & Ministry, Biblical & Theological Studies  
*Summa cum laude*

## Academic Positions Held

- Research Professor, Instructional Technologies and Learning Sciences** 2025-present  
Emma Eccles Jones College of Education & Human Services,  
Utah State University, Logan, Utah
- Associate Research Professor, Instructional Technologies and Learning Sciences** 2018-2025  
Emma Eccles Jones College of Education & Human Services,  
Utah State University, Logan, Utah
- Temporary Assistant Professor, Instructional Technologies and Learning Sciences** 2015-2018  
Emma Eccles Jones College of Education & Human Services,  
Utah State University, Logan, Utah
- Adjunct Instructor** Spring 2016  
University of Pennsylvania, Philadelphia PA  
Video Games & Learning (*first online-only course at Graduate School of Education, Penn*)
- Assistant Professor of Instructional Technologies and Learning Sciences** 2012-2015

Emma Eccles Jones College of Education & Human Services,  
Utah State University, Logan, Utah

<b>Postdoctoral Research Fellow</b>	2010-2012
University of Pennsylvania, Philadelphia PA	
Preparing the next generation of computational thinkers ( <i>NSF: #1027736</i> )	
Computational textiles as materials for creativity ( <i>NSF: #0855868</i> )	
<b>Graduate Student Researcher</b>	
University of California, Los Angeles, CA	
Investigating science simulations in virtual worlds ( <i>NSF: #0411814; MacArthur Foundation</i> )	2006-2009
Community Mapping Project ( <i>NAE/Spencer Postdoctoral Fellowship</i> )	2006-2008
Center for Embedded Networked Sensing Education Infrastructure ( <i>NSF</i> )	2005-2006
<b>Program Evaluator</b>	
Program Evaluation and Research Branch, Los Angeles Unified School District	2004-2005
<b>Senior Research Scientist (Consulting)</b>	
University of Pennsylvania, Philadelphia PA	2015-present
Teachers College, Columbia University	2018-present
University of California, Irvine	2023-present
Stanford University	2015-2018

### Fellowships and Awards *since 2012*

ITLS Faculty Teacher of the Year	2023
Honorable Mention Best Paper, FabLearn/Constructionism 2023	2023
ICLS Best Student Paper award (mentor of & co-author with lead student author)	2021
NSF STEM Diversity and Inclusion Video Exhibition: Experts Choice Winner, PreK-12 Education <i>Stitching the Loop</i> , \$2500 *video editing by USU masters student <i>Matthew Havertz</i>	2020
ITLS Faculty Teacher of the Year	2020
Fellow, International Society of Design and Development in Education	2019
Emma Eccles Jones College of Education and Human Services Graduate Mentor of the Year Award (Utah State University)	2016
<i>Journal of the Learning Sciences</i> Early Career Reviewer of the Year	2015
Best Student Paper for Media Culture & Curriculum SIG at AERA (mentor of & co-author with lead student author)	2013
Early Career Workshop: International Conference of Computer Supported Collaborative Learning, Travel Fellowship	2013
Learning Analytics Summer Institute: Travel Fellowship	2013

## Research and Scholarly Activities

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### Research Support

#### *With USU*

<b>Social Sciences and Humanities Research Council of Canada</b> (\$164,962 + \$103,000 in cash/in-kind contributions)	2013-2019
<i>Children's Do-It-Yourself-Media: Insight and Connection</i> (\$34,451 CAD).	

Partnership grant between the University of Toronto (Sara Grimes, PI) and USU (Deborah Fields, co-PI), Additional partners with \$103,000 in cash/in kind contributions include the Joan Ganz Cooney Center at Sesame Workshop, Common Sense Media, Media Smarts, Zinc Roe Inc., Storybird Inc., Alyssa Antle (Simon Fraser University), Toronto International Film Festival.

**National Science Foundation (#1319938, \$549,999)** 2013-2016  
*Macro Data for Micro Learning: Developing FUN! for Automated Assessment of Computational Thinking in Scratch (\$549,999).*  
 PIs: Deborah Fields (PI) and Taylor Martin (co-PI).

**Wyoming Department of Education (\$235,000)** 2013-2015  
*Teton County School District Math Science Partnership STEM/Digital Fabrication Lab Project (\$80,000).*  
 PIs: Taylor Martin (PI) and Deborah Fields (co-PI).

**USU College of Education, Dean's Office (\$8,000)** 2013-2015  
*Maker Camp and E-textiles in the Classroom.*  
 Financial support from the Dean's office, (College of Education, USU) for creating and researching a week-long Maker Camp for non-dominant youth (\$6000) in Logan, UT and for travel funding (\$2000, shared with Dr. Colby Tofel-Grehl) for a quasi-experimental study implementing e-textile design in middle school science classes in Jackson, WY.

#### *As Senior Researcher (Consultant)*

**National Science Foundation (#2342438, \$499,943.00).** 2024-2025  
*Auditing Machine Learning Applications for Algorithmic Justice with Computer Science High School Students and Teachers . Originally through 2027; terminated April 2025.*  
 PIs: Yasmin Kafai, Danaë Metaxa  
 Role: Senior research scientist and co-author of grant

**Elizabeth Dole Foundation (\$75,000).** 2023-2024  
*Identifying Virtual Sites of Peer Support for "Hidden Helpers", Children of Veterans Supporting Their Families*  
 PI: Katie Salen  
 Role: Senior research scientist

**Spencer Foundation Small Grant (\$50,000).** 2023-2025  
*Learners, Leaders, and Researchers: Experienced High School Teachers' Unique Trajectories and Development in K-12 Computer Science Education*  
 PIs: Yasmin Kafai and Joanna Goode  
 Role: Senior research scientist and co-author of grant.

**National Science Foundation (#2031244, \$446, 460).** 2020-2024  
*E-Facilitation Partnerships: Developing Scalable Online Professional Development for Expanding CS Teacher Expertise in Equity and Pedagogy with eTextiles.*  
 PIs: Yasmin Kafai, Joanna Goode, and Kirsten Petersen  
 Role: Senior research scientist and co-author of grant.

**National Science Foundation (#2031748, \$199,306).** 2020-2022  
*RAPID: Virtual Epidemics for Promoting Upper Elementary and Middle School Students? Immersion and Inquiry into Pandemic Outbreaks*  
 PI: Yasmin Kafai.  
 Role: Senior research scientist and co-author of grant.

**Google (93661902 CS-ER, \$150,000)** 2018-2019

*MADE (Music—Art—Design with E-textiles) to promote computer science learning for students in regular, career and technical education at high schools (Co-PI)*

PIs: Yasmin Kafai (PI) and Deborah Fields (co-PI).

**National Science Foundation (#1742140, \$852,125)** 2017-2021

*Debugging by Design: Developing a Tool Set for Learning and Teaching Debugging with Electronic Textiles to Promote Computational and Engineering Thinking in High School.*

PIs: Yasmin Kafai and Michael Eisenberg.

Role: Senior research scientist and co-author of grant.

**National Science Foundation (#1509245, \$835,205)** 2015-2018

*ET-ECS: Electronic Textiles for Exploring Computer Science with High School Students & Teachers to Promote Computational Thinking and Participation for All.*

PIs: Yasmin Kafai, Joanna Goode, and Jane Margolis.

Role: Senior research scientist and co-author of grant.

**National Science Foundation (#1506724, \$179,110)** 2015-2017

*Learning about Infectious Diseases through Online Participation in a Virtual Epidemic.*

PIs: Yasmin Kafai (PI), Nina Fefferman (co-PI), and Jen Sun (co-PI).

Role: Senior research scientist and co-author of grant.

## Publications

*Notation:* \*signifies graduate student, †signifies undergraduate student, underline signifies that leadership in design of the study (methods and intervention if applicable)

### Books *Refereed*

Blikstein, P. & **Fields, D. A.** with Sipitakiat, A., Tutiyaaphuengprasert, N., Morales-Navarro, L.,\* Rosenbaum, L., and Russo, R.\* (2026). *The Society that Learns: Constructionism and Lifelong Learning in Thailand.* MIT Press.

Kafai, Y. B. & **Fields, D. A.** (2013). *Connected Play: Tweens in a Virtual World.* Cambridge, MA: MIT Press.

### Journal Articles *Refereed*

**Fields, D. A.**, Kafai, Y. B., de la Rose, Y.\*, Goode, J. (2026). The Situated Nature of a Computer Science Teacher's Persistent Engagement over a Decade: A Lines of Practice Perspective of Learning, Teaching, and Leading. *Learning, Culture & Social Interaction*, 58, 101005. <https://doi.org/10.1016/j.lcsi.2026.10100>

Morales-Navarro, L.\*, **Fields, D. A.**, Kafai, Y. B., Barapatre, D.\* (2025). Assessing changes in thinking about troubleshooting in physical computing: A clinical interview protocol with failure artifacts scenarios. *Information and Learning Sciences*, 126 (3/4), pp. 286-312. <https://doi.org/10.1108/ILS-06-2024-0075>

Morales-Navarro, L.\*, **Fields, D. A.**, & Kafai, Y. B. (2025). Understanding growth mindset practices in an introductory physical computing classroom: High school students' engagement with Debugging by Design Activities. *Computer Science Education*, 25(4), 695-725. <https://doi.org/10.48550/arXiv.2402.01885>

Lui, D., **Fields, D. A.**, & Kafai, Y. B. (2024). Collaborative troubleshooting in STEM: A case study of high school students finding and fixing code, circuit and craft challenges in electronic textiles. *Cognition and Instruction*, 42(3), pp 359-398. <https://doi.org/10.1080/07370008.2024.2334697>

- Jayathirtha, G.\*, **Fields, D. A.**, & Kafai, Y. B. (2024). Distributed debugging with electronic textiles: understanding high school student pairs' problem-solving strategies, practices, and perspectives on repairing physical computing projects, *Computer Science Education*, 34(4), pp. 718-752. DOI: [10.1080/08993408.2023.2297738](https://doi.org/10.1080/08993408.2023.2297738)
- Fields, D. A.** & Kafai, Y. B. (2023). Supporting and sustaining equitable STEAM activities in high school classrooms: Understanding computer science teachers' needs and practices when implementing an e-textiles curriculum to forge connections across communities. *Sustainability*, 15(11) <https://doi.org/10.3390/su15118468> Available at <https://www.mdpi.com/2071-1050/15/11/8468>
- Morales-Navarro, L.\*, Giang, M., **Fields, D. A.**, & Kafai, Y. B. (2023). Connecting beliefs, mindsets, anxiety, and self-efficacy in computer science learning: An instrument for capturing secondary school students' self-beliefs. *Computer Science Education*. <https://doi.org/10.1080/08993408.2023.2201548>
- Hansen, T.\*, **Fields, D. A.**, Strawhacker, A., & Kafai, Y. B. (2023). Immersive Learning through Experience and Inquiry of Virtual Epidemics: The Curricular Unit of SPIKEY-20. *The Science Teacher*, 90(3), pp. 33-39. Available at <https://www.nsta.org/science-teacher/science-teacher-januaryfebruary-2023/immersive-learning-through-experiential>
- Fields, D. A.**, Morales-Navarro, L.\* & Blikstein, P. (2022). The village that learns: A learning journey across intraventions and domains over two decades in a rural Thai community. *Mind, Culture, and Activity*, 29(3), 191-214. Available at [https://digitalcommons.usu.edu/itls\\_facpub/840/](https://digitalcommons.usu.edu/itls_facpub/840/), <https://doi.org/10.1080/10749039.2022.2138441>
- Kafai, Y. B., Xin, Y.\*, **Fields, D. A.**, Tofel-Grehl, C. (2022). Teaching and learning about infectious disease: A Scoping Review of Interventions in K-12 Education. *Journal of Research in Science Teaching*, 59(7), pp. 1274-1300. <http://dx.doi.org/10.1002/tea.21797>
- Fields, D. A.**, Strawhacker, A., Giang, M., Kafai, Y. B., Tofel-Grehl, C., Hansen, T.\*, Sun, J., & Dinan, M. (2022). Pandemics & people: Designing a virtual epidemic event for immersive, connected, and playful participation in an infectious disease outbreak. *Educational Designer*, 15, available at <https://www.educationaldesigner.org/ed/volume4/issue15/article59/>
- Fields, D. A.**, Kafai, Y. B., Morales-Navarro, L.\*, & Walker, J. T. (2021). Debugging by Design: A constructionist approach to high school students' crafting and coding of electronic textiles. *British Journal of Educational Technology*, 52(3), 1078-1092.
- Fields, D. A.**, Lui, D., Kafai, Y. B., Jayathirtha, G.\*, Walker, J. T., & Shaw, M.\* (2021). Communicating about computational thinking: Understanding affordances of portfolios for assessing high school students' computational thinking and participation practices. *Computer Science Education*, 3(2), 224-258.
- Shaw, M.\*, **Fields, D. A.**, & Kafai, Y. B. (2020). Leveraging local resources and contexts for inclusive computer science classrooms: Reflections from experienced high school teachers implementing electronic textiles. *Computer Science Education*, 30(3), 313-336. <https://doi.org/10.1080/08993408.2020.1805283>
- Phonethibsavads, T., Dahn, M., **Pepler, K.**, **Fields, D. A.**, & Kafai, Y. (2020). Consensual assessment in the new domain of e-textiles: Comparing insights from expert, quasi-expert, and novice judges. *Psychology of Aesthetics, Creativity, and the Arts*, 17(1), 43-55. Available at <https://doi.org/10.1037/aca0000370>

