

## **Jennifer L. Albert**

Email: [jennifer.albert.stem@gmail.com](mailto:jennifer.albert.stem@gmail.com)

Cell: 910.273.8980

[www.jenniferalbert.com](http://www.jenniferalbert.com)

---

### **CURRENT POSITION**

2015-Present      The Citadel  
Director, STEM Center of Excellence  
Assistant Professor, Zucker Family School of Education  
Program Coordinator, M.Ed. in Interdisciplinary STEM Education  
Charleston, South Carolina  
Supervisor: Dr. Larry Daniel

Current Responsibilities: Coordinating STEM outreach with Citadel cadets and faculty, and K-12 teachers and students across the Lowcountry, teaching in the Interdisciplinary STEM M.Ed. program, and seeking funding and collaborations for STEM activities.

### **EDUCATION**

2012      North Carolina State University, Raleigh, NC  
Doctor of Philosophy in Science Education  
Major Professors: Dr. Margaret R. Blanchard and Dr. Eric N. Wiebe  
Dissertation: *Using Student-Generated Animations about Water Boiling to Impact Student Understanding of the Particulate Nature of Matter*

2005      Austin Peay State University, Clarksville, TN  
Master of Arts in Curriculum and Instruction

2003      Teacher Certification, Austin Peay State University, Clarksville, TN

2003      North Carolina State University, Raleigh, NC  
Bachelor of Science in Chemistry

### **HONORS AND SCHOLARSHIPS**

2018      Honoree for South Carolina Faculty Award for Service Learning  
2017      Gear of Excellence from Reforge Charleston  
2016      Faculty Fellow in The Citadel's Center for Cyber, Intelligence, and Security Studies (CCISS)  
2016      Faculty Fellow in Service Learning and Civic Engagement  
2010      CED Doctoral Dissertation Support Grant  
2008      Penick Foundation Scholarship

## PROFESSIONAL EMPLOYMENT

- 2013-2015 North Carolina State University  
Postdoctoral Scholar  
Raleigh, North Carolina  
Supervisor: Dr. Tiffany Barnes
- Responsibilities: Project Director for the NCSU portion of the NSF grant entitled FRABJOUS CS - Framing a Rigorous Approach to Beauty and Joy for Outreach to Underrepresented Students in Computing at Scale. Coordinating high school teachers and their students and collecting both quantitative and qualitative data as they pilot the course this school year.
- June-Sept 2013 North Carolina State University  
Educational Consultant  
Raleigh, North Carolina  
Supervisor: Sheila Brown
- Responsibilities: Helped develop and review items for the 8<sup>th</sup> grade science and Biology test banks, which will be used for review, benchmarks, and End-of-Grade exams (formerly ClassScape, now CBIB).
- 2010-2013 North Carolina State University  
Research Associate/Project Manager  
STEM Teams Grant  
Raleigh, North Carolina  
Supervisor: Dr. Margaret Blanchard
- Responsibilities: Helped conduct mixed methods research study on STEM Strategic Teaming model and professional development with 45 school leaders, 45 middle school teachers (science, technology, math, language arts, and social studies), and 2300 students in 5 middle schools and 5 school districts, arrange for multi-county permission, recruit participants, develop professional development activities, help develop instruments, conduct workshops, provide technical support, plan statistical analyses, collect data on teaching, analyze data, and communicate results.
- 2009-2010 Outreach Coordinator, The Science House  
Instructional Coach for 10 Elementary Teacher for PRISM MSP Grant  
North Carolina State University
- Responsibilities: Provided science professional development and support for teachers and students in Cumberland and 6 surrounding counties. Part-time instructional coach for nine elementary school teachers for CCS MSP Grant (Dec 2009-June 2010).
- 2008-2009 Graduate Research Assistant, NC Quest Grant  
North Carolina State University

Responsibilities: Helped conduct mixed methods research study on professional development with 30 middle school teachers (science, technology, math, language arts, and social studies) in 2 schools and 2 counties, arrange for multi-county permission, recruit participants, develop units, conduct workshops, provide technical support, plan statistical analyses, collect data on teaching, analyze data, and communicate results.

