

# Jessica R. Chittum, PhD

Assistant Professor, Department of Elementary Education and Middle Grades Education  
College of Education  
East Carolina University

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## EDUCATION

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|---|---------------|
| <b>PhD</b> , Curriculum and Instruction with a specialization in Educational Psychology<br>Virginia Tech, Blacksburg, VA<br>Advisor, Committee Chair: Dr. Brett D. Jones<br>Committee: Drs. Peter Doolittle, Kathryne Drezek McConnell, Jay Wilkins | May 2015      |
| <b>Graduate Certificate</b> , Cognition and Education<br>Virginia Tech, Blacksburg, VA  | December 2014 |
| <b>MA</b> , Exceptional Student Education<br>University of South Florida St. Petersburg, St. Petersburg, FL   | May 2007      |
| <b>BS</b> , Elementary Education with an English as a Second Language (ESL) Endorsement<br>University of South Florida St. Petersburg, St. Petersburg, FL   | December 2006 |
| <b>AA</b><br>Saint Petersburg College, St. Petersburg, FL   | May 2004      |

## PROFESSIONAL TEACHING LICENSES

### State of Florida Department of Education

- Professional Educator's License, Elementary Education, K-6; 2005 to present
- Professional Educator's License, Exceptional Student Education, K-12; 2006 to present

### North Carolina Department of Public Instruction

- Professional Educator's License, Continuing License, A – Elementary Education, K-6, 2015 to present
- Professional Educator's License, Continuing License, M – Exceptional Student Education, K-12, 2015 to present

## PROFESSIONAL EXPERIENCE

### Higher Education, Professional

- June 2018 to present     **Research and Innovation Associate**, Rural Education Institute  
East Carolina University, Greenville, NC
- August 2015 to present     **Assistant Professor**, Department of Elementary Education and Middle Grades Education  
East Carolina University, Greenville, NC
- Conduct research
  - Teach undergraduate and graduate courses in the Elementary Education program
  - Supervise final internship students in the Elementary Education program
  - Serve the institution and professional community
- August 2014 to May 2015     **Graduate Research Assistant**, Educational Psychology Program  
Virginia Tech, Blacksburg, VA
- Collaborate on research related to academic motivation and STEM education
  - Manage large quantitative databases
  - Clean and organize data files
  - Conduct quantitative analyses
  - Write manuscripts for peer-reviewed publication and presentations
  - Collaborate on the NSF grant, Studio STEM: Engaging Middle School Students in Networked Science and Engineering Projects
    - Innovative Technology Experiences for Students and Teachers, NSF No. DRL-1029756
    - \$1,053,754
- May 2014 to December 2014     **Scholarly Publication Consultant**, Center for Instructional Development and Educational Research  
Virginia Tech, Blacksburg, VA
- Senior Associate Editor, *International Journal of Teaching and Learning in Higher Education*
    - Edit all manuscripts for consistency with APA 6<sup>th</sup> edition guidelines
    - Format all copyedited manuscripts
    - Serve as contact person for the formatting, final editing, and final review stages
    - Assist in managing availability of online and print publications
- May 2014 to August 2014     **Graduate Research Assistant**, Department of Engineering Education  
Virginia Tech, Blacksburg, VA
- Developed a professional development workshop for Engineering Capstone Design instructors and affiliates
    - 4-hour workshop to be implemented during the 2014/2015 academic year

- Collaborated on the NSF grant, CAREER: An Exploration of Expert Teaching and Student Learning in Capstone Experiences
  - NSF No. EEC-0846605

August 2011 to May 2014    **Professional Development Fellow**, Center for Instructional Development and Educational Research (CIDER)  
Virginia Tech, Blacksburg, Virginia

- Editorial roles:
  - Senior Associate Editor, *International Journal of Teaching and Learning in Higher Education*
  - Associate Editor, *International Journal of ePortfolio*
  - Assistant Editor, *Pedagogy in Practice* publication; Spring 2012 (<http://www.cider.vt.edu/downloads/2012pedagogy.pdf>)
- Manager, CIDER's *Teacher of the Week* (TotW) program
- Interim Manager, CIDER's *Thank a Teacher* program; 2012
- Collaborated with CIDER staff to conduct and publish scholarly research in educational psychology, learning technologies, and higher education pedagogy
- Assisted in planning, designing, and teaching professional development workshops for Virginia Tech faculty Assisted in the implementation of CIDER's annual *Conference on Higher Education Pedagogy*
- Assisted in conducting formative evaluations for Virginia Tech instructors