- Jayathirtha, G.\*, **Fields, D. A.**, Kafai, Y. B., Chipps, J. (2020). Supporting making online: The role of artifact, teacher, and peer interactions in crafting electronic textiles. *Information and Learning Sciences*, 121 (5/6), 381-390. <https://doi.org/10.1108/ILS-04-2020-0111>
- Lindberg, L.\* , **Fields, D. A.** & Kafai, Y. B. (2020). STEAM maker education: Conceal/reveal of personal, artistic and computational dimensions in high school student projects. *Frontiers in Education*. Available online at <https://doi.org/10.3389/educ.2020.00051>
- Lui, D., Walker, J. T.\* , Hanna, S., Kafai, Y.B., **Fields, D. A.**, & Jayathirtha, G.\* (2019). Communicating computational concepts and practices within high school students' portfolios of making electronic textiles. *Interactive Learning Environments*, 28(3), 284-301. <https://doi.org/10.1080/10494820.2019.1612446>
- Kafai, Y. B., **Fields, D. A.**, Ellis, E.† (2019). The ethics of play and participation in a tween virtual world: Cheating practices and perspectives in the Whyville community. *Cognitive Development*, 49(1), 33-42.
- Shaw, M.\* , **Fields, D. A.**, & Kafai, Y. B. (2019). Crafting identities: Portfolios as meta-artifacts for narrating selves in portfolios in an e-textiles class. *International Journal of Multicultural Education*, 21(1), 22-41.
- Fields, D. A.**, Kafai, Y.B., Nakajima, T. M.\* , Goode, J., & Margolis, J. (2018). Putting making into high school computer science classrooms: Promoting equity in teaching and learning with electronic textiles in *Exploring Computer Science. Equity, Excellence, and Education*, 51(1), 21-35. <https://doi.org/10.1080/10665684.2018.1436998>
- Magnifico, A., Lammers, J. & **Fields, D. A.** (2017). Affinity spaces, literacies, and classrooms: Tensions and opportunities. *Literacy*, 52(3), 145-152. <https://doi.org/10.1111/lit.12133>
- Lee, V. R. & Fields, D. A. (2017). A rubric for describing competences in the areas of circuitry, computation, and crafting after a course using e-textiles. *International Journal of Information and Learning Technology*, 34(5), 372-384.
- Fields, D. A.**, Kafai, Y. B., & Giang, M. T. (2017). Youth computational participation in the online Scratch community: Problematizing experience and equity in participation and programming. *Transactions of Computing Education*, 17(3), Article 15.
- Tofel-Grehl, C., Fields, D. A., Searle, K., Maahs-Fladung, C., Feldon, D., Gu, G.\* , & Sun, V.\* (2017). Electrifying engagement in middle school science class: Improving student interest through e-textiles. *Journal of Science Education and Technology*, 26(4), 406-417.
- Blikstein, P., Kabayadondo, Z., Martin, A., & Fields, D. A. (2017). An assessment instrument of technological literacies in makerspaces and FabLabs. *Journal of Engineering Education*, 106(1), 149-175. doi:10.1002/jee.20156
- Tofel-Grehl, C. & **Fields, D. A.** (2015). Sewing up science: A craft based approach for teaching electricity and circuits. *The Science Teacher*, 82(8), 45-49.
- Fields, D. A.**, Vasudevan, V.\* , Kafai, Y. B. (2015). The programmers' collective: Fostering participatory culture by making music videos in a high school Scratch coding workshop. *Interactive Learning Environments*, 23(5), 1-21.
- Grimes, S. M & **Fields, D. A.** (2015). Children's media making, but not sharing: The potential and limitations of child-specific DIY media websites for a more inclusive media landscape. *Media International Australia*, 154, 112-122.

Kafai, Y. B., **Fields, D. A.**, & Searle, K. A.\* (2014). Electronic textiles as disruptive designs in schools: Supporting and challenging maker activities for learning. *Harvard Educational Review*, 84(4), 532-556. doi:10.17763/haer.84.4.46m7372370214783

**Fields, D. A.**, Magnifico, A. M., Lammers, J. C., & Curwood, J. S. (2014). DIY media creation. *Journal of Adolescent and Adult Literacy*, 58(1), 19-24.

Kafai, Y. B., Lee, E., Searle, K. S.\*, **Fields, D. A.**, Kaplan, E.†, & Lui, D.\* (2014). A crafts-oriented approach to computing in high school. *ACM Transactions of Computing Education*, 14(1). 1-20. doi:10.1145/2576874

**Fields, D. A.** & Enyedy, N. (2013). Picking up the mantle of “expert”: Assigned roles, assertion of identity, and peer recognition within a programming class. *Mind, Culture, and Activity: An International Journal*, 20(2), 113-131.

\*Featured in NSF-sponsored Research to Practice Brief: [www.research2practice.info](http://www.research2practice.info)

Kafai, Y. B., **Fields, D. A.**, Roque, R.\*, Burke, W. Q.\*, & Monroy-Hernández, A.\* (2012). Collaborative agency in youth online and offline creative production in Scratch. *Research and Practice in Technology Enhanced Learning*, 7(2), 63-87.

Enyedy, N., Danish, J. & **Fields, D. A.** (2011). Negotiating the “relevant” in culturally relevant mathematics. *Canadian Journal of Mathematics*, 11(3), 273-291.

\*One of the top-downloaded papers in the *Canadian Journal of Mathematics* in 2011-12.

Kafai, Y. B., **Fields, D. A.**, & Burke, W. Q.\* (2010). Entering the clubhouse: Case studies of young programmers joining the online Scratch communities. *Journal of Organizational and End-User Computing*, 22(2), 21-35.

Kafai, Y. B., **Fields, D. A.** & Searle, K. A.\* (2010). Multi-modal investigations of relationship play in virtual worlds. *International Journal of Gaming and Computer-Mediated Simulations*, 2(1), 40-48.

**Fields, D. A.** & Kafai, Y. B. (2010). Knowing and throwing mudballs, hearts, pies, and flowers: A connective ethnography of gaming practices. *Games and Culture*, 5(1), 88-115.

**Fields, D. A.** & Kafai, Y. B. (2010). Stealing from Grandma or generating knowledge? Contestations and effects of cheating in Whyville. *Games and Culture*, 5(1), 64-87.

Kafai, Y. B., **Fields, D. A.**, & Cook, M. S. (2010). Your second selves: Avatar designs and identity play. *Games and Culture*, 5(1), 23-42.

Kafai, Y. B., **Cook, M. S.** & **Fields, D. A.** (2010). “Blacks deserve bodies too!” Design and discussion about diversity and race in a tween virtual world. *Games and Culture*, 5(1), 43-63.

Kafai, Y. B. & **Fields, D. A.** (2009). Cheating in virtual worlds: Transgressive designs for learning. *On Horizon*, 17(1), 12-20.

**Fields, D. A.** & Kafai, Y. B. (2009). A connective ethnography of peer knowledge sharing and diffusion in a tween virtual world. *International Journal of Computer Supported Collaborative Learning*, 4(1), 47-68. doi:10.1007/s11412-008-9057-1

**Fields, D. A.** (2009). What do students gain from a week at science camp? Youth perceptions and the design of an immersive research-oriented astronomy camp. *International Journal of Science Education* 31(2), 151-171.

Feldon, D. F., with Litson, K., **Fields, D. A.**, Clark, H., Gale, L.\* , Brockbank, R.\* , & Cahoon, B. † (2024). Idiographic Measures. In Feldon, D. F. *Mixed methods for psychological measurement: Using critical realism to reframe incommensurability*. New York, NY: Routledge.

Feldon, D. F., with Kim, Y. M., Litson, K., Ramadan, N.\* , **Fields, D. A.**, & Brockbank, R.\*(2024). Idiographic Moderation in Measurement Models. In Feldon, D. F. *Mixed methods for psychological measurement: Using critical realism to reframe incommensurability*. New York, NY: Routledge

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**Fields, D. A.**, Kafai, Y. B., Aguilera, E., Slater, S.\* & Walker, J.\* (2021). Perspectives on Scales, Contexts and Directionality of Collaborations in and around Virtual Worlds and Video Games. In U. Cress, C. Rose, A. F. Wise, & J. Oshima (Eds.) *Handbook of Computer Supported Collaborative Learning*. Springer. 371-388.  
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**Fields, D. A.** & Grimes, S. M. (2020). Shaping learning online for making and sharing children’s DIY media. In N. Holbert, M. Berland, & Y. Kafai (Eds.), *Designing constructionist futures: The art, theory, and practice of learning designs*. Cambridge, MA: MIT Press, pp. 255-264.

**Fields, D. A.** & Kafai, Y. B. (2020). Hard fun with hands-on constructionist project-based learning. In S. Grover (Ed.). *Computer Science in K-12: An A to Z handbook on teaching programming*, Palo Alto, CA: Edfinity, pp. 75-82.

**Fields, D. A.**, Lui, D., & Kafai, Y. B. (2019). Teaching computational thinking with electronic textiles: Modeling iterative practices and supporting personal projects in Exploring Computer Science. In S. C. Kong & H. Abelson, (Eds.) *Computational Thinking Education*, Singapore: Springer Nature, pp. 279-294.

Kafai, Y. B., **Fields, D. A.**, & Searle, K. S. (2019). Understanding media literacy and DIY creativity in youth digital productions. In R. Hobbs & P. Mihailidis (Eds), *The International Encyclopedia of Media Literacy*. Hoboken, New Jersey: John Wiley & Sons, Inc. DOI: 10.1002/9781118978238.ieml0058 Available at: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/9781118978238.ieml0058>

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**Fields, D. A.** & Kafai, Y. B. (2018). Games in the learning sciences: Reviewing evidence from playing and making games for learning. In Fisher, F., Hmelo-Silver, C., & Reiman, P. (Eds.), *International Handbook of the Learning Sciences*. New York, NY: Routledge, pp. 276-284.  
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**Fields, D. A.** & Grimes, S. M. (2018). Pockets of freedom, but mostly constraints: Emerging trends in children’s DIY media platforms. In *Children, Media and Creativity: The International Clearinghouse on Children*, Sweden: Nordicom, 159-172.

- Reviewed by Jarc, J. (2020), *Communication Research Trends* 39 (2): 28-31.

**Fields, D. A.** (2017). Educational Camps. In K. Peppler (Ed), *SAGE Encyclopedia of Out of School Learning*. New York, NY: Sage, 243-244.

**Fields, D. A.** & Searle, K. A. (2017). Chatrooms. In K. Peppler (Ed), *SAGE Encyclopedia of Out of School Learning*. New York, NY: Sage, 79-80.

**Fields, D. A.**, Kafai, Y. B., & Giang, M. T. (2016). Participation by choice: A transitional analysis of patterns in social networking and coding contributions in the online Scratch community. In U. Cress, H. Jeong, & J. Moskaliuk (Eds.) *Mass Collaboration and Education*, New York, NY: Springer, pp. 209-240.