2006-2008

Graduate Research Assistant, 21CTL Grant  
North Carolina State University

Responsibilities: Helped conduct mixed methods research study with 30 middle school teachers (math and science) in 9 schools and 6 counties, arrange for multi-county permission, recruit participants, develop units, conduct workshops, provide technical support, plan statistical analyses, collect data on teaching, analyze data, and communicate results.

2003-2006

Science Teacher, Northwest High School and Rossview High School, Clarksville, TN (Taught AP Chemistry, Chemistry, Physical Science, Life Science, and 6 weeks of Spanish)

## TEACHING

### The Citadel

EDUC 499/520 Internship in Student Teaching – Spring 2016  
EART 201 Earth Science for Educators – Fall 2016, Summer 2017  
EDUC 547 Research in STEM Education – Fall 2016, Summer 2018  
EDUC 543 Teaching, Learning, and Assessing with Technology –  
Summer 2016, Summer 2017, Summer 2018  
EDUC 401 – Methods in Secondary Teaching – Spring 2017, Spring 2018  
EDUC 549 – Applications of Data Methods – Spring 2017  
EDUC 680 – Foundations of STEM II – Spring 2017, Spring 2018  
EDUC 587 – Science of Food – Summer 2017, Summer 2018  
EDUC 101 – Educational Foundations – Fall 2017  
EDUC 546 – Leadership and Critical Thinking in STEM Education – Fall  
2017, Fall 2018  
EDUC 544 – Project-Based Learning in STEM Education – Spring 2018  
EDUC 548 – Multidisciplinary Experimental Design and Implementation  
– Fall 2018

### North Carolina State University

EMS 573 Technology Tools for Science Teaching; synchronous/online,  
Fall 2011 – Co-instructor/Fall 2012 – Lead instructor  
EMS 531 Introduction to Research in Science Education;  
synchronous/online, Spring 2012 – Co-instructor for half-  
semester  
EMS 521 Advanced Methods I in Science Education; synchronous/online,  
Spring 2011 – Co-instructor

EMS 203 Introduction to Teaching Science – Spring 2008 Teaching Assistant  
EMS 375 Methods of Teaching Science I – Spring 2009 Teaching Assistant  
EMS 476 Supervised 1 student teacher - Fall 2011 – 8<sup>th</sup> grade science

### **Master’s Thesis Committee**

Kimberly Gray (Summer 2017)

Thesis: Impact of a summer camp exposing children to science, technology, engineering, arts, and mathematics

## **GRANTS and GIFTS**

### **Awarded**

**Albert, J.**, Jocius, R., Joshi, D. & Robinson, R. Collaborative Research: Integrating computing in STEM: Designing, developing, and investigating a team-based professional development model for middle- and high-school teachers. NSF-STEM+C Award # 1742332, \$1,536,264, Sept. 2017 – Aug. 2020.

**Albert, J.**, & Jocius, R. Determining the Efficacy of Maker Activities by Navigating Discourse (DEMAND). NSF-EAGER Award # 1723661, \$284,560, June 2017 – June 2019.

**Albert, J.**, Robinson, R., & Jocius, R. Improving Teacher Quality Grant: Promoting Problem Solving & Sense Making: Engaging Teachers in the Mathematical Process. SC Commission of Higher Education. \$172,257.50, January 2017-August 2018.

Joshi, D., Robinson, R., & **Albert, J.** Centers of Excellence Grant: STEM Ambassadors. SC Commission on Higher Education. \$112,500, Sept. 2017-2018.

**Albert, J.** Regional Partnership with Code.org. \$87,200, Sept. 2016 – Aug. 2019.

Joshi, D., Robinson, R., & **Albert, J.** Centers of Excellence Grant: STEM Ambassadors. SC Commission on Higher Education. \$112,500, Sept. 2016-2017.

Gosha, K, Lewis, C & **Albert, J.** Broadening Participation Research Project: Exploring Computing Careers through a Virtual Career Fair Using Embodied Conversational Agents. NSF-HBCU-UP Award #1533627, \$348,501, Sept 2015-2017.

