

**Anthony M. Perry**  
375 Broadway #304  
Chelsea, MA 02150  
708.527.7142 | [aperry@mit.edu](mailto:aperry@mit.edu)  
[anthonymperry.com](http://anthonymperry.com)  
updated 3/30/2023

---

## EDUCATION

<b>Texas Tech University</b> , Lubbock, TX Ph.D., Curriculum & Instruction, Concentration: STEM Education Dissertation: <i>Conceptualizing and Investigating Student Pathways into Secondary STEM-CTE Concentrations</i>	2021
<b>Northwestern University</b> , Evanston, IL M.S., Education-Secondary Science: Physics	2012
<b>University of Wisconsin</b> , Madison, WI B.S. Astronomy-Physics	2007

## ACADEMIC AND RELATED EXPERIENCE

<b>Massachusetts Institute of Technology</b> , Cambridge, Massachusetts Postdoctoral Associate; Institute for Data, Systems, and Society Project: <i>Equitable, Inclusive, Effective STEM Education for All</i> . PI: Professor Richard Larson	Sept. 2021- present
<b>Lemelson-MIT Program</b> , MIT School of Engineering, Cambridge, Massachusetts <i>Invention Education Coordinator</i>	2015-2021
<b>Sarah E. Goode STEM Academy</b> , Chicago, Illinois <i>Founding Science Teacher</i>	2012-2015
<b>Museum of Science and Industry</b> , Chicago, Illinois <i>Senior Coordinator, Guest Experiences</i>	2009-2011

## REFEREED JOURNAL ARTICLES

Zhang, H., Couch, S., **Perry, A.**, Estabrooks, L., Kalainoff, M. (2023), Role models' influence on student interest in and awareness of career opportunities in life sciences. *International Journal of Science Education, Part B* (2023). <https://doi.org/10.1080/21548455.2023.2180333>

**Perry, A.** (2022). Why computing? Motivation and mathematics to pursue postsecondary CIS education. *Journal of Research in Technical Careers*, 6(1), 12-28. <https://doi.org/10.9741/2578-2118.1112>

Ewell, E., Haglid, H., Truszkowski, E., Walicki, C., DeMeulder, P., DeMeulder, M., Stephens, T., Zhuang, X., Trama, C., Hamilton, A., Mo, D., Wohner, J., Furrey, R., **Perry, A.**, Hu, S., Labowsky, H. (2022). From high school chemistry to real-world problem solving by invention. *Journal of Chemical Education*, 99(5) 2012-2019. <https://doi.org/10.1021/acs.jchemed.2c00135>

**Perry, A.** (2022). Student engagement, no learning without it. *Creative Education*, 13(4), 1312-1326.  
<https://doi.org/10.4236/ce.2022.134079>

Zhang, H., Estabrooks, L., and **Perry, A.** (2019). Bringing invention education into middle school science classrooms: A case study. *Technology & Innovation*, 20(3), 235-250.  
<https://doi.org/10.21300/20.3.2019.235>

**Perry, A., & Estabrooks, L.** (2019). Let's invent! *The Science Teacher*, 86(6), 37–43.

## GRANTS AND OTHER FUNDING

ECMC Foundation CTE Leadership Collaborative Mini-Grants: Integrating entrepreneurship with postsecondary CTE faculty learning communities (\$5,000) 2022-2024

PI: **Anthony M. Perry**; Co-PIs: Rosemary McBride, University of Wyoming and Bradley Kinsinger, Hawkeye Community College

ECMC Foundation Postsecondary CTE Doctoral Research Fellowship 2020-2021 (\$10,000)

## AWARDS

First Place, Most Outstanding Abstract Paper Presentation, ACTER 2021

First Place, Most Outstanding Research Poster, ACTER 2020

TTU College of Education Travel Award, 2018 (\$300)

Helen DeVitt Jones Part-time Graduate Student Fellowship, 2018 (\$2,000)

TTU Competitive Tuition Fellowship, 2017 (\$1,000)

## REFEREED CONFERENCE PRESENTATIONS

**Perry, A.** Gottlieb, J., & Childers, G. (April 2023). What counts as STEM (and for whom)? The case of secondary CTE-engineering courses. [paper presentation] American Education Research Association Conference, Chicago, Illinois.

**Perry, A.,** Montoya, J., Ecton, W., Hughes, A., & Martino, L. (November 2022). From multidisciplinary to interdisciplinary: Looking toward a future of integrative CTE research. [symposium]. Association for Career and Technical Education Research, Las Vegas, Nevada.

**Perry, A.** (November 2022). Mutually beneficial school-industry partnerships: Comparing in urban, suburban, and rural settings. 108<sup>th</sup> Mississippi Valley Technology Teacher Education / Southeastern Technology Education Conference, Nashville, Tennessee.

**Perry, A.,** Childers, G., Gottlieb, J., & Kelly, D. (April 2022). Policy windows for federal STEM-CTE: Historical perspectives and future directions [poster presentation]. American Education Research Association Conference, San Diego, California.

**Perry, A.** (December 2021). Motivational pathways into postsecondary computer and information systems [abstract paper presentation]. Association for Career and Technical Education Research, New Orleans, Louisiana. **\*Conference award for most outstanding abstract paper presentation**

**Perry, A.** (November 2021). Conceptualizing and investigating student pathways into secondary STEM-CTE concentrations [paper presentation]. Southeastern Technology Education Conference, Nashville, Tennessee.

**Perry, A., Childers, G., & Gottlieb, J.** (October 2021). School- and student-level factors influencing engineering, design, and production CTE concentration [paper presentation]. Southeastern Association for Science Teacher Education Conference, Tampa, Florida.