## Higher Education, Teaching and Supervision

January 2019 to present    **Instructor**, *Classroom Organization and Management*  
East Carolina University, College of Education

- Course topics include issues related to classroom management and organization.
- Undergraduate level, online course

January 2019 to present    **Instructor**, *Professional Development, Trends, and Issues in Middle Grades Education*  
East Carolina University, College of Education

- Course topics include research in the context of education. Students develop an action research project proposal in which they link teaching and professional growth to trends and issues in middle grades education
- The action research sequence spans two semesters: This is the first course, which ends in a research proposal and presentation of the proposal with an audience of peers and researchers.
- Graduate level, online course

January 2018 to present    **Instructor**, *Action Research Implementation in Elementary Education*  
East Carolina University, College of Education

- Course topics include research in the context of education. The research project proposed during the previous semester is implemented. A formal action research paper is written and the semester culminates with a final poster presentation of the project with an audience of peers and faculty

researchers. Topics focus on data organization, analysis, and synthesis of findings and discussion.

- Graduate level, online course

August 2017  
to present

**Instructor**, *Action Research Planning in Elementary Education*  
East Carolina University, College of Education

- Course topics include research in the context of education. Students develop an action research project proposal in which they link teaching and professional growth to trends and issues in elementary education
- The action research sequence spans two semesters: This is the first course, which ends in a research proposal and presentation of the proposal with an audience of peers and researchers.
- Graduate level, online course

August 2015  
to May 2018

**Instructor**, *Learning and Instruction in the Elementary School*  
East Carolina University, College of Education

- Course topics include educational psychology theories and constructs, lesson and unit planning, and differentiated instruction
- Emphasis is placed on the relationship between learning, motivation, and developmental theory and instructional practice in the context of elementary school
- Undergraduate level, face-to-face

August 2015  
to May 2018

**Instructor**, *K-2 Practicum Experience*  
East Carolina University, College of Education

- Facilitate practicum experience in K-2 English language arts (ELA) in which student teachers observe, assist, and teach lessons in ELA
- Mentor, guide, coach, and support students during their first teaching experience
- Guide and assess teaching, planning, reflection and professional dispositions
- Co-taught course
- Undergraduate level, face-to-face

January 2016  
to present

**University Supervisor**, *Internship II Students (i.e., fulltime, final internship)*  
East Carolina University, College of Education

- Supervise final internship undergraduate student teachers in elementary schools
- Review and approve lesson plans
- Observe teaching and provide formal constructive feedback and progress reports
- Assess teaching, planning, reflection, and professional dispositions
- Maintain effective and productive communication between and with clinical teachers, interns, and the university supervisor

- August 2013 to December 2013 **Co-Instructor** for *Psychological Foundations of Education*  
Virginia Tech, School of Education
- Course topics include psychology as it is studied for educational and learning purposes, including its main tenants and a brief historical perspective
  - Collaborated to plan, implement, and assess student learning experiences (as graduate student)
  - Undergraduate level, face-to-face

- January 2013 to May 2013 **Co-Instructor** for *Motivation and Cognition*  
Virginia Tech, School of Education
- Course topics include motivation theories, constructs, and research
  - Co-taught with Dr. Brett Jones (as graduate student)
  - Collaborated to plan, implement, and assess student learning experiences
  - Graduate level, face-to-face

## **K-12, Professional Teaching**

- August 2007 to May 2011 **Fifth-grade teacher**  
Northwest Elementary School, Pinellas County, Florida
- Taught fifth-grade general and special education students (inclusion classroom)
  - Subjects: math, science, reading, writing, social studies, and human growth and development
  - Developed, directed, and coordinated the Northwest Elementary Green Team and served as the Northwest Elementary Green & Clean Committee Co-Chair; 2008 to 2011
    - Recycling Program initiator, director, and organizer
    - The award-winning program brought additional funds to the school
    - Focus on increasing school-wide environmental awareness
  - Planned science curriculum for the fifth-grade team
  - Presented specialized science trainings at faculty meetings
  - Served as the school's Social Studies Department contact person; 2008 to 2011
  - Served as a Reading Festival Committee member; 2009 to 2011
  - Maintained a classroom website