**Albert, J.** Google CS4HS Grant, \$35,000. March 2016-2017.

**Albert, J.** Gift of \$100,000 for Citadel Sustainability Project from Tiger Corner Farm, December 2016

**Albert, J.** Gift of \$10,000 for Citadel Sustainability Project from Alumni, February 2016.

## **PUBLICATIONS**

### **Refereed Journal Articles**

**Albert, J. L.**, Keene, K., Barnes, T. M., & Catete, V. (submitted). *Characterizing beauty and joy of computing instructors during early implementation of computer science principles.*

Addy, T. M., Simmons, P. E., Gardner, G. E. & **Albert, J. L.** (2015). A New “Class” of Undergraduate Professors: Examining Teaching Beliefs and Practices of Science Faculty with Education Specialties. *Journal of College Science Teaching*, 44(3).

- Albert, J. L.**, Blanchard, M. R., Kier, M. W., Carrier, S. J., & Gardner, G. E. (2014). Supporting teachers' technology integration: A descriptive analysis of social and teaching presence in technical support sessions. *Journal of Technology and Teacher Education*, 22(2), 137-165.
- Kier, M. W., Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2014). The Development of the STEM career interest survey (STEM-CIS). *Research in Science Education*, 44(3), 461-481.

### **Book Chapter**

- Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2015). How high school students construct or create animations about water boiling. In K.D. Finson & J. Pederson (Eds.), *Application of Visual Data in K-16 Science Classrooms*.

### **Refereed Practitioner Journal Articles**

- Imam, S., **Albert, J.L.**, Jocius, R. (in press). How Do You Stay Fit in Space?: Exploring Exercise Through Project-Based Learning. *Science Scope*.
- Blanchard, M. R., Kier, M. W., Stevens, V. & **Albert, J. L.** (2017). STEM Bingo: A STEM Careers Game. *Science Scope*.
- Albert, J. L.**, Blanchard, M. R., Keene, K., & Kinton, J. (2014). The Great Iced Tea Debate. *Science Scope*, 37(8).
- Kier, M. W., Blanchard, M. R., & **Albert, J. L.** (2014). iTouch a STEM career. *Science Scope*, 37(6).
- Blanchard, M. R. & **Albert, J. L.** (2011). Tried and True: No Matter the Weather, We'll Measure Together. *Science Scope*, 34(9), 66-70. [Accessed by 60,000 NSTA members]
- Albert, J. L.**, Blanchard, M. R., Grable, L. L., & Reed, R. (2010). It's ELEMENTARY Watson! A crime scene investigation with a technological twist. *Science Scope*, 34(4), 16-22. [Accessed by 60,000 NSTA members]
- Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2009). Rev your engines! Linking physical science and math with car labs. *The Science Teacher*, 76(2), 35-40.

### **Conference Proceedings**

- Albert, J. L.**, Jones, K. R., Joshi, D., & Jocius, R. (2016). What do Activity Trackers and a Tablet Have in Common? STEM Ambassador Lesson Plans, Tips, and Tricks. *Proceedings of the Society for Information Technology & Teacher Education International Conference 2016*.
- Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2012). Do student-generated digital animations enhance student understanding of water boiling? A study comparing student learning in a Sci Vis course. *Proceedings of the Association for Science Teacher Education 2012*. Retrieved 4-01-12 from <http://theaste.org/publications/proceedings/2012proceedings.pl>
- Blanchard, M. R., Grable, L. L. & **Sharp, J. L.** (2009). Scaffolding Technology Integration of Middle School Science and Mathematics: Comparing the Results of Two Models of Teacher Professional Development. In I. Gibson et al. (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2009* (pp. 4015-4019). Chesapeake, VA: AACE.
- Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2009). Videoconferencing versus Face-to-Face:

Comparing the satisfaction of rural, middle school teachers with two different follow-up methods to teacher professional development. *Proceedings of the Association for Science Teacher Education 2009*. Retrieved 2-24-10 from <http://theaste.org/cgi-bin/2009conference/2009proceedings.pl>.