- Howell, J., Tofel-Grehl, C., **Fields, D. A.**, & Ducamp, G. J.\* (2016). E-textiles to teach electricity: An experiential, aesthetic, handcrafted approach to science. In Williams, C. (Ed.). *Teacher Pioneers: Visions from the Edge of the Map*. Pittsburgh, PA: ETC Press, 232-245.
- Fields, D. A.** & Lee, V. R. (2016). Craft Technologies 101: Bringing making to higher education. In Peppler, K., Halverson, E., & Kafai, Y. B. (Eds). *Makeology: Makerspaces as Learning Environments, Volume 1*. New York, NY: Routledge, pp. 121-137.
- Searle, K. A.,\* **Fields, D. A.**, & Kafai, Y. B. (2016). Is sewing a “girls’ sport”? Addressing gender issues in making with electronic textiles. In Peppler, K., Halverson, E., & Kafai, Y. B. (Eds). *Makeology: Makers as Learners, Volume 2*. New York, NY: Routledge, pp. 72-84.
- Kafai, Y. B., **Fields, D. A.**, & Searle, K.\* (2013). Making the connections visible: Crafting, circuitry, and coding in high school e-textile workshops. In Buechley, L., Peppler, K., Eisenberg, M. & Kafai, Y. (Eds). *Textile Messages: Dispatches from the World of E-Textiles and Education*, New York: Peter Lang, 85-94.
- Fields, D. A.** & Kafai, Y. B. (2013). Creative play in virtual worlds: Avatar and cheat designs and performances. In C. Mouza and N. Lavigne (Eds.) *Emerging Technologies for the Classroom: A Learning Sciences Perspective*. New York: Springer, 239-252.
- Kafai, Y. B. & **Fields, D. A.** (2013). Collaboration in informal learning environments: Access and participation in youth virtual communities. In C. Hmelo-Silver, A. O’Donnell, C. Chan, & C. Chinn (Eds.), *International Handbook of Collaborative Learning*. New York: Taylor & Francis, 480-494.
- Fields, D. A.** & Kafai, Y. B. (2012). Navigating life as an avatar: The shifting identities-in-practice of a girl player in a tween virtual world. In C. C. Ching & B. Foley (Eds.) *Constructing the self in a digital world*, Cambridge, UK: Cambridge University Press, 222-250.
- Giang, M. T., Kafai, Y. B., **Fields, D. A.**, & Searle, K. A.\* (2012). Social interactions in virtual worlds: Patterns and participation of tween relationship play. In J. Fromme & A. Unger (Eds.), *Computer games and new media cultures: A handbook on the state and perspectives of digital games studies*. New York: Springer Verlag, 543-556.
- Kafai, Y., Feldon, D., **Fields, D. A.**, Giang, M., & Quintero, M. (2007). Life in the time of Whyfox: A virtual epidemic as a community event. In C. Steinfeld, B. Pentland, M. Ackerman, & N. Contractor (Eds.) *Communities and Technologies*, Berlin: Spring Verlag, 171-190.

### Conference Proceedings *Refereed*

In my sub-discipline and in the ITLS department, full and short papers published in the proceedings of top-ranked, ACM (Association of Computer Machinery) conferences are considered equivalent to high-impact journal articles. They are archived in the ACM Digital Library and considered final archival publications.

### Full Papers in ACM Digital Library

- Noh, D. J.\*, **Fields, D. A.**, Morales-Navarro, L.\*, Cabrera-Sutch, A. M., Kafai, Y., Metaxa, D. (2025). Youth as Advisors in Participatory Design: Situating Teens’ Expertise in Everyday Algorithm Auditing with Teachers and Researchers. IDC ’25: Proceedings of the 24<sup>th</sup> Interaction Design Conference. ACM, pp. 415-428. <https://doi.org/10.1145/3713043.372884>

Morales-Navarro, L.\*, Fields, D. A., Barapatre, D.\*, Kafai, Y. B. (2024). Failure Artifact Scenarios to Understand High School Students' Growth in Troubleshooting Physical Computing Projects. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1 (SIGCSE 2024)*, March 20-23, 2024, Portland, OR, USA. <https://doi.org/10.1145/3626252.3630855>

Fields, D. A., Kafai, Y. B., & De La Rosa-Walcott, Y.\* (2023). When good gets better: Experienced computer science teachers' reflections on implementing e-textiles in their classrooms as a vehicle for advancing equity. *Proceedings of Constructionism/FabLearn 2023*. ACM, New York, Article No.: 7, pp. 1-6, <https://dl.acm.org/doi/10.1145/3615430.3615445>

Rosenbaum, L., Fields, D. A., Morales-Navarro, L.\*, & Blikstein, P. (2023). The Transformational Power of Everyday Representations as Objects-to-Think-With in a Thai Farmer's Life". In the proceedings of *Constructionism/FabLearn 2023*. ACM, Article No.:4, pp. 1-5. <https://doi.org/10.1145/3615430.3615441>

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Kafai, Y. B., Fields, D. A., Lui, D., Walker, J. T.\*, Shaw, M.\*, Jayathirtha, G.\*, Nakajima, T.\*, Goode, J., & Giang, M. T. (2019). Stitching the loop with electronic textiles: Promoting equity in high school students' competencies and perceptions of computer science. In SIGCSE '19, *Proceedings of the 50th ACM Technical Symposium on Computer Science Education*. ACM: New York, NY, pp. 1176-1182).

*\*Selected as one of four papers in special session on education at SIGGRAPH 2019.*

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Fields, D. A., Kafai, Y. B., Giang, M. T., Fefferman, N., & Wong, J. (2017). Plagues and people: Engineering player participation and prevention in a virtual epidemic. In *FDG'17, International Conference on the Foundations of Digital Games*, Hyannis, MA, USA, August 14-17, 2017. New York, NY: ACM, Article 29, pp. 1-10. DOI: 10.1145/3102071.3102108

Pantic, K.\*, Fields, D. A., & Quirke, L. (2016). Studying situated learning in a constructionist programming camp: A multimethod microgenetic analysis of one girl's learning pathway. In *Proceedings of the The 15th International Conference on Interaction Design and Children* (pp. 428-439). ACM: New York, NY.

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Kafai, Y. B., **Searle, K. A. \***, Kaplan, E. †, **Fields, D. A.**, Lee, E., & Lui, D. \* (2013). Cupcake cushions, Scooby Doo shirts, and soft boomboxes: E-textiles in high school to promote computational concepts, practices, and perceptions. In *Proceedings of the 44th ACM technical symposium on Computer science education (SIGCSE '13)*. ACM, New York, NY, USA, 311-316.

**Kafai, Y. B.**, Griffin, J., **Burke, W. B. \***, Slattery, M., **Fields, D. A.**, Powell, R., Grab, M., Davidson, S. B. & Sun, J. S. (2013). Broadening participation in and perceptions of computing through cascading mentoring: Implementing a CS community service learning course. In *Proceedings of the 44th ACM technical symposium on Computer science education (SIGCSE '13)*. ACM, New York, NY, USA, 101-106.

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Luis Morales-Navarro\*, **Deborah Fields**, Michael T. Giang, Daniel J. Noh,\* Yasmin B. Kafai, and Danaé Metaxa. 2026. Understanding Teens' Self-beliefs when Learning to Construct and Deconstruct AI/ML Systems: Developing a Survey Instrument. In *Proceedings of the 25th Interaction Design and Children Conference (IDC '26)*, June 22–25, 2026, Brighton, United Kingdom. ACM, New York, NY, USA, 5 pages. <https://doi.org/10.1145/3773077.3812156>

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### Full & Short Papers in other peer-reviewed conferences

These papers are rigorously peer-reviewed by at least three external reviewers and have low acceptance rates (typically < 30% for ICLS, CSCL, IEEE conference). Papers are **full papers** unless otherwise noted as **[short]**.

- Noh, D. J., Fields, D. A., Kafai, Y. B., & Metaxa, D. (2026). " You Can Actually Do Something": Shifts in High School Computer Science Teachers' Conceptions of AI/ML Systems and Algorithmic Justice. *arXiv preprint arXiv:2602.16123*.
- Salen Tekinbaş, K., & **Fields, D. A.** (2025). Peer Power: Innovations in Virtual Peer Networks for Youth. In *Proceedings of the 2025 Connected Learning Summit*. Play Story Press. To be available at: <https://playstorypress.org/connected-learning-summit/>
- Searle, K. A., **Fields, D. A.**, Jiang, M.\*, Bamidele, B.\*, Harper, M.\* & Ahmad, W.\* (2025). Personal and Sociotechnical Tensions in Data Science: Mapping Indigenous Food Access in Middle School Social Studies. In *Proceedings of the 2025 Connected Learning Summit*. Play Story Press. To be available at: <https://playstorypress.org/connected-learning-summit/>
- Vogelstein, L., Konda, V.\*, **Fields, D.**, Kafai, Y., Morales-Navarro, L.\*, & Metaxa, D. (2025). Rapid Testing, Duck Lips, and Tilted Cameras: Youth Everyday Algorithm Auditing Practices with Generative AI Filters. In *Proceedings of the 19th International Conference of the Learning Sciences-ICLS 2025*, pp. 1844-1848. International Society of the Learning Sciences. Available at <https://2025.isls.org/proceedings/#proceeding0> [short]
- Rosenbaum, L. F., **Fields, D. A.**, Siptakiat, A., & Blikstein, P. (2024). Everyday Entry Points to Visual-spatial Thinking: Implications from a Thai Farmer’s Reservoir Planning. In Lindgren, R., Asino, T. I., Kyza, E. A., Looi, C. K., Keifert, D. T., & Suárez, E. (Eds.), *Proceedings of the 18th International Conference of the Learning Sciences - ICLS 2024* (pp. 1402-1405). International Society of the Learning Sciences. DOI: <https://doi.org/10.22318/icls2024.389667> [short]
- Jayathirtha, G., **Fields, D. A.**, Kafai, Y. B., Chapman, G., Goode, J., & Shaw, M.\* (2023). Weaving the societal and the technical into teacher experiences: Experienced computing high school teacher learning in an electronic textiles professional development session. In Blikstein, P., Van Aalst, J., Kizito, R., & Brennan, K. (Eds.) *Proceedings of the 17th International Conference of the Learning Sciences – ICLS 2023*, pp 345-352, Montreal, Canada: International Society of the Learning Sciences.
- Morales-Navarro, L.\*, Giang, M. T., Kafai, Y. B., & **Fields, D. A.** (2023). A Validated Survey Instrument for Secondary School Students’ Self-Beliefs in Computer Science: Measuring Interest, Identity, Mindset, and Emotion in Learning. In Blikstein, P., Van Aalst, J., Kizito, R., & Brennan, K. (Eds.) *Proceedings of the 17th International Conference of the Learning Sciences – ICLS 2023*, pp. 866-869, Montreal, Canada: International Society of the Learning Sciences. [short]
- Morales-Navarro, L.\*, **Fields, D. A.**, & Blikstein, P. (2022). “Keep it in the village”: A 25-year journey of collective concept formation transforming financial practices in a rural Thai village over 25 years. In Chinn, C., Tan, E., Chan, C., & Kali, Y. (Eds.). *Proceedings of the 16th International Conference of the Learning Sciences - ICLS 2022*. Hiroshima, Japan: International Society of the Learning Sciences (pp. 377-384). ISBN: 978-1-7373306-5-3. Available at <https://2022.isls.org/proceedings/>
- Morales-Navarro, L.\*, **Fields, D. A.**, Kafai, Y. B. (2021). Growing mindsets: Debugging by design as a learning environment for promoting high school students’ growth mindset practices in a computer science class. In de Vries, E., Hod, Y., & Ahn J. (Eds.). *Proceedings of the 15th International Conference of the Learning Sciences - ICLS 2021*. Bochum, Germany: International Society of the Learning Sciences, pp. 362-369. Available online at <https://2021.isls.org/proceedings/index.html>
- \*\*\*Best Student Paper—Naomi Miyake Award
- Fields, D. A.** & Kafai, Y. B. (2020). Debugging by Design: Students’ Reflections on Designing Buggy E-Textile Projects. In B. Tangney, J. Bryne, and C. Girvan (Eds.), *Proceedings of*

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- Fields, D. A.,** Grimes. S. M., Magnifico, A. Lammers, J. C., Gomez, K., & Curwood, J. S. (2013). What's next in studying online social networking? Future research directions for creative, DIY-based sites. *Proceedings of the Annual Conference 9.0 of Games + Learning + Society*, University of Wisconsin-Madison. <http://press.etc.cmu.edu/content/gls-90-conference-proceedings>
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## Symposia

Shuchi Grover, **Deborah Fields** (Moderator), Yasmin Kafai, Shana White, and Carla Strickland. (2024). Enduring Lessons from ‘Computer Science for All’ for AI Education in Schools. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2024)*, March 20– 23, 2024, Portland, OR, USA. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3626253.3631656>

Morales-Navarro, L.\*, Kafai, Y., .... **Fields, D. A.**, Blikstein, P. (2023). Productive designs for successful failure: Constructionist perspectives on supporting personally meaningful and culturally empowered learning and teaching. Symposium at Constructionism/FabLearn 2023. EDC.