June 2010 to July 2010 **Collaborator in developing 2012 Social Studies Curriculum Guide**  
Pinellas County School Board, Pinellas County, Florida

January 2007 to June 2007 **Sixth- through eighth-grade special education teacher**  
Richard L. Sanders Center, Pinellas County, Florida

- Taught students with emotional behavioral disorders with either cognitive disabilities or severe learning disabilities at a center for students with “severe” emotional behavioral disorders
- Subjects: reading, language arts, math, science, social studies, life skills training, and affective/behavioral skills training
- Served as each student’s case manager
- Developed Individualized Education Plans (IEP), participated in IEP meetings
- Collaborated with a variety of professionals (e.g., behavior specialists, school psychologists, teaching associate)
- Completed action research project with students as participants (thesis)

## K-12, Teaching Internships

August 2006 to November 2006	<b>Fifth-grade full-time student teacher</b> Westgate Elementary School, Pinellas County, Florida
January 2006 to April 2006	<b>Kindergarten through fifth-grade ESOL</b> (English Speakers of Other Languages) resource Lakewood Elementary School, Pinellas County, Florida
August 2005 to May 2006	<b>Sixth- through eighth-grade special education part-time student teacher</b> Morgan Fitzgerald Middle School, Pinellas County, Florida
August 2004 to May 2005	<b>Third-grade part-time student teacher</b> Sawgrass Lake Elementary School, Pinellas County, Florida

## RESEARCH INTERESTS

My research interests include academic motivation and educational technologies (ePortfolio in particular). I have particular interest and experience in approaching research from the contexts person-centered methods (e.g., cluster analysis), STEM education, diverse populations including traditionally underrepresented groups (e.g., students situated in low-SES and rural schools, students with disabilities), and higher education pedagogy.

## PUBLICATIONS AND MANUSCRIPTS

### Papers in Refereed Journals

- Chittum, J. R.**, Jones, B. D., & Carter, D. (2019). A person-centered investigation of patterns in college students' perceptions of motivation in a course. *Learning and Individual Differences, 69*, 94-107. doi:10.1016/j.lindif.2018.11.007
- Chittum, J. R.** (2018). The theory-to-practice ePortfolio: An assignment to facilitate motivation and higher order thinking. *International Journal of ePortfolio, 8*(1), 27-42.
- Chittum, J. R.**, & Jones, B. D. (2017). Identifying pre-high school students' science class motivation profiles to increase their science identification and persistence. *Journal of Educational Psychology, 109*(8), 1163-1187. doi:10.1037/edu0000176

- Chittum, J. R.**, Jones, B. D., Akalin, S., & Schram, A. B. (2017). The effects of an afterschool STEM program on students' motivation and engagement. *International Journal of STEM Education*, 4(11), 1-16. doi:10.1186/s40594-017-0065-4
- Chittum, J. R.**, McConnell, K. D., & Sible, J. (2017). SCALE(ing)-UP teaching: A case study of student motivation in an undergraduate course. *Journal on Excellence in College Teaching*, 28(3), 119-157.
- Jones, B. D., Sahbaz, S., Schram, A. B., & **Chittum, J. R.** (2017). Using psychological constructs from the MUSIC Model of Motivation to predict students' science identification and career goals: Results from the US and Iceland. *International Journal of Science Education*, 39(8), 1089-1108. doi:10.1080/09500693.2017.1319093
- Jones, B. D., **Chittum, J. R.**, Akalin, S., Schram, A. B., Fink, J., Schnittka, C., . . . & Brandt, C. (2015). Elements of design-based science activities that affect students' motivation. *School Science and Mathematics*, 115(8), 404-415. doi:10.1111/ssm.12143
- Doolittle, P. E., Bryant, L., & **Chittum, J. R.** (2015). Effects of degree of segmentation and learner disposition on multimedia learning. *British Journal of Educational Technology*, 46(6), 1333-1343. doi:10.1111/bjet.12203
- Chittum, J. R.**, & Jones, B. D. (2015). Motivating students to engage during reading instruction: Intentionally designing instruction using a model of academic motivation. *Ohio Reading Teacher*, 45(1), 29-40.
- Chittum, J. R.**, & Bryant, L. H. (2014). Reviewing to learn: Graduate student participation in the professional peer-review process to improve academic writing skills. *International Journal of Teaching and Learning in Higher Education*, 26(3), 473-484.
- Bryant, L. H., & **Chittum, J. R.** (2013). ePortfolio effectiveness: A(n ill-fated) search for empirical support. *International Journal of ePortfolio*, 3(2), 198-198.