### Conference Paper/Poster Presentations

- Jocius, R., **Albert, J.L.**, & Andrews, A. (submitted, 2019, April). Navigating standards-based making practices in elementary classrooms. Paper to be presented at the American Educational Research Association Conference, Toronto, CA.
- Albert, J.L.**, Jocius, R., & Andrews, A. (submitted, 2019, January). Standards-based making practices in elementary classrooms. Paper to be presented at the Association for Science Teacher Education Conference, Savannah, GA.
- Miller, M., Ganezer, J., Cudd, R. M., Gustafson, D., & **Albert, J. L.** (2018, March). *Comparing nutrients and quality of aeroponically grown lettuce versus lettuce purchased from a grocery store*. Paper presented at the 79<sup>th</sup> Annual Meeting of Association of Southeastern Biologists, Myrtle Beach, SC.
- Albert, J.L.**, Jocius, R., Robinson, R., & Joshi, D. (2018, March). *Lesson learned from PD on Problem-Solving and Sense-Making*. Paper presented at the Interdisciplinary STEM Teaching & Learning Conference, Savannah, GA.
- Koester, M., Van Sickle, M., & **Albert, J.** (2018, January). *Making a case for STEAM: It's not just an educational fad*. Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Baltimore, MD.
- Gaspar, A, Golam, A. T. M., Wiegand, R. P., Bucci, A., Kumar, A., & **Albert, J. L.** (2017, May). *Evolutionary Practice Problems Generation: More Design Guidelines*. Paper presented at the international annual meeting of The Florida Artificial Intelligence Research Society, Key Largo, FL.
- Albert, J. L.** (2017, January). *Impact of a unique STEM competition on students and teachers*. Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Des Moines, IA.
- Bucci, A., Wiegand, R. P., Kumar, A., **Albert, J. L.**, & Gaspar, A. (2016, May). *Dimension extraction analysis of student performance on problems*. Paper presented at the international annual meeting of The Florida Artificial Intelligence Research Society, Key Largo, FL.
- Price, T. W., Catete, V., **Albert, J. L.**, & Barnes, T. M. (2016, March). *Lessons Learned from "BJC" CS Principles Professional Development*. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Memphis, TN.
- Wiegand, R. P., Kumar, A., Bucci, A., **Albert, J. L.**, & Gaspar, A. (2016, March). *A data-driven analysis of informatively hard concepts in introductory programming*. Paper presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Memphis, TN.
- Albert, J. L.** (2016, January). *Adding computational thinking to your science lesson: what should it look like?* Paper presented at the annual meeting of the Association for Science Teacher Education Conference, Reno, Nevada.
- Price, T. W., Catete, V., **Albert, J. L.**, & Barnes, T. M. (2015, August). *Determining the impact of teacher professional development on perceived ability to teach a computer science*

- principles course*. Paper presented at the annual meeting of the International Computing Education Research Workshop, Omaha, Nebraska.
- Brown, R., Lynch, C. F., Eagle, M., **Albert, J. L.**, Barnes, T. M., Baker, R., Bergner, Y., & McNamara, D. (2015, June). *Good communities and bad communities: Does membership affect performance?* Poster presented at the Educational Data Mining Conference, Madrid, Spain.
- Brown, R., Lynch, C. F., Wang, Y., Eagle, M., **Albert, J. L.**, Barnes, T. M., Baker, R., Bergner, Y., & McNamara, D. (2015, June). *Communities of performance and communities of preference*. Paper presented at the Graph Analytics Workshop at the Educational Data Mining Conference, Madrid, Spain.
- Albert, J. L.** (2015, April). *Adding computational thinking to your science lesson: what could it look like?* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.
- Albert, J. L.**, Peddycord, B. W., & Barnes, T. M. (2015, March). *Evaluating Scratch programs to assess computational thinking in a science lesson*. Poster presented at the annual meeting of the ACM Special Interest Group on Computer Science Education, Kansas City, MO.
- Albert, J. L.**, Blanchard, M. R., Kier, M. W., Carrier, S. J., & Gardner, G. E. (2014, January). *Social and teaching presence in technical support sessions: A descriptive analysis*. Paper presented at the annual meeting of the Association for Science Teacher Education, San Antonio, TX.
- Alsburly, T. L., Overstreet, N. A., Blanchard, M. R., & **Albert, J. L.** (2013, April). *Using a District-wide Strategic Teaming Model to assist innovation and reform in impoverished districts: Innovation Leaders Academy*. Paper presented at the annual meeting of the American Educational Research Association in San Francisco, CA.
- Kier, M. W., Blanchard, M. R., Osborne, J. W., & **Albert, J. L.**, (2013, April). *The Development of the STEM Career Interest Surveys (STEM-CIS)*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.
- Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2013, April). *Using student-generated animations to assess student understanding of the particulate nature of matter*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.
- Albert, J. L.**, Banks, A. J., Banks, J., & Banks, C. (2013, January). *Clickers versus cell phones: A comparison of student response systems and their effect on student achievement in a large lecture chemistry course*. Paper presented at the annual meeting of the Association for Science Teacher Education, Charleston, SC.
- Kier, M.W., Blanchard, M. R., Osborne, J.W., & **Albert, J. L.**, (2013, January). *The Development of the STEM Career Interest Surveys (STEM-CIS)*. Paper presented at the annual meeting of the Association for Science Teacher Education, Charleston, SC.
- Alsburly, T. L., Overstreet, N. A., Blanchard, M. R., Osborne, J. W., Williams, B., **Albert, J. L.**, Kier, M. W. & Reed, R. (2012, November). *Innovation Leaders Academy: Sustaining innovation in high need districts*. Paper presented at the annual convention of the University Council for Educational Administration, Denver, CO.