Tissenbaum, M., Holbert, N. (co-organizers), Halverson, E. (discussant), .... **Fields, D. A.**, Kafai, Y. B., Butapetch, H., Ottina, J., Chapman, G.... many others (2023). Interactive tools for distributed community building and collaboration in maker education. In *Proceedings of the 16th International Conference on Computer-Supported Collaborative Learning-CSCL 2023*, pp. 347-355. International Society of the Learning Sciences.

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## Posters

**Fields, D. A.**, Kafai, Y. B., Giang, M. T., Fefferman, N., & Wong, J. (2017). The Dragon Swooping Cough: Mass community participation in a virtual epidemic within a tween online world. In B. Smith, M. Borge, E. Mercier & K. Y. Lim (Eds.) *Making a difference: Prioritizing equity and access in CSCL: 12<sup>th</sup> International Conference on Computer Supported Collaborative Learning*, Volume 2, Philadelphia, PA: International Society of the Learning Sciences, 865-866.

**Fields, D. A.**, Grimes, S. M., Magnifico, A., & Lammers, J. (2016). Designing for DIY: Talking through tensions, lessons, and questions to guide innovative learning environments. *GLS 12 Conference Proceedings*.

**Fields, D. A.** (2013). Researching productive connective sites where interest, learning, and identity intersect. In N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds), *To see the world and a grain of sand: Learning across levels of space, time, and scale: CSCL 2013 Conference Proceedings, Volume 2, Short Papers, Panels, Posters, Demos & Community Events*. International Society of the Learning Sciences: Madison, WI, 491-492.

DuMont, M.\* & **Fields, D. A.** (2013). Hybrid shmybrid: Using collaborative structure to understand the relationship between virtual and tangible elements of a computational craft. In N. Rummel, M. Kapur, M. Nathan, & S. Puntambekar (Eds), *To see the world and a grain of sand: Learning across levels of space, time, and scale: CSCL 2013 Conference Proceedings, Volume 2, Short Papers, Panels, Posters, Demos & Community Events*. International Society of the Learning Sciences: Madison, WI, 233-234.

**Fields, D. A.**, Kafai, Y. B., Searle, K. A.\* & Min, H. S.† (2012). Debuggems to assess student learning in e-textiles. *Proceedings of the 43rd ACM technical symposium on Computer Science Education*, p. 699.

Peppler, K. A., Glosson, D. A.\* , Kafai, Y. B., **Fields, D. A.**, & Searle, K.A.\* , (2011). Articulating creativity in a new domain: Expert insights from the field of e-textiles. In *Proceedings of the 8<sup>th</sup> ACM Conference on Creative and Cognition (C&C '11)*. ACM, New York, NY, 385-386.

- Fields, D. A.** & Kafai, Y. B. (2011). Crafting identities: E-Textile artifacts as mediators in high tech communities. In H. Spada, G. Stahl (Eds), N. Miyake, & N. Law (Eds), *Connecting computer-supported collaborative learning to policy and practices: CSCL11 community events proceedings, Vol. 2, Short Papers & Posters* International Society of the Learning Sciences, Hong Kong, China, 910-911.
- Kafai, Y. B. & **Fields, D. A.**, & Searle, K. A.\* (2011). Everyday creativity in novice e-textile designs: Remixing as interpretive flexibility. *ACM Creativity & Cognition*, Atlanta, GA, , pp. 353-354.
- Fields, D. A.** & Kafai, Y. B. (2009). From outcast to expert: Identities as a conceptual lens for studying learning through design across spaces. In A. Dimitracopoulou C. O'Malley, D. Suthers, P. Reimann (Eds.) *Computer supported collaborative learning practices: CSCL09 community events proceedings*, Rhodes, Greece: International Society of the Learning Sciences, 54-55.
- Fields, D. A.** (2009). Understanding identities across social spaces. In A. Dimitracopoulou C. O'Malley, D. Suthers, P. Reimann (Eds.) *Computer supported collaborative learning practices: CSCL09 community events proceedings*, Rhodes, Greece: International Society of the Learning Sciences, 249-251.
- Fields, D. A.** & Enyedy, N. D. (2008). Culturally relevant mathematics: Students' cultural engagement with statistics. In V. Jonker , A. Lazonder, & C. Hoadley (Eds.) *Proceedings of the Eighth International Conference of the Learning Sciences*, Utrecht, Netherlands: University of Utrecht.
- Fields, D. A.** & Kafai, Y. B. (2007). Illegitimate practices as legitimate participation: Game cheat sites in a tween virtual community. In C. Chinn, G. Erkins, and S. Puntambekar, (Eds.) *Proceedings of the Seventh Conference of Computer Supported Collaborative Learning*, New Brunswick, NJ: Rutgers University, 193-195.
- Fields, D. A.** (2006). Identities and astronomy camp: How individual campers make meaning of science experiences. In S. A. Barab, K. E. Hay & D. T. Hickey (Eds.), *Proceedings of the Seventh International Conference of the Learning Sciences*. Mahweh: NJ, 920-921.

## Reports & White Papers

- Blikstein, P. & **Fields, D. A.** (2021). *Principles and practices core to the success of the constructionist movement in Thailand*. Bangkok, Thailand: Suksapattana Foundation. Available at <https://tltlab.org/wp-content/uploads/2021/07/PrinciplesandPracticesThaiConstructionism-FullReport.pdf>
- Martin, H. T., **Fields, D. A.**, Brasiel, S., Strommer, A. (2013). Developing an Understanding of Design Thinking and Improving Teacher Pedagogical Content Knowledge in Science and Mathematics. Report provided to Teton County School District.
- Grimes, S. & **Fields, D.** (2012). *Kids online: A new research agenda for understanding social networking forums*. New York. The Joan Ganz Cooney Center at Sesame Workshop. Available online at <http://www.joanganzcooneycenter.org/reports-38.html>.

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## Curricula and Guides

- Butapetch, H., **Fields, D.**, Hanna, S., Landa, J., Morales-Navarro, L., Myers, T., Noh, D., Ottina, J., & Ulrich, A., with Kafai, Y. & Metaxa, D. (2025). *Introduction to Algorithm Auditing: Lessons for High School Computer Science (beta version)*. Available at: <https://bit.ly/k12aiaudit-lessons>

- Tofel-Grehl, C., Hansen, T., Kafai, Y. B., & **Fields, D. A.** (2020). Virtual Epidemic Curriculum for Middle School Grades 6-8. Online publication. Philadelphia, PA: University of Pennsylvania. Available at [https://drive.google.com/drive/folders/17J\\_NyBSoJIYVlkYQawcC1DJOelkADVm7?usp=sharing](https://drive.google.com/drive/folders/17J_NyBSoJIYVlkYQawcC1DJOelkADVm7?usp=sharing)
- Fields, D. A.**, Amely, J., Lindberg, L., Jayathirtha, G., Lui, D. & Kafai, Y. B. (2019). M.A.D.E: Intermediate E-textiles Guide: Fading LEDs. Exploring Computer Science. Available at <http://www.exploringcs.org/wp-content/uploads/2019/11/Module-for-Fading-LEDs--MADE.pdf>
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- Fields, D. A.**, Amely, J., Lindberg, L., Jayathirtha, G., Lui, D. & Kafai, Y. B. (2019). M.A.D.E: Intermediate E-textiles Guide: Mapping Sensors. Exploring Computer Science. Available at <http://www.exploringcs.org/wp-content/uploads/2019/11/Module-for-Mapping--MADE.pdf>
- Fields, D. A.**, Amely, J., Lindberg, L., Jayathirtha, G., Lui, D. & Kafai, Y. B. (2019). M.A.D.E: Intermediate E-textiles Guide: Music. Exploring Computer Science. Available at <http://www.exploringcs.org/wp-content/uploads/2019/11/Module-for-Music--MADE.pdf>
- Fields, D. A.**, Lindberg, L., Amely, J., Jayathirtha, G., Lui, D. & Kafai, Y. B. (2019). M.A.D.E: Intermediate E-textiles Guide: Conceal/Reveal Project. Exploring Computer Science. Available at [http://www.exploringcs.org/wp-content/uploads/2019/11/Conceal\\_Reveal-Community-Mural-Project.pdf](http://www.exploringcs.org/wp-content/uploads/2019/11/Conceal_Reveal-Community-Mural-Project.pdf)
- Grimes, S. M. & **Fields, D. A.** & Roger, S. (2019). Best Practices for Designing Connected, Digital DIY Media Platforms for Kids. The Kids Do-It-Yourself Media Partnership. Available at <https://cehs.usu.edu/itls/files/fields-kids-diy-media-best-practices.pdf>
- Fields, D. A.**, Landa, J., Nakajima, T., Kafai, Y. B., Goode, J., Margolis, J. & Ottina, J. (2018). *Stitching the Loop: An Electronic Textiles Unit in Exploring Computer Science*. Exploring Computer Science. Available at <http://exploringcs.org/e-textiles>.
- Fields, D. A.**, Nakajima, T., Amely, J., Landa, J., Amaya, P., & Ottina, J. (2018). *Stitching the Loop: A Resource Guide for using Electronic Textiles in Exploring Computer Science*. Exploring Computer Science. Available at <http://www.exploringcs.org/e-textiles/accompanying-resources>.

## Editorial Reviews and Columns

- Kafai, Y. B. & **Fields, D. A.** (2014). Connected play: Revealing the hidden lives of tweens online. *Computers in Entertainment*. <http://cie.acm.org/articles/connected-play-revealing-hidden-lives-tweens-online/>
- Fields, D. A.** (2013). Arguing against the underpinnings of Piaget's theory of development: A review of Erneling's *Towards Discursive Education: Philosophy, Technology, and Modern Education*. *Theory and Psychology*, 23 (6), pp. 855-856.

## In Preparation

- Kafai, Y. B., **Fields, D. A.**, Lui, D., Walker, J. T.\*, Shaw, M.\*, Jayathirtha, G.\*, Nakajima, T.\*, Goode, J., & Giang, M. T. (under review). Stitching the loop with electronic textiles: Promoting equity in high school students' competencies and perceptions of computer science. Journal submission.

- Searle, K. A. & **Fields, D. A.** (under review). Personal and Sociopolitical Tensions in Social Studies Data Science: Leveraging Technology to Study Indigenous Food Access in Middle School.
- Noh, D., **Fields, D. A.**, Kafai Y. B. & Goode, J. (under review). Warp, Weft, and While Loops: A Longitudinal Examination of the Life History of a High School CS Teacher Across Scales of Time.
- Fields, D. A.**, Morales-Navarro, L.\*, Jayathirtha, G., Lin, Y., Kafai, Y. B., Lee, E. (in preparation). Designing Bugs with Electronic Textiles: How High School Students Explore Physical Computing Systems through Debugging by Design. Journal submission.
- Salen Tekinbaş K. & **Fields, D. A.** (in preparation). Spaces of Care and Connection: A Review of Online Peer Support Networks for Children and Young People.

## Theses

- Fields, D. A.** (2010). *Trajectories of identification across social spaces: Intersections between home, school, and everyday settings*. Unpublished dissertation. University of California, Los Angeles.
- Fields, D. A.** (2002). *An exploratory study of advanced astronomy camp*. Unpublished master's thesis, University of Wisconsin-Madison.

Conference & Invited Presentations *National & International* [\*signifies graduate student, †signifies undergraduate student, ^signifies community engagement]

## Navigating Personal and Sociopolitical Tensions in Students' Engagements with Food Access Data

- Fields, D. A.** (2026, April). Making and constructionism in a Thai village. Invited presentation in EDUC 6180: Maker Education (Yasmin Kafai), University of Pennsylvania, Philadelphia, PA.
- Noh, D.\*, **Fields, D. A.**, Kafai, Y. B., Metaxa, D. (2026, April). "A Path to Activism": CS Teachers developing critical agency with algorithmic systems through algorithm auditing. AERA, Los Angeles, CA.
- Searle, K. A., **Fields, D. A.** Jiang, M.\*, Bamidele, B.\*, Harper, M.\*, Ahmad, W.\*, Griffin, E. † (2026, April). Navigating personal and sociopolitical tensions in students' engagements with food access data. AERA, Los Angeles, CA
- Fields, D. A.** (2026, January). Qualitative Research Methods. Day-long workshop. Institute for the Future of Education, Tecnológico de Monterrey, Monterrey, Mexico.
- Fields, D. A.**, Morales-Navarro, L.\*, Noh, D.\*, Kafai, Y.B. & Ottina, J. (2025, October). Workshop^: Investigating the Black Box of Artificial Intelligence and Machine Learning: Promoting Youth and Teacher Agency through Algorithm Auditing. Connected Learning Summit 2025.