### **Papers Submitted to Refereed Journals**

- Stapleton, J. N., Fogarty, E. A., Tschida, C. M., Cuthrell, K. C., & **Chittum, J. R.** (2018). Investigating co-teaching, instructional coaching, and student characteristics in student teaching: Impact on teacher readiness. *Action in Teacher Education*.

### **Manuscripts in Preparation**

- Chittum, J. R.**, Cuthrell, K., Tschida, C., Fogarty, L., & Stapleton, J. (in progress). *The program and the person: Person-centered investigation into teacher candidates' motivation in their internship*. Manuscript in preparation.
- Chittum, J. R.**, Jones, B. D., & Rakes, L. (in progress). *A person-centered study of student motivation profiles in math class: Comparing profiles from grade school to college*. Manuscript in preparation.
- Ruff, C., Bryant, L. H., **Chittum, J. R.**, & Gray, D. (in progress). *An approach to practice-relevant motivation research*. Manuscript in preparation.

**Chittum, J. R., & Woodyard, J. M.** (in progress). *ePortfolio research 2.0: New standards, new beginnings*. Manuscript in preparation.

**Chittum, J. R., & Rutherford, T.** (in progress). *Person-centered study of grade school students' expectancy-value beliefs about math*. Research in progress.

## PRESENTATIONS

### Invited Presentations

Joseph, C., & **Chittum, J. R.** (2017, August). *View from the university: Using an instructional resource guide to facilitate critical thinking through writing and discussion in undergraduate teacher preparation courses*. Opening keynote presentation at the Biennial Eastern Carolina Writing Symposium, Greenville, NC.

**Chittum, J. R., & Jones, B. D.** (2017, April). *Identifying pre-high school students' science class motivation profiles to increase their science identification and persistence*. Invited faculty lecture presentation at the 2017 East Carolina University College of Education Faculty Research Showcase, Greenville, NC.

- The annual Faculty Research Showcase is a competitive, peer-reviewed event showcasing research in ECU's College of Education. The invited lecturers compete for the honor college-wide and are awarded an honorarium.

**Chittum, J. R.** (2016, August). *Pouring the foundation: A look at where we've been and where we're heading with ePortfolio research*. Keynote presentation at the annual meeting of the Association for Authentic, Experiential and Evidence-Based Learning, Boston, MA.

**Chittum, J. R.** (2015, November). *Our journey toward a science-based practice: Leveraging research to guide ePortfolio's future in education*. Closing keynote presentation at the Association for Authentic, Experiential and Evidence-Based Learning Southeast Regional Conference 2015, Athens, GA.

### Symposium Sessions

**Chittum, J. R.** (2016, April). The need to demonstrate relevance to practice: A crossroads for motivation research. In D. Gray (Chair), *Practice-relevant motivation research 2.0: Building a new approach*. Symposium conducted at the annual meeting of the American Educational Research Association, Motivation in Education Special Interest Group, Washington, DC.

### Future Presentations: UNDER REVIEW or ACCEPTED TO BE PRESENTED

**Chittum, J. R., Jones, B. D., & Carter, D.** (2019, January). *Grouping students by type of motivation: Theoretical implications for instruction*. **Paper accepted** for presentation at the 2019 Conference on Higher Education Pedagogy, Blacksburg, VA.