- Albert, J. L.** & Blanchard, M. R. (2012, September). *Student-Generated Digital Animations as a Form of Assessment*. Paper presented at the annual meeting of the Mid-Atlantic Association for Teacher Education, Pembroke, VA.
- Albert, J. L.**, Blanchard, M. R., & Wiebe, E. N. (2012, March). *Exploring student-created animations to show level of understanding on nature of matter learning progression*. Poster presented at the annual international meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2012, March). *Is it Possible to Explicitly Stimulate Pedagogical Discontentment in Science Teachers through a Graduate Course?* Paper presented at the annual international meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- Albert, J. L.**, & Banks, A. J. (2012, February). *A comparison of student response systems and their effect on student achievement in a large lecture chemistry course*. Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.
- Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2012, February). *Is it possible to explicitly stimulate pedagogical discontentment in science teachers through a graduate course?* Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.
- Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2012, January). *Do student-generated digital animations enhance student understanding of water boiling? A study comparing student learning in a Sci Vis course*. Paper presented at the annual meeting of the Association of Science Teacher Educators, Clearwater, Florida.
- Albert, J. L.**, Wiebe, E. N., & Blanchard, M. R. (2011, September). *Student-generated digital animations: A study comparing student learning in a Sci Vis course*. Poster presented at the annual meeting of the Mid-Atlantic Association of Science Teacher Educators, Carter Caves, Kentucky.
- Blanchard, M. R., **Albert, J. L.**, & Osborne, J. W. (2011, September). *Exploring the Relationship of Pedagogical Discontentment to Teachers' Changes in Practices*. Paper presented at the international biannual meeting of the European Science Education Research Association, Lyon, France.
- Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2011, April). *Are There Benefits to Pedagogical Discontentment?: A Two-Year Study Exploring its Link to Rural Science & Mathematics Teachers' Changes in Practices*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Addy, T. M., Simmons, P. E., Gardner, G. E., & **Albert, J. L.** (2011, April). *Epistemological beliefs & teaching practices of science faculty with education specialties*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- Albert, J. L.** & Wiebe, E. N. (2011, March). *Taking drawing digital: Using student-generated drawings to help students learn about molecules*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- Blanchard, M. R., Osborne, J. W., & **Albert, J. L.** (2011, March). *Results of a two-year study: Exploring the relationship of teachers' pedagogical discontentment to changes in practices for 28 rural science and mathematics teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.



