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**1. National Presentations:**

- a. Garrett, L., Charleton, M.C., & Huang, L. (2015). Authentic contexts in college mathematics learning. Presentation, National Council of Teachers of Mathematics 2015 Annual Meeting & Exposition, Boston, Massachusetts, April 17, 2015.
- b. Garrett, L., Calhoun, M., & Huang, L. (2014). Authentic contexts in early college mathematics. Presentation at the 40th Annual Conference of the American Mathematical Association of Two-year Colleges (AMATYC). Nashville, Tennessee, November 15, 2014.
- c. Garrett, L. & Miller, K. (2013). Accessing meaning through function stories in college algebra. Presentation at the American Mathematical Association of Two Year Colleges 39th Annual Conference. Anaheim, California. October 31, 2013.
- d. Gleason, J., Zelkowski, J., Dempsey, D., Garrett, L. (2013). Building a statewide collaborative to improve existing teacher certification programs. Presentation at the annual conference of the Association of Mathematics Teacher Educators (AMTE). Orlando, Florida. January 25, 2013.
- e. Garrett, L., & Huang, L. (2012). Implementation of instructional strategies in Mathematics and Computer Science: Do undergraduate teaching assistants impact students' learning? Presentation at the HBCU-UP/WIDER Workshop on Evidence-based STEM Instructional Strategies for STEM and Education Faculty at HBCU-UP Grantee Institutions. Baltimore, Maryland. November 9, 2012.
- f. Garrett, L. (2012). Considering the effect of dynamic mathematics software on internal representations. Presentation at the research pre-session of the annual meeting of the National Council of Teachers of Mathematics (NCTM). April 25, 2012. Philadelphia, Pennsylvania. April 25, 2012.
- g. Garrett, L. (2012). Using video case studies to examine technological pedagogical content knowledge (TPACK). Presentation at the annual conference of the Association of Mathematics Teacher Educators (AMTE). Fort Worth, Texas. February 10, 2012.
- h. Garrett, L. (2012). Representational tendencies and conceptual dependencies in college algebra. Poster session at the annual conference of the Association of Mathematics Teacher Educators (AMTE). Fort Worth, Texas. February 9, 2012.

## 2. Publications

1. Garrett, L., Huang, L., & Charleton, M.C. (in press). A framework for authenticity in the mathematics and statistics classroom. *The Mathematics Educator*.
2. Levi, I., Chahine, I., Garrett, L., & Wang, H. (2016). Technology, active learning, and retention in general education mathematics. *Journal of Computers in Mathematics and Science Teaching*. 35(1) p81-105.
3. Garrett, L., Levi, I., & Chahine, I. (2014). The technology dichotomy: Computer aided instruction versus conceptual development technology. *MathAMATYC Educator*, 5(2), 18-25.
4. Garrett, L. (2014). Adult students' open interactions: Mediating higher level thinking. *International Journal of Education in Mathematics, Science and Technology*, 2(1), 1-10.
5. Garrett, L. (2013). Flawed mathematical conceptualizations: Marlon's dilemma. *Journal of Developmental Education*, 37(2), 2-13.
6. Aji, C. A., Garrett, L., & Biaz, S. (2013). The integration of Scilab into college calculus. *Alabama Journal of Mathematics*.
7. Garrett, L. (2012). Building understanding and fostering empowerment through technological interactions. *Adults Learning Mathematics: An International Journal*, 7(2), 7-22.