## Paper Presentations

- Chittum, J. R., & Rutherford, T.** (2018, August). *Expectancy-value perceptions of math and English language arts: Exploring person-centered profiles*. Individual paper presented at the annual American Psychological Association Convention: Division 15, San Francisco, CA.
- Chittum, J. R.,** Cuthrell, K., Stapleton, J., Fogarty, E., Tschida, C., & Jones, B. (2018, April). *Motivation profiles of student teachers: A person-centered study to guide program awareness and improvement*. Proposal presented at the annual meeting of the American Educational Research Association, New York, NY.
- Chittum, J. R.,** Cuthrell, K., Tschida, C., Fogarty, E., & Stapleton, J. (2018, March). *Guiding innovations in clinical practice by investigating motivation in co-teaching vs. traditional student teaching*. Paper presented at the 70<sup>th</sup> annual meeting of the American Association of Colleges for Teacher Education, Baltimore, MD.
- Joseph, C., & **Chittum, J. R.** (2018, February). *Low-stakes writing to facilitate higher-order thinking*. Proposal presented at the Conference on Higher Educational Pedagogy, Blacksburg, VA.
- Chittum, J. R.,** Watson, C. E., & Woodyard, J. M. (2018, January). *Tools to support your ePortfolio research and practice: New resources from AAC&U*. Paper presented at the annual meeting of the Association of American Colleges and Universities, Forum on Digital Learning and ePortfolios, Washington, DC.
- Chittum, J. R.** (2018, January). *Investigating the impact of a theory-to-practice ePortfolio assignment: Transforming learning and increasing motivation*. Paper presented at the annual meeting of the Association of American Colleges and Universities, Forum on Digital Learning and ePortfolios, Washington, DC.
- Chittum, J. R.,** Cuthrell, K., Tschida, C., Fogarty, E., & Stapleton, J. (2017, October). *The program and the person: Person-centered and linear analyses to guide decision-making*. Paper presented at the National Conference on Co-Teaching, Minneapolis, MN.
- Chittum, J. R.** (2017, July). *The theory-to-practice ePortfolio: Using an ePortfolio assignment to facilitate learning and motivation*. Paper presented at the annual meeting of the Association for Authentic, Experiential and Evidence-Based Learning, Portland, OR.
- Sahbaz, S., **Chittum, J. R.,** Jones, B. D., Schram, A. B. (2017, April). *Relationships among students' science class perceptions, science identification, and career goals*. Paper presented at the 2017 meeting of the American Educational Research Association, San Antonio, TX.
- Joseph, C., & **Chittum, J. R.** (2017, February). *Presenting an instructional resource guide to integrate writing in higher education courses*. Paper presented at the 2017 Conference on Higher Education Pedagogy, Blacksburg, VA.
- Chittum, J. R., & Woodyard, J. M.** (2016, August). *A look at the outcomes-focused empirical research: Examining what we know about ePortfolio*. Paper presented at the annual meeting of the Association for Authentic, Experiential and Evidence-Based Learning, Boston, MA.
- Chittum, J. R.,** Jones, B. D., Akalin, S., & Schram, A. (2016, April). *The impact of an afterschool design-based science program on middle grades students' motivation and engagement*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.

- Joseph, C., & **Chittum, J. R.** (2016, February). *Presenting an instructional resource guide to implement problem solving in higher education courses*. Paper presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.
- Woodyard, J. M., **Chittum, J. R.**, & Caison, E. (2016, February). *Trends in ePortfolio research: Where is the field heading?* Paper presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.
- Chittum, J. R.**, & Woodyard, J. M., (2015, November). *ePortfolio effectiveness in many contexts: An open-access tool for identifying and using the evidence*. Paper presented at the Association for Authentic, Experiential and Evidence-Based Learning Southeast Regional Conference 2015, Athens, GA.
- Sible, J., **Chittum, J. R.**, & McConnell, K. D. (2015, May). *Students' perceived motivation in SCALE-UP science courses: A mixed methods study*. Paper presented at the Connections 2015 Conference, Blacksburg, VA.
- Jones, B. D., Sahbaz, S., & **Chittum, J. R.** (2015, April). *Science class motivational beliefs that impact students' science identification and career plans*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Chittum, J. R.**, & Jones, B. D. (2015, February). *The motivation profiles of students in science class*. Paper presented at the annual meeting of the Eastern Educational Research Association, Sarasota, FL.
- Chittum, J. R.**, McConnell, K. D., & Sible, J. (2015, February). *Examining undergraduate students' motivation in several SCALE-UP science courses*. Paper presented at the annual meeting of the Eastern Educational Research Association, Sarasota, FL.
- Chittum, J. R.**, Woodyard, J. M., & Bryant, L. H. (2015, February). *ePortfolio: Introducing a web-based tool for accessing and utilizing the scholarly evidence*. Paper presented at the annual Conference on Higher Education Pedagogy, Blacksburg, VA.
- Chittum, J. R.**, Woodyard, J. M., & Bryant, L. H. (2015, January). *ePortfolio effectiveness: A tool for accessing and utilizing the evidence*. Paper presented at the annual meeting of the Association of American Colleges and Universities, Forum on Digital Learning and ePortfolios, Washington, DC.
- Chittum, J. R.**, Sible, J., & McConnell, K. D. (2014, April). *SCALE(ing)-UP teaching: A case study of student motivation in an undergraduate cancer biology course*. Paper presented at the annual meeting of the American Educational Research Association Annual Meeting, Philadelphia, PA.
- Jones, B. D., Akalin, S., Schram, A., **Chittum, J. R.**, Fink, J., Schnittka, C., & Evans, M. (2014, April). *Elements of design-based science teaching that affect middle school students' motivation*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Akalin, S., Jones, B. D., Fink, J., Schram, A., & **Chittum, J. R.** (2013, November). *Motivating students to engage in science and engineering activities*. Paper presented at the National Science Teachers Association Area Conference, Charlotte, NC.
- Bryant, L. H., & **Chittum, J. R.** (2013, February). *Popularity vs. pedagogy: What do we know about ePortfolio?* Paper presented at the annual Conference on Higher Education Pedagogy, Blacksburg, VA.