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**Fields, D. A.** (2025, July). Learning about Algorithm Auditing: How High School Youth Can Systematically and Critically Evaluate Machine Learning Applications. Invited keynote presentation at the Annual Conference of the Computer Science Teachers Association, Cleveland, OH.

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**Fields, D. A.** & Tofel-Grehl, C. (2025, April). Quilting Migration Histories: Fostering Rightful Presence through Teacher and Student Agentic Design across Multiple Disciplines. AERA, Denver, CO.

Neurodiversity, Connected Learning, and AI (2025, February). Emani Dotch, Mimi Ito, Sohyeon Park, Annuska Zolyomi, and **Deborah Fields**. Invited symposium, Connected Learning Lab, University of California Irvine.

**Fields, D. A.**, Yang, R., Kafai, Y. B., & Metaxa, D. (2025, February). High School Computer Science Teachers' Views of Algorithmic Justice Situated in Computing, Personal, and Student Contexts. Poster presented at CreateAI, Philadelphia, PA.

Feldon, D., Min Kim, Y., Litson, K., Ramadan, N., **Fields, D. A.**, Brockbank, R. (2024, November). Moderating measurement models with mixed methods: Situating measurement in relational contexts. *Association for the Study of Higher Education's 2023 General Conference*.

**Deborah Fields** (Moderator, with Alexis Cobo, host), Shuchi Grover, Yasmin Kafai, Shana White, and Carla Strickland. (2024, June). Enduring Lessons from 'Computer Science for All' for AI Education in Schools. Invited virtual panel for CSforAll. Recording available at [https://drive.google.com/file/d/1fZOLmPcTNMVIWw\\_xtD8N6YFtwNTFg8cl/view](https://drive.google.com/file/d/1fZOLmPcTNMVIWw_xtD8N6YFtwNTFg8cl/view)

**Fields, D. A.** Invited Discussant (2024, April) in "Equity, Inclusion, and Ethics in Engineering and Computing Education," AERA 2024. Philadelphia, PA.

**Fields, D. A.**, Lui, D., Kafai, Y.B., Jayathirtha, G., Walker, J.T., & Shaw, M. (2024, April) Communicating about computational thinking: Understanding affordances of portfolios for assessing high school students' computational thinking and participation practices.. In D. Weintrop et al. (Chair), *Assessing Computational Thinking: Updates and Advances in the Field* [Symposium]. AERA, Philadelphia, PA.

**Fields, D. A.**, De La Rosa-Walcott, Y.\*, Kafai, Y. B. (2024, April). A Learning Ecology View of Experienced Computer Science Teachers' Challenges and Resourcefulness. In Rafi Santo, Sara Vogel, Chris Proctor & **Deborah Fields (Chairs)**, Expansive framings of "capacity building" in computing education: Agency, infrastructuring, and advocacy. AERA, Philadelphia, PA.

**Fields, D. A.** (2024, April). Constructionism in a Thai village. Invited presentation in EDUC 6180: Maker Education (Yasmin Kafai), University of Pennsylvania, Philadelphia, PA.

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**Fields, D. A.** (2023, December). Building Everyday STEM Practices in Rural Communities: Applying Constructionism in Thailand. Invited keynote presentation (virtual) at CISETC 2023: Congreso Internacional sobre Educación y Tecnología en Ciencias 2023. Zacatecas, México.

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Feldon, D., Litson, K., **Fields, D. A.**, Clark, H. (2023, November). A New Mixed Method Approach to Modeling Longitudinal Change from Interview Data. *Association for the Study of Higher Education's 2023 General Conference*.

**Fields, D. A.**, Morales-Navarro, L.\*, & Blikstein, P. (2023, April). Collective and Ecological "Making" in a Thai Village: A Decades-Long Water Management Project. AERA Annual Meeting, Chicago.

- Fields, D. A.,** Morales-Navarro, L.\*, & Giang, M. T. (2023, April). Designing for Debugging: A Constructionist Approach to Debugging in Electronic Textile Projects. AERA Annual Meeting, Chicago.
- Blikstein, P. & **Fields, D. A.** (2023, March). The society that learns: Thai Constructionism and the transformative journey to develop a culture of emancipatory learning in villages, schools, and industry. Invited presentation at the Communication, Media, and Learning Technologies Design Program Brown Bag Series. Teachers College, Columbia University, New York, NY.
- Ottina, J. & **Fields, D. A.** (2022, October). The Power of Art: Physical Computing, Student Engagement, & Joy (STEAM!). Workshop presented at CA STEAM Symposium, Anaheim, CA.
- Roldan W. (Moderator), Sobel, K., Pierre, J., Lombana-Bermudez, A. & **Fields, D. A.** (2022, July). “Exploring Pathways: Finding Your Place of Impact” panel at the Connected Learning Summit Rising Scholars Pre-Conference session.
- Strawhacker, A., Kafai, Y. B., **Fields, D. A.,** Tofel-Grehl, C. (2022, April). A Vaccination Drive for Fighting a Virtual Virus in the Online World of Whyville. AERA Annual Meeting, San Diego.
- Kafai, Y. B., Xin, Y.\* , **Fields, D. A.,** Tofel-Grehl, C. (2022, April). Texts, Tools, Games, and Simulations for Learning About Infectious Diseases: What Do We Know? AERA Annual Meeting, San Diego.
- Shaw, M.\* , Kafai, Y. B., **Fields, D. A.** (2022, April). Leveraging Local Resources for Inclusive Computer Science Classrooms: Reflections from Experienced High School Teachers Implementing E-Textiles. AERA Annual Meeting, San Diego.
- Morales-Navarro, L.\* , Jayathirtha, G.\* , **Fields, D. A.,** Kafai, Y. B. (2022, April). Supporting Equity at Home: Making Electronic Textiles in Online Classrooms. AERA Annual Meeting, San Diego.
- Fields, D. A.** (2022, March). E-textiles in schools: Curriculum, teaching and results of putting making in computing classrooms. Invited talk for Kaput Center, University of Massachusetts, Dartmouth.
- Fields, D. A.** & Ottina, J. (2022, February). E-textiles Unit in Exploring Computer Science. Invited presentation at *CS Across the Curriculum Summit*, CSTA, Virtual conference.
- Fields, D. A.** & Shaw, M.\* (2021, August). Behind the Magic: Teaching Practices that Lay Foundations for Engagement, Rigor, and Creativity in CS. Invited presentation and panel for *Programming the Acceleration of Computing and Equity (PACE) Equity Summit*. Education Development Center (EDC), Boston, MA.
- **Fields, D. A.** (2021, July). Personalization, Creativity & Aesthetics: Driving Learning in CS Projects. Invited keynote for Replit, Professional development workshop. Virtual event.  
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- Kafai, Y. B. & **Fields, D. A.** (organizers) (2021, July). Infectious Designs: Youth and Family Learning about COVID-19 with Popular and Social Media. Panel presentation at Connected Learning Summit 2021.
- Morales-Navarro, L.\* , Jayathirtha, G.\* , **Fields, D. A.,** & Kafai, Y. B. (2021, July). Making electronic textiles in online classrooms: Supporting equitable teaching practices at home. Panel presentation at Connected Learning Summit 2021.
- Tofel-Grehl, C., **Fields, D.,** Kafai, Y., Strawhacker, A., Hansen, T., & Giang M. (2021). Making connections to COVID: Students' sensemaking about prevention and behavior in a virtual epidemic. Paper presented at *ESERA 2021: Fostering scientific citizenship in an uncertain world*. Available at <https://usu.box.com/s/2seal5u4yg58orx5510kjhya8ux1zpzj>

- Fields, D. A.** (2021, January). E-textiles in the Classroom. Invited presentation at The Future of CS Summit: Emerging Concepts in CS Education. CSTA: Virtual.
- Lindberg, L. E.\*, **Fields, D. A.** & Kafai, Y. B. (2020, April) *Expressing Student Voice Through Musical Electronic Textiles: Lamination as a Framework for Meaningful Design* [Structured Poster Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/y2kh4xjn>(Conference Canceled)
- Fields, D. A.**, Kafai, Y. B., Lui, D., Shaw, M., Jayathirtha, G. & Walker, J. T. (2020, April) Supporting Computer Science Engagement and Learning Through Reflective, Process-Based Portfolio Assessments [Structured Poster Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/y3kvjcfh> (Conference Canceled).
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- Fields, D. A.** (2019, December). Mischievous cheating for serious learning. Invited keynote at the CISTEC Congress. Arequipa, Peru.
- Fields, D. A.** (2019, December). Designing constructionist activities for classrooms. Invited workshop at the CISTEC Congress. Arequipa, Peru.
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- Fields, D. A.** & Grimes, S. M. (2019, October). Best practices for designing kids DIY media sites. Presentation at the Connected Learning Summit. Irvine, CA.
- Fields, D. A.** & Kafai, Y. B. (Organizers), Keune, A., Peppler, K., Shaw, M., Coleman, J., Lindberg, L., Dahn, M., DeLiema, D. (2019, October). Connected learning experiences: Understanding creativity, materiality, artistry and affect in computing. Symposium at the Connected Learning Summit. Irvine, CA.
- Lindberg, L.,\* **Fields, D. A.** (2019, October). Community-oriented reflections through electronic textiles. Presentation at the Connected Learning Summit. Irvine, CA.
- Lindberg, L.,\* **Fields, D. A.** & Kafai, Y. B. (2019, October). Identifying with computing through e-textiles and art. Presentation at the Connected Learning Summit. Irvine, CA.
- Fields, D. A.** (2019, September) Stitching the loop with electronic textiles in Exploring Computer Science: Results from a 3-year curriculum development and implementation study. Presented at International Society of Design and Development in Education, Pittsburgh, PA.
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- Fields, D. A.** (2019, August). Teaching, collaborating, debugging, and designing bugs for learning. Invited presentation at the University of Helsinki LECI Research Group. Helsinki, Finland.
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- Fields, D. A.**, Kafai, Y.B., Lui, D., Walker, J. T.\*, Shaw, M.\*, Jayathirtha, G.\*, Nakajima, T.\*, Goode, J., & Giang, M. T. (2019, July). Stitching the loop with electronic textiles: Promoting equity in high school students' competencies and perceptions of computer science. Invited talk at the 'best in education' session at SIGGRAPH., Los Angeles, CA.
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- Fields, D. A.**, Jayathirtha, G.\*, & Kafai, Y. B. (2019, April). Case Studies of Connected Learning with Electronic Textiles: Examining Social, Structural, and Ideational Supports. Presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Walker, J.\*, **Fields, D. A.**, Kafai, Y. B., Nakajima, T\*., Lui, D., Goode, J., Margolis, J., Jayathirtha, G.\*, Shaw, M.\* (2019, April). Scaling up Equity with E-Textiles: *Stitch the Loop* Unit Results in Exploring Computer Science. Presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Fields, D. A.**, Kafai, Y. B., Shaw, M.\* , Lui, D., Nakajima, T.\* , Goode, J., Margolis, J., Jayathirtha, G.\* , Walker, J.\* (2019, April). *Stitching the Loop: An e-textiles curriculum for Exploring*

- Computer Science. Presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Fields, D. A.,** Jayathirtha, G.\*, Kafai, Y. B. (2019, April) Persevering through Failures in Making E-textiles: Contextual & Classroom Supports for Learning [Symposium: Failure in the Learning Process: How Learners Experience and Overcome Obstacles through Resources and Supports. Presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- Fields, D. A.** (2019, March). Review of results on electronic textiles curriculum. Invited discussion at Atlas Institute, University of Colorado, Boulder.
- Fields, D. A.** (2019, February). E-Textiles ECS Curricular Unit. Invited webinar for CS4All.
- Jayathirtha, G.\*, Shaw, M.\*, & **Fields, D. A.** (2019) Debugging by Design: Learning by Making and Fixing Mistakes, Workshop presented at the annual. FabLearn conference, New York, NY
- Lui, D., **Fields, D. A.,** Jayathirtha, G.\*, & Kafai, Y. B. (2019). DebugIts: Designing for Learning through Debugging. Demonstration presented at the annual FabLearn conference, New York, NY.
- Fields, D. A.,** Kafai, Y. B. , Goode, J., & Nakajima, T. (2018, August). Stitching the Loop curriculum: Making electronic textiles in Exploring Computer Science. Presentation at the Connected Learning Summit, Cambridge, MA.
- Kafai, Y. B., Lui, D. M. (Organizers), Brennan, K., Haduong, P., **Fields, D. A.,** Jayathirtha, G.\*, Litts B., Mortenson, C. ,& Tissenbaum, M. (2018, August). Learning from failure: Debugging in coding, gaming, and making activities. Presentation at the Connected Learning Summit, Cambridge, MA.
- Berland, M., **Fields, D. A.,** Holbert, N., Kafai, Y. B., Millner, A., Roque, R. (2018, August). Constructionism in context: Connected learning across technologies and spaces. Panel presentation at the Connected Learning Summit, Cambridge, MA.
- Holbert, N., **Fields, D. A.,** Grimes, S. M., Kafai, Y. B., Hoyles, C. & Noss, R. (2018, August). Constructionism at scale. Panel presentation at Constructionism Conference, Vilnius, Lithuania.
- Fields, D. A.,** Kafai, Y. B., Jayathirtha, G.\* (2018, April). Supporting metacognitive awareness of the process of making: Portfolio assessment in high school e-textiles classrooms. To be presented at the annual meeting of the American Educational Research Association. New York, NY.
- Grimes, S. M. & **Fields, D. A.** (2017, October). Kids' DIY media in the digital age: The opportunities and challenges that online DIY media platforms present for children's cultural rights and learning. Presented at the Conceptualizing Childhood and Youth Conference, St. Catherine's, Ontario, Canada.
- Fields, D. A.** (2017, October). Stitching the loop: E-textiles in Exploring Computer Science. Presented at the 2017 Digital Media and Learning Conference, Irvine, CA.
- Fields, D. A.,** Kafai, Y. B., & Nakajima, T.M.\* (2017, April). Promoting equity through a making curriculum for high school students: E-textiles comes to Exploring Computer Science. Poster presentation at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Fields, D. A.** (2017, April). Reasons to research making in education: Current challenges and research directions in the Maker Movement. Invited presentation at National Institute of Education, Singapore.