- Banks, A. J. & **Albert, J. L.** (2010, August). *Clickers in a non-science majors course*. Paper presented at the 21<sup>st</sup> Biennial Conference on Chemical Education, Denton, TX.
- Blanchard, M. R., Osborne, J. W., & **Sharp, J. L.** (2010, March). *Investigating the role of pedagogical discontentment in rural science and mathematics teachers' changes in practice: An exploration of 23 rural science and mathematics teachers following technology-infused teacher professional development*. Paper presented at the annual national meeting of the National Association for Research in Science Teaching, Philadelphia, PA.
- Blanchard, M. R., **Sharp, J. L.**, and Grable, L. L. (2009). *Scaffolding technology integration of middle school science and mathematics: comparing the results of two models of teacher professional development*. Paper presented at the annual international meeting of the Society for Information Technology and Teacher Education, Charleston, SC.
- Blanchard, M. R., **Sharp, J. L.**, and Grable, L. L. (2009, January). *Videoconferencing versus face-to-Face: Comparing the satisfaction of rural, middle school teachers with two different follow-up methods to teacher professional development*. Paper presented at the annual international meeting of the Association for Science Teacher Educators, Hartford, CT.
- Blanchard, M. R. & **Sharp, J. L.** (2008). *Comparing Two Methods of Technical Support for Teachers: Videoconferencing versus Face-to-Face*. Paper presented at the annual meeting of School Science and Mathematics, Durham, NC.
- Blanchard, M. R., **Sharp, J. L.**, & Grable, L. L. (2008). *Is videoconferencing a feasible option for teacher technical support? A mixed-methods pilot study with 29 rural, middle school science and mathematics teachers*. Paper presented at the annual meeting of the Mid-Atlantic Association for Science Teacher Educators, Lake Lure, NC.
- Sharp, J. L.** & Banks, A. J. (2008). *Click Away: Does feedback from the use of clickers increase student achievement on final assessments in a university chemistry course?* Paper presented at the annual meeting of the Mid-Atlantic Association for Science Teacher Educators, Lake Lure, NC.

### Conference Workshops

- Albert, J. L.**, Jones, K. R., Joshi, D., & Jocius, R. (2016). What do Activity Trackers and a Tablet Have in Common? STEM Ambassador Lesson Plans, Tips, and Tricks. Roundtable to be presented at the Society for Information Technology and Teacher Education Conference 2016 to be held in Savannah, GA, United States, March 21-26, 2016.
- Lynch, C. F., Barnes, T. M., **Albert, J. L.** (2015, June). Graph Analytics. Workshop presented at the international meeting of Educational Data Mining, Madrid, Spain.

### Conference Presentations

- Jocius, R., **Albert, J.L.**, & Andrews, A. (submitted, 2018, October). Mobile maker kits in the K-5 classroom. Paper to be presented at the South Carolina EdTech Conference, Greenville, SC.
- Albert, J. L.**, Jocius, R., Robinson, R., Joshi, D. & Neeley, A. (submitted, 2018, October). Integration is snap! Supporting computational thinking across the disciplines. Paper to be presented at the South Carolina EdTech Conference, Greenville, SC.

- Koester, M., Bell, E.V., Albert, J. L., Bramblett, J. (accepted, 2018, September). Step up, get ready, respond! Taking flood resilience to school. Session to be presented at the Carolinas Climate Resilience Conference, Greenville, SC.
- Koester, M., Van Sickle, M, Moore, R., & **Albert, J. L.** (2017, November). STEAM Presentation. Session presented at the South Carolina Science Council Conference, Columbia, SC.
- Koester, M., Van Sickle, M, Moore, R., & **Albert, J. L.** (2017, November). STEAM Panel. Session presented at the South Carolina Science Education Leadership Association Meeting, Columbia, SC.
- Albert, J. L.**, Reed, R., Blanchard, M. R., Ruffin, W, & Aguilar, C. (2012, November). Take Virtual Field Trips and Explore Science Labs! Workshop presented at the annual meeting of the North Carolina Science Teachers Association, Winston-Salem, NC.
- Blanchard, M. R., Alsbury, T. L., **Albert, J. L.**, & Kier, M. W. (2012, September). *Preliminary Results of using a Strategic Teaming Model for Systemic District Reform*. Paper presented at the annual meeting of the Mid-Atlantic Association for Teacher Education, Pembroke, VA.
- Blanchard, M. R., **Albert, J. L.**, & Kier, M. W. (2012, April). *Flip for STEM Careers*. Presentation at the annual meeting of the National Science Teacher Association, Indianapolis, IN.
- Blanchard, M. R., Kinton, J. H., Emig, B. R., Stevens, V. C., Childers, G., **Albert, J. L.**, & Kier, M. W. (2012, April). *iTouch a STEM Career*. Presentation at the annual meeting of the National Science Teacher Association, Indianapolis, IN.
- Blanchard, M. R. & **Albert, J. L.** (2012, February). *The STEM Career Interest Survey*. Presentation at the annual ITEST Summit, Washington, D.C.
- Kier, M. W., Blanchard, M. R., **Albert, J. L.**, & Stevens, V. C. (2011, November). *iTouch a STEM Career*. Presentation at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Albert, J. L.** (2010, November). *The science house presents: Flipping for science*. Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Barrier, R. & **Albert, J. L.** (2010, November). *The science house presents: New database of safety sense rules and regulations*. Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Blanchard, M. R., **Albert, J. L.**, & Wagstaff, I. R. (2010, November). *No matter the weather, we'll measure together!* Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Albert, J. L.** & Blanchard, M. R. (2010, March). *Connecting the dots: Using Elluminate and video-conferencing to stay connected to rural teachers*. Session presented at the annual national meeting of the National Science Teacher Association Meeting, Philadelphia, PA.
- Sharp, J. L.** (2009, November). *The science house presents: get a clue!* Session presented at the annual meeting of the North Carolina Science Teachers Association, Greensboro, NC.
- Sharp, J. L.**, & Blanchard, M. R. (2009, March). *Rev your Engines: a Low Budget, High-Tech Middle School Automotive Lab*. Session presented at the annual national meeting of the National Science Teacher Association Meeting, New Orleans, LA.
- Blanchard, M. R. , Grable, L. L., & **Sharp, J. L.** (2008). *Success stories: How we used*