**Chittum, J. R., & Bryant, L. H.** (2012, February). *Reviewing to learn: Can critiquing peer-reviewed manuscripts improve graduate student academic writing skills?* Paper presented at the annual meeting of the Eastern Educational Research Association, Hilton Head, SC.

Bond, A., Watson, C. E., **Chittum, J. R.**, Ogle, T., & Williams, D. (2012, October/November). *Investigating student perceptions of best teaching practices in online course settings.* Paper presented at the Association for Educational Communications and Technology International Convention, Louisville, KY.

**Chittum, J. R.** (2007, May). *Managing behavior in a self-contained special education classroom: The effect of breathing exercises and guided muscle relaxation on students with severe emotional disturbances.* Paper presented at the STAND Pinellas Accessing Resources Conference (SPARC), St. Petersburg, FL.

**Chittum, J. R.** (2007, May). *Action research: The effect of breathing exercises and guided muscle relaxation on the behavior of students with severe emotional disturbances.* Paper presented at The University of South Florida St. Petersburg, St. Petersburg, FL.

### **Workshop and Conversation Sessions**

**Chittum, J. R., & Bryant, L. H.** (2014, February). *ePortfolio effectiveness: A conversation on accessing the evidence.* Conversation session presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.

**Chittum, J. R.** (2013, November). *Creativity is back: Targeting science motivation, learning, and engagement with unique unit-based student portfolios.* Workshop presented at the National Science Teachers Association Area Conference, Charlotte, NC.

### **Poster Presentations**

**Chittum, J. R., & Jones, B. D.** (2017, August). *A person-centered study of student motivation profiles in math class: From grade school to college.* Poster presented at the annual American Psychological Association Convention: Division 15, Washington, DC.

**Chittum, J. R.** (2017, February). *Targeting meaning making: Using an ePortfolio assignment to facilitate learning and motivation.* Poster presented at the 2017 Conference on Higher Education Pedagogy, Blacksburg, VA.

Woodyard, J. M., **Chittum, J. R.**, & Caison, E. (2016, February). *ePortfolio research: A tool for accessing the evidence.* Poster presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.

Woodyard, J. M., **Chittum, J. R.**, & Bryant, L. H. (2015, April). *ePortfolio research: A tool for accessing and analyzing the scholarly evidence.* Poster presented at the 2015 Learning Sciences Research Symposium, Blacksburg, VA.

**Chittum, J. R., & Jones, B. D.** (2015, April). *Motivation profiles of upper-elementary and middle school students in science.* Poster proposal accepted for presentation at the annual meeting of the American Educational Research Association, Chicago, IL.

**Chittum, J. R.** (2015, February). *Students' perceived motivation in SCALE-UP science courses: A mixed methods study.* Poster presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.