- Fields, D. A.** (2017, April). Why bother putting making in the classroom? Opportunities and practical strategies. Invited presentation at National Institute of Education, Singapore.
- Fields, D. A.** (2017, April). Combining big data and thick data analyses for understanding youth learning trajectories in a summer coding camp. Invited presentation at Korea National University of Education, Cheongju, South Korea.
- Fields, D. A.** (2017, April). My learning in school. Invited presentation at Hallym University, Chuncheon, South Korea.
- Fields, D. A. & Wong, J.** (2017, March). Language as a symptom of engagement: Experiencing a designed epidemic in a virtual world. Presentation at the annual meeting of the American Association for Applied Linguistics, Portland, OR.
- Fields, D. A.,** Landa, J., Nakajima, T., Margolis, J., Chapman, G., Kafai, Y. B., & Goode, J. (2016, October). Putting making in computer science classrooms: An electronic textiles high school curriculum for Exploring Computer Science. Demonstration presented at the annual FabLearn conference, Palo Alto, CA.
- Fields, D. A. & Lee, V. R.** (2016, August). Craft Technologies 101: Bringing making to higher education. Presentation at the *GLS 12: Games + Learning + Society*, Madison, WI.
- Fields, D. A.** (2016, June). Collaboration in Scratch: Patterns of participation and programming. Invited presentation at a 2016 ICLS workshop: Toward next steps for the CSCL community: Advancing science and informing real world collaboration in Web 2.0. *International Conference of the Learning Sciences*, Singapore.
- Gu, J.\*, Tofel-Grehl, C., **Fields, D.**, Sun, C.,\* & Maahs-Flaudung, C. (2016, April) Sewing Electronics in Science Class: Improving Student Interest in Science. *American Educational Research Association National Conference*. Washington, D.C.
- Tofel-Grehl, C., & **Fields, D.**, (2016, March). Sewing Science: Using Electronic Textiles Technology to Teach Electricity and Circuits.. *National Science Teacher Association National Conference*, Nashville, TN.
- Fields, D. A.** (2016, February). Designing the dragon swooping cough: How to infect a virtual world, educationally speaking. Invited guest lecture in Camillia Matuk's Learning Environment Design course, New York University.
- Fields, D. A.,** Quirk, L. & Amely, J.\* (2015, October). Structured constructionism? Applying a studio design model to Scratch Camps to provide rigor and equity. Presented at the *2015 IEEE Blocks and Beyond Workshop*, Atlanta, Georgia.
- Gu, J.\*, Tofel-Grehl, C. & **Fields, D. A.** (2015, September). Sewing electronics in class: Improving middle school students' science learning. Presentation at the Making Innovation Conference, Logan, UT.
- Fields, D. A.** (2015, August). Digging into research: Interest and identity in STEM. Invited panel presenter in after school webinar hosted by Relating Research to Practice, the Exploratorium, and the Afterschool Alliance. <http://afterschoolalliance.org/webinar/archives.cfm>
- Fields, D. A., & Grimes, S. M.** (2015, June). Making but not sharing: The Potential and Limits of DIY Websites for Children. Presentation at the annual Digital Media and Learning conference, Los Angeles, CA.
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- Fields, D. A.** (2015, May). Connected play: Mischievous cheating for serious learning. Invited keynote presentation, CALICO Conference, Boulder, CO.
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**Fields, D. A.** (2015, February). Curious origins of fashion and technology. Guest presentations at The Walker School (middle school assembly, upper elementary school assembly, select high school classes, and two half-day electronic-textiles workshops), Marietta, GA.

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**Fields, D. A.** (2014, October). Tween activism in a virtual world. TEDxUSU invited talk. Utah State University, Logan, UT. <https://www.youtube.com/watch?v=-S0basyU4ec>

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**Fields, D. A.** (2014, October). Connected play: Mischievous cheating for serious gaming. Invited panel presentation at Digital Literacies and Beyond the L2 Classroom: A Hybrid Symposium of Research and Practice. Tucson, Arizona.

**Fields, D. A.** (2014, October). Connected Play: Virtual worlds, social media, and kids. Invited presentation for the College of Education, University of Arizona. Tucson, AZ.

**Fields, D. A.** (2014, October). Research methods and science learning in a virtual world. Invited classroom presentation at the University of Arizona.

**Fields, D. A.** (2014, October). "So, I think I'm a programmer now." Developing connected learning for adults in a university craft technologies course. Invited presentation at Center for Games and Impact, Arizona State University. Tempe, Arizona.

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Kafai, Y. B. & **Fields, D. A.** (2014, June). Connected play: Mischievous cheating for serious gaming. Invited **keynote** presentation at the combined NSF Cyberlearning Summit and the Playful Learning Summit (at the Games + Learning + Society conference). [see archive: <http://learningtimesevents.org/circl/> ]

[https://squirrel.adobeconnect.com/\\_a751959191/p2v6krkfydb/?launcher=false&fcsContent=true&pbMode=normal](https://squirrel.adobeconnect.com/_a751959191/p2v6krkfydb/?launcher=false&fcsContent=true&pbMode=normal)

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**Fields, D. A.** (2014, June). Craft technologies in practice. Invited presentation. Practitioners panel: Games in Libraries, Games + Learning + Society Conference 10.0, Madison, WI.

**Fields, D. A.** (2014, June). Craft Technologies 101. Demo presented at the 2014 Cyberlearning Summer, Center for Innovative Research on Cyberlearning (CIRCL), Madison, WI.

Martin, H. T. & **Fields, D. A.** (2014, June). Macro data for micro learning. Poster presented at the 2014 Cyberlearning Summit, Center for Innovative Research on Cyberlearning (CIRCL), Madison, WI.

Grimes, S. M. & **Fields, D. A.** (2014, April). Kids DIY Media Workshop. Invited workshop presented at the annual Toronto International Film Festival for Kids Industry Conference. Toronto, ON, Canada.

Grimes, S. M., **Fields, D. A.**, Krogh, J., Alspach, B. & Kleman, D. (2014, April). Kids DIY Media. Invited *keynote panel* presentation at the annual Toronto International Film Festival for Kids Industry Conference. Toronto, ON, Canada.

**Fields, D. A.** (2014, April). Designing artifacts and environments for learning. Invited guest lecture in the Design of Learning Environments, doctoral course in the School of Education, University of Delaware.

**Fields, D. A.** (2014, April). Using qualitative methods to research online communities. Invited workshop panel presentation at the annual meeting of the American Educational Research Association, Philadelphia, PA.

**Fields, D. A.**, Braziel, S. & Martin, T. (2014, April). Make first, teach second? Tensions amidst implementing a FabLab at a high school. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

- King, W. L.\*, **Fields, D. A.** (2014, April). Designing for connected learning in a university course: Crafting with e-textiles. Poster presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Kafai, Y. B., **Fields, D. A.** (2014, April). Connected play: Making visible trajectories of participation. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Fields, D. A.**, Giang, M. T., & Kafai, Y. B. (2014, March). Broad trends in scratch.mit.edu. Invited presentation at the Scratch Data Summit. MIT Media Lab, Cambridge, MA.
- King, W. L.\* & **Fields, D. A.** (2014, March). Designing for connected learning in a university course: Crafting with e-textiles. Poster presented at the annual conference of Digital Media & Learning. Boston, MA.
- Fields, D. A.** (2014, February). Engaging Students at the Intersections of Learning, Interest, and Identification: An Ecological View of Design- and Inquiry-Based Education. Invited keynote address at the Korean Association of Science Education Conference. Daegu, South Korea.
- Grimes, S. M., **Fields, D. A.**, Quirke, L. \*, Novak, S. \*, MacDonald, A.\* (February, 2014). The importance of sharing in kids' online DIY media: Research background, educational implications, and policy implication. Hosted workshop on Kids DIY Media. University of Toronto, Toronto, Canada.
- Fields, D. A.** (2014, January). E-textiles: Issues of Gender, Aesthetics, Culture & Learning. Invited guest lecture for course on Tangible and Embodied Technologies: Supporting New Forms of Personal Activity and Social Interaction. University of Toronto, Canada.
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- Fields, D. A.** (2013, September). Cheating, Gaming, and Kids' Online Communities. Invited guest lecture for MOOC course on Coursera by Constance Steinkuehler & Kurt Squire. 10,000 estimated participants. Madison, WI.  
<https://uwmadison.app.box.com/s/b9ks4vixoi41kuq2358c>
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- Bequette, M., Brah, L., **Fields, D. A.**, Halverson, E., Kafai, Y., Litts, B., Owens, T., Peppler, K., Santo, R., & Sheridan, K. (2013, June). The MAKE movement and connections to the CSCL community. Panel at the 10<sup>th</sup> *International Conference of Computer Supported Collaborative Learning (CSCL 2013)*. Madison, WI.
- Brahms, L., **Fields, D. A.**, Halverson, E., Kafai, Y. (2013, June). The MAKE movement and connections to the GLS community. Panel at the *Games + Learning + Society Conference (GLS 2013)*. Madison, WI.
- Fields, D. A.**, Kafai, Y. B., Strommer, A.\*, Wolf, E.†, Seiner, B.† (2013, April). Integrating arts and computation. Applying a studio arts model of learning to programming interactive stories in Scratch. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Searle, K. A. \*, Kafai, Y. B. & **Fields, D. A.** (2013, April). Building new clubhouses: Opening doors to computing for girls and boys with electronic textiles. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA. \**Winner of Best Student Paper Award, Media, Culture & Curriculum SIG.*
- Peppler, K. A., **Fields, D. A.**, & Searle, K. A.\* (2013, April). Judging creativity in new digital art domains. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.