Couch, S., Kalainoff, M., Estabrooks, L., **Perry, A.**, Zhang, H., Ayele, A., Marvelle, A., Haney, C., and Cameron, A. (April 2021) Responsive (re)design in problem-based education: the Biotech-in-Action program. Presented at America Education Research Association, online.

Estabrooks, L., Zhang, H. **Perry, A.** Couch, S., and Chung, A. (April 2021) Developing computational thinking skills through technological invention. Presented at America Education Research Association, online.

Couch, S., Kalainoff, M., Estabrooks, L., **Perry, A.**, Zhang, H. Ayele, A., Marvelle, A., Hanley, C., and Cameron, A. (April 2021) Integrating authentic learning with career role models to promote student interest in biosciences. Presented at NARST Annual International Conference, online.

**Perry, A. & Jeffers, M.** (March 2021) Organizational habitus and postsecondary career and technical pathways. Presented at the Association for Education Finance and Policy, online.

**Perry, A.** (December 2020). Is Engineering Technology a STEM-CTE Pathway for all? Presented at the Association for Career and Technical Education Research, online. **\*Conference award for most outstanding research poster**

Zhang, H., Estabrooks, L., and **Perry, A.** (April 2020). Integrating invention education into STEM coursework: Teachers' perspectives and experiences. Poster presented at American Education Research Association, online.

**Perry, A.** (November 2018). Technical, vocational, and practical education: epistemological beliefs of career changers. Poster presented at the Association for Career and Technical Education Research, San Antonio, Texas.

## INVITED TALKS

UC-Irvine Digital Learning Lab (2022)

## NON-REFERRED PUBLICATIONS

Hong, E.\* and **Perry, A.** Planting the seed: Growing community-based PBL teachers with BLOSSOMS. *Journal of STEM Education: Innovations and Research* (invited article; accepted).

\*Student co-author

Estabrooks, L., Zhang, H., **Perry, A.**, & Chung, A.-M. (2019). Where's the CS in invention? An exploration of computer science in high school invention projects. Lemelson-MIT Program and CSforALL. Retrieved from: <https://doi.org/10.35542/osf.io/tsk9w>

Invention Education Research Group. (2019). Researching invention education: A white paper. Retrieved from The Lemelson Foundation website: <https://inventioneducation.org/wp-content/uploads/2020/02/Researching-Invention-Education-White-Paper.pdf>

## PRACTITIONER CONFERENCE PRESENTATIONS

**Perry, A.** and Hernandez, E. (December 2019). *Bringing invention to your CTE Program*, Association for Career & Technical Education CareerTech VISION, Anaheim, California.

Estabrooks, L., Kocialski, M.B., Hurley, S., Sandusky, J., Reichert, R., **Perry, A.** (October 2019). *Is CS Invention? Aligning the invention education community with #CSforALL.*, CSforALL Summit, Salt Lake City, Utah

**Perry, A.** and Kenan, K. (November 2018). *Bringing Invention to your CTE Program*, Association for Career & Technical Education CareerTech VISION, San Antonio, Texas.

**Perry A.** (September 2018). Problem Finding in the Community and Patenting of Inventions; panel discussion at NACCE Making, Invention, & Entrepreneurship Summit; Burlingame, California.

**Perry, A.** and Warfield, B. (November 2017). *Bringing Invention to your CTE Program*, Association for Career & Technical Education CareerTech VISION, Nashville, Tennessee.

Estabrooks, L, MacMillan, N., Scott, D., and **Perry, A.** (November 2017). *Pathways to Inventing*, Massachusetts STEM Summit, Worcester, Massachusetts.

**Perry, A.** and Meyer, S. (November 2017). *Inventing is Just Plain Fun (for all)!*, NSTA Regional Conference, Milwaukee, Wisconsin

**Perry, A.** and Stansbury, J. (October 2017). *Inventing is Just Plain Fun (for all)!*, NSTA Regional Conference, Baltimore, MD.

**Perry, A.** and Sweeney, K. (December 2016). *Inventing is Just Plain Fun (for all)!*, NSTA Regional Conference, Columbus, OH.

**Perry, A.** Lampert, M., and Domes, D. (November 2016). *Inventing is Just Plain Fun (for all)!*, NSTA Regional Conference, Portland, OR.

**Perry, A.** and Westlake, M. (October 2016). *Inventing is Just Plain Fun (for all)!*, NSTA Regional Conference, Minneapolis, MN.

## RESEARCH STUDENTS SUPERVISED

2022-2023 Salome Ortega, Undergraduate RA, MIT

MIT class of 2023

2022 George Liu, Undergraduate RA, MIT

MIT class of 2025

2021-2022 Eury Hong, Undergraduate RA, Wellesley College

Current MS Instructional Technology & Media student at Columbia University, Teachers College

## PROFESSIONAL MEMBERSHIPS

Association for Career and Technical Education Research  
AERA, CTE SIG

2019-present  
2019-present

## SERVICE

Editorial Board, Career and Technical Education Research (CTER)  
Llano Estacado Writers Alliance @ TTU  
Application Reviewer, MITES

2022 - 2025  
2021-2022  
2015-2023

### *Conference Peer Reviewer:*

AERA Conference, ACTER

### *Journal Peer Reviewer:*

International Journal of Science Education, International Journal of STEM Education, Journal of STEM Education: Innovations and Research, Review of Education Research (w/R. Larson), Career and Technical Education Research, Journal of Research in Technical Careers