*probeware to explore real-life problems.* Session presented at the annual regional meeting of the National Science Teacher Association Meeting, Charlotte, NC.

### Curriculum Projects

Barnes, T., **Albert, J. L.**, Rindos, I., Peddycord, B. (2013 – 2015). The Beauty and Joy of Computing, NC State University, <http://bjc-nc.github.io/bjc-course/curriculum/>

**Albert, J. L.**, Blanchard, M. R., & Kier, M. W., Stevens, V. C., Kinton, J. H. (2010-2013). STEM Career Awareness, NC State University. <http://stemcareerawareness.wikispaces.com>.

**Albert, J. L.**, Blanchard, M. R., & Grable, L. L. (2006-2010). 21CTL and SMART for Teachers Materials, NC State University, The Friday Institute. <http://stem.fi.ncsu.edu>

### EXTENSION AND OUTREACH

- 2018 *STEAM Camp*, 4 weeks, 100 students, The Citadel
- 2017 *STEAM Camp*, 4 weeks, 100 students, The Citadel
- 2016 *STEAM Camp*, 3 weeks, 120 students, The Citadel
- 2016 *Beauty and Joy of Computing Workshop*, 5 days, 16 teachers, The Citadel
- 2015 *Beauty and Joy of Computing Workshop*, 15 days, 28 teachers, NC State University
- 2015 *Girls Code and Create Camp*, 5 days, 24 HS girls, NC State University – The Engineering Place
- 2014 *Girls Code and Create Camp*, 5 days, 24 HS girls, NC State University – The Engineering Place
- 2014 *Beauty and Joy of Computing Workshop*, 10 days, 18 teachers, NC State University
- 2013 *Beauty and Joy of Computing Workshop*, 2 days, 9 teachers, NC State University
- 2012 *STEM Career Awareness Technology Learning Workshops*, Four days, 30 teachers, Warren County Middle School, Warrenton, NC.
- 2012 *Trying On STEM Careers Workshop* for 60 middle school students in Greensboro, NC.
- 2011 *STEM Career Awareness Technology Learning Workshops*, Halifax, NC, Five days, 45 teachers, Weldon Middle School; Six additional online workshops via Elluminate, Fall & Spring.
- 2010 *Safety Sense: Train the Trainer Workshop*, Raleigh, NC.
- 2010 *SMART for Teachers Technology Learning Workshops*, Four days, 30 teachers, Chowan Middle School, Tyner, NC.
- 2009 *SMART for Teachers Technology Learning Workshops*, Five days, 30 teachers, Bertie Middle School, Windsor, NC.
- 2009 *RTOP Training Workshop* for 20 colleagues at The Friday Institute, Raleigh, NC.
- 2008 *SMART for Teachers Technology Learning Workshops*, Five days, 30 teachers, Chowan Middle School, Tyner, NC.
- 2008 *Are you a Suspect?* Technology forensics workshop for middle school science and math teachers, Expanding Your Horizons in Math, Science, and Technology Conference, North Carolina State University, Raleigh, NC.