- Fields, D. A.** (2013, April). Connective ethnographies. Invited presentation: Digital Ethnography, Arizona State University, Tempe, AZ.
- Fields, D. A.** (2012, October). Making meaningful artifacts. Invited presentation, Beyond Bits & Atoms Course, Stanford University, Palo Alto, CA.
- Fields, D. A.** (2012, October). Understanding Collaborative Practices in the Scratch Online Community: Patterns of Participation among Youth Designers. Invited presentation, Research Apprenticeship Course, University of California, Los Angeles, Los Angeles, CA.
- Grimes, S. & **Fields, D. A.** (2012, May). Kids and social networking: Opening up the field of play. Paper presented at the annual meeting of the Canadian Communication Association Conference, Waterloo, ON, Canada.
- Fields, D. A.**, Searle, K. A.\*, & Kafai, Y. B. (2012, April). E-textile artifacts as laminates of personal, peer, and academic values. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.
- Roque, R. \*, **Fields, D. A.**, Siegel, J. L. \*, Low, D. \*, & Kafai, Y. B. (2012, April). A clubhouse of their own: A role-playing game society in the Scratch programming community. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada..
- Kafai, Y. B., **Fields, D. A.**, & Searle, K. A.\* (2012, April). Making the connections: Crafting, circuitry, and coding in high school e-textile workshops. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada..
- Searle, K. A. \*, **Fields, D. A.**, & Kafai, Y. B. (2012, February). Considering influences on identity and learning in students' electronic design processes. Data analysis session presented at the 33<sup>rd</sup> Annual Ethnography in Education Research Forum, Philadelphia, PA.
- Siegel, J. L. \*, Roque, R. \*, Low, D. \*, Kafai, Y. B., & **Fields, D. A.** (2012, February). Understanding the creative and collaborative literacy practices in the Scratch online community: A role playing case study. Paper presented at the 33<sup>rd</sup> Annual Ethnography in Education Research Forum, Philadelphia, PA.
- Grimes, S. & **Fields, D. A.** (2011, November). Broadening the scope and dispelling the myths. Invited keynote. Networked Participation Working Group, Cisco Systems & Joan Ganz Cooney Center, New York, NY.
- Searle, K.A. \*, Kafai, Y. B. & **Fields, D. A.** (2011, November). "*Sewing is a girls' sport*": *Gendered identities and e-textiles design*. Paper presented the American Anthropological Association, Montreal, Canada.
- Fields, D. A.** (2011, September). Trajectories of identification across social spaces: Intersections between home, school and everyday spaces. Paper presented at the triannual meeting of the International Society of Cultural Activity Research, Rome, Italy.
- Cook, M. S. (chair), **Fields, D. A.** (organizer), Ching, C. C., Devane, B., & Wortham. S. (discussant), (2011, April). *Producing selves: The analytical utility of theorizing about identities across spaces, narratives, activities, and time*. Symposium presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Fields, D. A.** (chair), King, E. M. (organizer), Duncan, S., Lammers, J. C., Magnifico, A. M., & Steinkuehler, C. (discussant), (2011, April). *Developing 21<sup>st</sup> century writing practices in gaming-related affinity spaces*. Symposium presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

- Fields, D. A.** (2010, August). Using Scratch in multiple settings: Productive intersections for learning and identification. Paper presented at the biannual Scratch@MIT conference, Cambridge, MA.
- Kafai, Y. B. (chair), Peppler, K., Resnick, M., **Fields, D. A.**, Brennan, K., Crenshaw, J., Parks, N. (2010, February). *Cultivating creativity and criticality in schools and after-school programs with Scratch*. Symposium conducted at the Digital Media and Learning Conference, San Diego, CA.
- Fields, D. A. (organizer)**, Kafai, Y. B. (chair), Jacobs, G., Steinkuehler, C., Duncan, S., King, E., Simkins, D., Fahser-Herro, D., Alagoz, E., Satwicz, T., Stevens, R., McCarthy, L., Giang, M., & Lam, E. (2009, April). *Tracing learning across, within, and between 'real' and 'virtual' worlds: A discussion of methods, ethics, and findings*. Symposium conducted at the annual meeting of the American Educational Research Association, San Diego, CA.
- Enyedy, N., Danish, J., **Fields, D. A.**, Kao, L., & Mukhopadhyay, S. (2009, April). *Negotiating the "relevant" in culturally relevant mathematics: The community mapping project*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Kafai, Y. B. & **Fields, D. A.** (2009, April). The development of participatory competencies in virtual worlds. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Fields, D. A.** (2009). *From outcast to expert: Identities as an analytical lens to study learning across spaces*. Invited talk at the Digital Learning Lab colloquium, University of California, Irvine, April 3.
- Fields, D. A.** & Kafai, Y. B. (2008, September). *Projectile throwing as a tool to mediate relationships: A connective ethnography of a gaming practice in a tween virtual world*. Paper presented at the biannual conference of the International Society of Cultural and Activity Research (ISCAR), San Diego, CA.
- Fields, D. A.** & Kafai, Y. B. (2008, July). *How does someone become a Whyvillian? Issues of race, gender, and trading face parts in a case study of tween play in a virtual world*. Paper presented at the annual conference of Games + Learning + Society 4.0, Madison, WI.
- Peppler, K., Diazgranado, A., **Fields, D. A.**, & Kafai, Y. B. (2008, July). *Creating a culture of critical game designers in elementary classrooms and clubs*. Symposium presented at the annual conference of Games + Learning + Society 4.0, Madison, WI.
- Fields, D. A.** & Kafai, Y. B. (2008, April). *Race, gender, and trading face parts: A case study of identity construction in a tween virtual world*. Paper presented at the Cultures of Virtual Worlds Conference, Irvine, CA.
- Fields, D. A.**, Giang, M. & Kafai, Y. B. (2008, March). *Girl gamers in virtual worlds: Portraits of participation and positionings in a tween gaming club*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Cook, M. S., **Fields, D. A.** & Kafai, Y. B. (2008, March). *"Should I get this skin color for my head?" Conversations about race in a tween gaming club*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Kafai, Y. B., Dede, C., Clarke, J., **Fields, D. A.**, Halverson, E., Satwicz, T. (2007, July). *Games in schools, clubs, homes and fandom communities: Opportunities and challenges in understanding learning and collaboration*. Plenary symposium conducted at the 8<sup>th</sup> Biannual Conference of Computer Supported Collaborative Learning, New Brunswick, NJ.

- Fields, D. A.** & Kafai, Y. B. (2007, July). *The development of distributed expertise across physical and virtual worlds in a teen gaming club*. Paper presented at the annual conference of Games + Learning + Society 3.0, Madison, WI.
- Kafai, Y. B., Consalvo, M., **Fields, D. A.**, Satsicz, T., & Zimmerman, E. (2007, July). *To cheat or not to cheat? Practices, purposes, and politics of cheating in online games*. Interactive symposium conducted at the third annual conference of Games + Learning + Society 3.0, Madison, WI.
- Kafai, Y. B., Cook, M. S., **Fields, D. A.** (2007, July). *“Why are Newbies White?” Discussing and Designing Race in a Tween Virtual World*. Paper presented at the third annual conference of Games + Learning + Society 3.0, Madison, WI.
- Fields, D. A.** (2007, April). *Learning by cheating? Investigating the science in cheat sites for informal educational multi-user virtual environments*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Kafai, Y. B., Feldon, D., **Fields, D. A.**, Giang, M., Pepler, K. & Quintero, M. (2007, April). *Where in the world is the science in Whyville? Informal science in a multi-user virtual community*. Symposium conducted at the annual meeting of the American Educational Research Association, Chicago, IL.
- Feldon, D., Kafai, Y., Giang, M., Quintero, M., & **Fields, D. A.**, (2007, April). *Mixed methods for mixed reality: Overcoming methodological challenges to understand user activity in a massive multi-user virtual environment*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Cook, M. S., **Fields, D. A.**, & Sandoval, W. A. (2006, April). *Understanding Local Teacher Adaptations of a Complex Learning Environment*. In W. A. Sandoval (Chair), *Eyes on the Prize: Considering How Design Research Can Lead to Sustainable Innovation*. Symposium conducted at the annual meeting of the American Educational Research Association, San Francisco, CA.

## Teaching, Mentoring, and Advising

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University Courses Taught [‡ signifies original course design]

### Utah State University

‡ITLS 6730: <i>Games and Learning</i> (Online, graduate)	2025-present
Graduate course focusing on history, theory, and design of games for learning, including commercial, educational, hands-on, digital.	
‡ITLS 3350: <i>Introduction to Computational Thinking</i> (Online, <u>required</u> , undergraduate)	2020-present
Introduction to computational thinking through everyday & coded activities, reflections & readings. Designed original course from scratch in gamified manner.	
‡ITLS 6450/6870/7870: <i>Special Topics: Sociocultural Perspectives on Learning &amp; Motivation</i> (Online, graduate)	2014-25
Graduate seminar course focusing on classic books regarding sociocultural perspectives on learning, motivation, interest, and education.	
ITLS 6390 (Online): <i>Technology and its Role in the Transformation of</i>	2014-19

<b>Education</b> (graduate)		
	Concerning the critical role of educational technology as one tool in the transformation of education. Implementation oriented (e.g., lesson plans in schools and industry).	
	<b>ITLS 6540: <i>Learning Theory</i></b> (Online and Face-to Face sections, graduate, required)	<b>2012-15</b>
	Survey learning theories and their applications to pedagogy and instructional technology.	
	<b>‡ITLS 6870/7870: <i>Special Topics: Games &amp; Learning</i></b> (Online, graduate)	<b>2015</b>
	Survey games and learning in research, design, and outreach	
	<b>‡ITLS 5285/6285: <i>Craft Technologies</i></b> (face-to-face, undergraduate & graduate)	<b>2013-14</b>
	New blended undergraduate and graduate course about design and learning with new materials and computers, including conductive thread, fabric, yarn, Velcro, and sewable computers (e.g. LilyPad Arduino).	

### University of Pennsylvania (Adjunct)

<b>‡Education 552/545: <i>Video Games &amp; Virtual Worlds</i></b> (online, graduate)	<b>2016</b>
Survey of games & learning in research, design, and outreach. First online-only course at the Penn Graduate School of Education). Gamified.	

### Advising

#### Doctoral Committees USU (committee member)

	<b>Graduation</b>
Maneksha Dumont	2013
Benjamin George (reading committee)	2014
Howard Haines (reading committee, shifted to Ed.S.)	Ed.S., 2016
Joel Drake (reading committee)	2018
Katarina Pantic (reading committee)	2020
Liam Fishback (shifted to Ed.S.)	Ed.S., 2021
Marta Halaczkiwicz (reading committee)	2022
Sterling Morris	2024
Nathan Justis	2024
Samantha Yoder (TEAL) (reading committee)	Ed.S., <i>in progress</i>
Taylor Dexter (TEAL) (reading committee)	<i>in progress</i>
Mengying Jiang	<i>in progress</i>
Jenna Matthews (reading committee)	<i>in progress</i>
Bolaje Bamidele	<i>in progress</i>
Kelly Fu (reading committee)	<i>in progress</i>

#### Doctoral Committees outside USU (committee member)

	<b>Department</b>	<b>University</b>	<b>Graduation</b>
Diali Gupta (External Examiner)	Education	University of Calgary	2019
Gayithri Jayathirtha	Education	University of Pennsylvania	2022
Michael Schneider	Computer Science	University of Colorado, Boulder	2024
Zack Carpenter	Educational Psychology	University of Minnesota	2026

#### Masters Students Mentorship

##### *Creative Project and/or Internship*

	<b>Graduation</b>
Whitney King	2013
Corey Burger	2013
Sherisa Bly	2013
Aubrey Bright	2014

Kimberly Davis	2014
Anna (Strommer) Fluckiger	2014
Janell Amely	2016
Trevor Atkinson	2017
<i>M.S. Committee Member</i>	
JC Tucker	2021
Kadie Kunz	2025
Anna Lloyd	2025
Taven Butler (TEAL)	<i>in progress</i>

<b>Undergraduate Student Mentorship</b>	<b>Year</b>
<i>USU Honors</i>	
Janell Amely (Art, Honors Capstone Project)	2014
Jasmine Banman (HEDI, Honors Mentoring Agreement)	2025
Amanda Barfuss (HEDI, Capstone Project)	2025-26
<i>Undergraduate Teaching Fellows (UTFs)</i>	
Janell Amely (ITLS 5285) *CEHS Undergraduate Teaching Fellow of the Year 2015	2013
Matthew Bonner	2014
Emalie Beckstrand	2022
Maddy Yuen	2022
Haley Yoder, undergraduate research assistant (2022), *CEHS Scholar of the Year 2023	2022
Tiandra Taylor, ITLS UTF of the Year 2024	2022
Malin Scharmann, ITLS Scholar of the Year 2025	2023
Rebecca Hansen, *CEHS UTF of the Year 2025	2024
Tyler Hansen, *CEHS UTF of the Year 2026	2024
Sammie Smith	2025
Elizabeth Moore	2025
Jasmine Banman (Honors Mentoring Agreement)	2025

## Teacher Training

<b>Action Research for Computer Science Educators</b>	2023-2024
<b>Spencer Foundation funded</b> , year-long training in equity-driven action research with five experienced computer science teachers from across the United States, (virtual 2-day workshop Summer 2023; 2-hour Saturday workshops December 2023, February 2024; in-person 2-day workshop Summer 2024)	
<b>Exploring Computer Science: E-textiles Curriculum Unit Professional Development</b>	
<b>ECS E-textiles PD</b> - Full curriculum, Los Angeles, CA	Spring 2017
- 3-4 days during school year, in person	Spring 2018
- 5-16 teachers	Spring 2019
- Shifting to increasing teacher facilitation year by year	
<b>ECS E-textiles PD</b> – Smaller sessions	Fall 2019
- <i>Boston</i> , Fall 2019 (1 day, in person)	Winter 2020-
- <i>Mississippi</i> , Winter 2020-2021 (3 days, virtual)	21
<b>ECS E-textiles PD</b> (national cohorts), conducted <i>virtually</i> :	2021-2022
- 5 days summer workshop	2022-2023
- 4 days quarterly workshops	2023 (summer
- Equipping new teacher facilitators year by year	only)
<b>ECS E-textiles PD</b>	Summer 2022,
- <i>Oregon</i> , 4 days summer workshop (in person)	Summer 2023
<b>Supplementary E-textiles Training</b>	
<b>Debugathon</b> : Learning by making bugs in e-textiles projects (1 day)	October 2018
<b>MADE</b> : Music—Art—Design with E-textiles training on advanced e-textiles techniques (2 days)	March 2019

<b>Debugging by Design</b> —virtual version	November 2020
<b>Thailand: Hosted by Suksapattana Foundation</b>	
<b>Qualitative Research</b> (3 days). Introduction to qualitative research in classroom and business environments.	June 2016
<b>Introduction to E-textiles</b> (4 days). Basic e-textiles workshop for students, training teachers how to use and teach e-textile projects	April 2017
<b>Backwards Design</b> (5 days). Developing project-based lesson plans with essential questions.	August 2017
<b>Constructionism in Practice.</b> (2 days). Introduction to constructionism philosophy and practical guidance on applying constructionism in teaching practice in school, village life, and industry	December 2017
<b>Constructionist Pedagogies</b> (4 days). Improving lesson plans using pedagogies supporting students' agency, creativity, and peer teaching.	August 2019

## Service and Outreach

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### Utah State University

#### Committees

ITLS Honors Advisor	2025-present
ITLS Awards Committee ( <i>chair</i> )	2018-present
Tenure/Promotion Committee external member: Ty Aller (2022-present), Darcy Pumphrey (2023-2025)	2022-present
ITLS Search Committee	2013, 2014, 2019, 2021
Identity (ITLS, USU)	2017-19
Masters Admissions Committee (ITLS, USU)	2012-2016
Working Group on Ph.D. Curriculum (ITLS department lead)	2013-2014

#### Outreach

TEDxUSU Presenter: Tween Activism in a Virtual World	2014
Scratch Camps: Three weeklong day camps through 4H USU Extension	2014
Women in Engineering Outreach Workshop to High School Students	2014
Center for Women and Gender Workshop: Women in Computing	2013

### Reviewing

#### Editorial Board

<i>Journal of the Learning Sciences</i>	2014-2023
<i>British Journal of Educational Technology</i>	2023-present
*North American Representative BJET International Advisory Board	

#### Journals – Ad Hoc Reviews (Year, #)

<i>British Journal of Educational Technology</i> (2020, 1; 2021, 2; 2023, 3; 2024, 3; 2025, 4)
<i>Journal of the Learning Sciences</i> (2011, 1; 2012, 3; 2013, 3; 2014, 3; 2015, 1; 2018, 1; 2019, 4; 2022, 2; 2023, 1; 2025, 1; 2026, 2)
<i>Transactions of Computing Education</i> (2016, 2; 2017, 1; 2018, 1; 2019, 1; 2020, 1; 2022, 1; 2024, 1; 2025, 1; 2026, 2 [1 with student as lead])
<i>ACM Inroads</i> (2025, 1)
<i>Educational Researcher Review</i> (2025, 1)
<i>Oxford Research Encyclopedia</i> (2025,1)
<i>Learning, Culture &amp; Social Interaction</i> (2025, 1; 2026, 2)
<i>Asia Pacific Journal of Education</i> (2025, 1)

*International Journal of Child Computer Interaction* (2024, 1)  
*The Design Journal* (2024, 1)  
*English Teaching: Practice & Critique* (2022, 1)  
*Exceptional Children* (2024, 1)  
*Computer Science Education* (2021, 1; 2025, 4)  
*International Journal of Multicultural Education* (2018, 2; 2021, 1)  
*Interactive Learning Environments* (2014, 2; 2018, 1)  
*Cognition & Instruction* (2017, 1; 2021, 1; 2022, 1)  
*International Journal of Computer Supported Collaborative Learning* (2014, 1)  
*Games & Culture* (2011, 1; 2013, 1)  
*Ethics and Information Technology* (2013, 1)  
*Technology, Knowledge & Learning* (2013, 1; 2014, 1))  
*Early Childhood Development and Care* (2007 Special Issue: Ecologies of Children's ICT Experiences)

**Books**

Routledge	2022
Cambridge University Press	2017, 2019
MIT Press	2015, 2025
Encyclopedia of Language and Education	2015

**Conferences**

Connected Learning Summit (co-chair 2023- <i>present</i> )	2018- <i>present</i>
American Educational Research Association	2006-2014, 2017- <i>present</i>
International Conference of the Learning Sciences (biannual conference); Senior program committee meta-reviewer (2021- <i>present</i> ) Hybrid conference committee (2026)	2006- <i>present</i>
Computer Supported Collaborative Learning (biannual conference)	2006- <i>present</i>
SIGCSE	2023-2024
CHI	2022
Interaction Design and Children	2015-2018
Computational Thinking Education	2017-18
Games + Learning + Society	2013-2014

**Grant Reviews**

National Science Foundation Review Panels (Cyberlearning, AISL DRK-12, ITEST)	2013-2018, 2022, 2025
Spencer Foundation (Large Grants)	2023

## International\*/National

**Conferences: Chair, Organizer**

- Connected Learning Summit\* – An international gathering of innovators harnessing emerging technology to expand access to participatory, playful, and creative learning.
  - Conference committee (2018-2021)
  - **Conference co-chair** (2023-present). Establishing new ground in developing a virtual conference that brings together leading researchers, educators, and developers. I brought in new partners in Australia, Asia, and the U.S. and am helping develop a new financial and partnership model to sustain the conference.
- International Society of the Learning Sciences\*
  - Virtual Poster Co-Coordinator (2025, 2026)
  - Hybrid subcommittee: Local Organizing Committee (2026)

- FabLearn Flagship Conference\*— brings together key influencers and thought-leaders from around the world in education, policy-making, academia, design, research, and maker communities to learn, present, and discuss digital fabrication in education, the maker culture, hands-on learning, and instructional tools
  - Conference committee, long paper co-chair or short paper co-chair: 2013-2015, 2020 (FabLearn Asia), 2023,
  - **Conference co-chair** (2016, 2017)
  - **Conference organizer** (2017) – oversaw shift to ACM Digital Library proceedings
- Beyond Blocks and Programming Workshop\* (VL/HCC)
  - Program Committee (2015)
- AERA
  - Media Cultural & Curriculum SIG (Special Interest Group): Program co-chair (2011-2013)

#### **Doctoral Consortium Leader:**

- Games+Learning+Society conference: job panel (2013, 2014), chair (2015). Two-day workshop providing mentorship on a range of topics, including academic writing, jobs, and grants.

#### **Advisory Boards:**

- Raspberry Pi Foundation: Expert feedback on principles of The Big Book of Computing Education (2026)
- NSF: Pelehonuamea Project: Connecting Indigenous Hawaiian History and Computational Geoscience in Teaching Volcanism (Concord Consortium, 2024-2026)
- NSF: Social Wearables Edu-Larp: A Camp to Enhance Girls' Computational Learning and Motivation (NSF, UC Santa Cruz) (2020-2023)
- NSF: Twin Cities PBS: Code: SciGirls! Media to Engage Girls in Computing Pathways (2017-2022)
- NSF: Play in the Making: Supporting Design Thinking in Maker Spaces among Underrepresented, Underserved, and Minority Students through Game Design (2017-2020)
- NSF: Affinity Spaces for Informal Science Learning: Developing a Research Agenda. Twin Cities Public Television (2015-2016)
- National Institute of Education, Singapore, Dr. Michael Tan (Learning in Makerspaces, 2017)
- External Advisory Board Member: University of Wisconsin-Whitewater Department of Education, Digital Media & Innovative Technologies for Learning Degree Program (2013-2017)

#### **Society Participation:**

- International Society of the Learning Sciences\*
  - Finance committee chair (2025-present)
  - Data Management Task Force member (2025-present)
  - Finance working group chair (2023-2024)
  - Education committee member (2010-2014)
  - Inaugural NAPLES committee member and USU representative (2012-2014): Network of Academic Programs in the Learning Sciences
    - helped establish network of learning sciences masters and doctoral programs
    - helped organize core course syllabi, videos of expertise,

#### **Other Service**

\*Workshop at the Toronto International Film Festival for Kids, Industry Conference: Kids DIY Media Best Practices 2014

Invited participant: Maker Movement Meeting, Children's Museum, Pittsburgh, PA 2014

\*ICLS 2014 Program Committee 2013-14

Morgridge Institute for Research Leaders' Summit, 2012  
 "Transforming Participation in Science with Technology:" Madison, WI

### Public

Girl Scouts coding badge: local Long Beach Troupe 2025  
 E-Textiles workshop for Girls Build LA 2016  
 Mendez High School Fashion Club Guest Advisor (E-Textiles) 2015  
 Engineering Extravaganza: Outreach to High School Girls (USU) 2014  
 Sustainability Fashion Show: Craft Technologies Intermission Show  
 (FCES, USU) 2014  
 Advisor & Evaluator: Common Sense Media Educational Ratings 2013-2014  
 Science Fair Judge: Cache Valley 2013  
 Scratch Workshop for 3<sup>rd</sup>-10<sup>th</sup> graders: Utah State University 2012

### Professional Organizations

International Society of the Learning Sciences (Member: *Education Committee, 2010-2014*, Member: *NAPLES, 2012-2014*; Chair: *Finance Committee 2023-present*) 2006-present  
 American Educational Research Association 2006-present  
 International Society of Cultural Activity Research (ISCAR) 2006-2014

### Selected Press

**Critical Technology Podcast by KMDI**, Season 2, Episode 6: (2022): <https://kmdi.utoronto.ca/the-critical-technology-podcast/#pod-s2ep6>  
**Utah State Today – University News (2021)**: <https://www.usu.edu/today/story/virtual-virus-helps-students-cope-with-covid-19>  
**ISLS – Meet the JLS Reviewers**  
<https://www.youtube.com/channel/UCjKXAQjz3oX2yr3eYkNJ0jw/playlists>  
**CIRCL Center**: <http://circlcenter.org/meet-deborah-fields/>  
**Utah State Today – University News (2015)**: <https://www.usu.edu/today/?id=55214>  
**Utah State Today – University News (2015)** : <https://www.usu.edu/today/?id=55152>  
**The Herald (Logan, UT) (2014)**. [http://news.hjnews.com/allaccess/limitless-possibilities-usu-hosts-computer-programming-camp-for-kids/article\\_37d5f4e4-edd2-11e3-9779-001a4bcf887a.html](http://news.hjnews.com/allaccess/limitless-possibilities-usu-hosts-computer-programming-camp-for-kids/article_37d5f4e4-edd2-11e3-9779-001a4bcf887a.html)  
**Utah State Today – University News**. <http://www.usu.edu/ust/index.cfm?article=53872>  
**University of Toronto News**: <http://news.utoronto.ca/tiff-kids-film-festival-and-industry-conference>  
**Christian Science Monitor (2013)**: [http://www.csmonitor.com/The-Culture/Family/Modern-Parenthood/2013/0131/Kids-online-Social-media-sites-can-help-develop-identity-study-says?cmpid=addthis\\_mailto#.UQyhkWpDwMI.mailto](http://www.csmonitor.com/The-Culture/Family/Modern-Parenthood/2013/0131/Kids-online-Social-media-sites-can-help-develop-identity-study-says?cmpid=addthis_mailto#.UQyhkWpDwMI.mailto)  
**CQ Researcher**: <http://library.cqpress.com/cqresearcher>  
**Education Week (2012)**:  
[http://blogs.edweek.org/edweek/DigitalEducation/2012/11/report\\_calls\\_for\\_more\\_research.html](http://blogs.edweek.org/edweek/DigitalEducation/2012/11/report_calls_for_more_research.html)  
**School Library Journal**: (2012) <http://www.thedigitalshift.com/2012/11/social-media/kids-online-report-young-childrens-social-networking-habits-harder-to-track-than-teens/>  
**Ed Surge (2012)**: <https://www.edsurge.com/n/what-kids-are-doing-on-social-networking-platforms>  
**Kidzania Journal**: <http://www.kidzania.com/kzjournal/eng/?p=1999>  
**Wired**: <http://www.wired.com/geekdad/2012/11/kids-online/>