2007 *Middle Grades in the 21st Century: Science & Mathematics Workshop*, Three days, 30 teachers, Gaston Middle School, Gaston, NC.

**SERVICE**

2018 Panel Moderator for the 2018 Citadel Intelligence & Cybersecurity Conference  
 2018 SC 9-12 Computer Science Standards Writing Team  
 2017-current Curriculum Reviewer, SC Department of Higher Education  
 2017-current Undergraduate Curriculum Committee, The Citadel  
 2017 Program Committee, Reviewer, Society for Information Technology & Teacher Education, Austin, TX, 2017  
 2016-current Member of the South Carolina Sea Grant Consortium’s Coastal Education Advisory Committee  
 2016 Conference Reviewer, Special Interest Group for Computer Science Education, Seattle, WA, 2017  
 2016-2017 SC K-8 Computer Science Standards Writing Team  
 2016 NSF Grant Panel Reviewer  
 2016-current Advisory Board member for Palmetto Scholars Academy  
 2016-current Advisory Board member for Reforge Charleston  
 2016-current Advisory Board member for the Chamber of Commerce – Computer Science Education group  
 2016-current Advisory Board member for the Lowcountry STEM Collaborative  
 2016-current Editorial Board of the *Journal of Science Teacher Education*  
 2016-current Article Reviewer for *Science Education* (top rated journal in field)  
 2016-current Article Reviewer for *Catalyst: A Social Justice Forum*  
 2016-2019 ASTE Awards Committee Member  
 2015-current Steering Committee member for Charleston STEM Festival  
 2015-current Article Reviewer for *Computing in Science and Engineering*  
 2015 Division C Conference Reviewer, American Educational Research Association, Washington, D.C., 2016.  
 2015 Conference Reviewer, National Association for Research in Science Teaching, Baltimore, MD, 2016.  
 2014 Program Committee, Reviewer, Society for Information Technology & Teacher Education, Las Vegas, NV, 2015  
 2014-current Editorial Board of the Contemporary Issues in Technology and Teacher Education - Science  
 2014-current Article Reviewer for *Journal of Science Education and Technology*  
 2014-current Article Reviewer for *NSTA’s Science Scope*  
 2014 Conference Reviewer, National Association for Research in Science Teaching, Chicago, IL, 2015.  
 2013 Book Reviewer “Teaching Students to Think Like Scientists”  
 2013-current Article Reviewer for *Journal of Technology and Teacher Education*  
 2013 Conference Reviewer, Association for Science Teacher Education, San Antonio, TX, 2014.  
 2013 Conference Reviewer, National Association for Research in Science Teaching, Pittsburgh, PA, 2014.  
 2012-2015 NARST Outstanding JRST Paper Award Committee Member

- 2012 Conference Reviewer, Association for Science Teacher Education, Charleston, SC, 2013.
- 2012 Conference Reviewer, National Association for Research in Science Teaching, Rio Grande, Puerto Rico, 2013.
- 2011 Conference Reviewer, National Association for Research in Science Teaching, Indianapolis, IN, 2012.
- 2010 Conference Reviewer, National Association for Research in Science Teaching, Orlando, FL, 2011.
- 2009 Conference Reviewer, National Association for Research in Science Teaching, Philadelphia, PA, 2010.
- 2009-current Article Reviewer for *School Science and Mathematics*
- 2009-2011 Coach and Event Leader for North Carolina Science Olympiad, Regional in Fayetteville, NC and State in Raleigh, NC
- 2008 Conference Reviewer, Association for Science Teacher Education, Hartford, CT, 2009.
- 2008 Strand 3 Conference Reviewer, American Educational Research Association, San Diego, CA, 2009.
- 2007-2008 School Volunteer, Stough Elementary, Raleigh, NC. Assist with science nights.
- 2007-2015 Article Reviewer for *Meridian: A Middle School Computer Technologies Journal*

Last update: 8-11-18