- Schram, A. B., **Chittum, J. R.**, Minarovich-Cheniae, M., Al Zahrani, T., & Massi, J. (2014, March). *A proposal for evaluating the Conference on Higher Education Pedagogy*. Poster presented at the Connections 2014 Conference, Blacksburg, VA.
- Chittum, J. R.**, Schram, A. B., Minarovich-Cheniae, M., Al Zahrani, T., & Massi, J. (2014, February). *Evaluating the Conference on Higher Education Pedagogy: Plans and new directions*. Poster presented at the Conference on Higher Education Pedagogy, Blacksburg, VA.
- Fink, J., **Chittum, J. R.**, Schram, A., Akalin, S., & Jones, B. D. (2013, May). *Measures and methodologies for studying students' motivation in an informal learning environment*. Poster presented at the annual meeting of the Society for the Study of Motivation, Washington, DC.
- Akalin, S., Schram, A., **Chittum, J. R.**, Fink, J., & Jones, B. D. (2013, May). *Middle school students' motivation-related perceptions of afterschool science and engineering activities*. Poster presented at the annual meeting of the Society for the Study of Motivation, Washington, DC.
- Chittum, J. R.** (2012, February). *Crayons and college students: Instructional strategies that work in all educational settings*. Poster presented at the annual Conference on Higher Education Pedagogy, Blacksburg, VA.

## GRANT AFFILIATIONS

- *Under review*: Co-Principal Investigator. North Carolina Department of Public Instruction
  - Advanced Teaching Pathways to Facilitate Teacher Impact and Motivation
  - January 2019 to June 2024
  - Requested: \$616,664
- *Under review*: Co-Principal Investigator. Institute for Educational Sciences: Education Research Grants
  - Project Collaborate: Exploring the Essential Elements of Co-Teaching
  - August 2019 to July 2023
  - Requested: \$1,399,861
- *Under review*: Co-Principal Investigator. Institute for Educational Sciences: National Research and Development Center Program
  - Rural Education National Research and Development Center
  - January 2019 to December 2023
  - Requested: \$9,999,993.00
- *Not Funded, Invited to Resubmit*: Co-Principal Investigator. Institutes of Education Sciences (IES): Education Research and Development Centers
  - ECU Rural Education Institute – National Research and Development Center (REI-NRDC)
  - July 2018 to June 2023
  - Requested: \$9,992,012
- *Funded*. Principal Investigator. Internal Start-Up Grant supported by East Carolina University under Grant No. 092315
  - Investigating Academic Motivation in Eastern North Carolina
  - August 2015 to Jul 2018
  - Funded: \$30,247
- Collaborated on research supported by the National Science Foundation under Grant No. DRL-1029756

- Studio STEM: Engaging Middle School Students in Networked Science and Engineering Projects
- Collaborated on a grant supported by the National Science Foundation under Grant No. EEC-0846605
  - CAREER: An Exploration of Expert Teaching and Student Learning in Capstone Experiences

## HONORS AND AWARDS

### Higher Education and Research

- Nominated to serve as an Executive Board Member of the Association for Authentic, Experiential, and Evidence-Based Learning (AAEEBL); 2018
- Senior Scholar with the Office of Quality, Curriculum, and Assessment (OQCA), Association of American Colleges and Universities; 2018 to 2019
- *International Journal of STEM Education* first-author journal article posted online and e-mailed widely as one of the most highly-accessed recent publications; 2017
- ECU's College of Education Faculty Research Showcase Invited Lecturer; 2017
- Graduate Student Assembly Travel Award, Virginia Tech; 2015
- Motivation in Education Special Interest Group Graduate Student Travel Award, American Educational Research Association; 2015
- Outstanding Student in Educational Psychology award, Virginia Tech; 2014
- Graduated Magna Cum Laude, University of South Florida St. Petersburg; 2006
- Chancellor's List (4.0 GPA, top 5% of College) during all semesters at the University of South Florida St. Petersburg
- Dean's List of Scholars, College of Education, University of South Florida St. Petersburg
- Teacher for All Children Program Scholarship; 2006 to 2007
- Frances G. Elvidge Scholarship; 2005 to 2006

### Professional Educator

- Recipient of the Northwest Elementary PCTA Kraf-Custer Outstanding Educator Award; 2009
- Nominated for the Pinellas County Outstanding Educator of the Year award; 2010

## PROFESSIONAL SERVICE

### Higher Education

#### East Carolina University

- East Carolina University's College of Education Research Advisory Task Force; 2018 to present
- East Carolina University's College of Education Search Committee for an innovative Social Science Research and Analysis Methodologist faculty position; 2018 to present
- Guest Speaker, New Faculty Orientation Expert Panel: Research Highlight; October 2017
- Co-present workshop to university faculty as part of the University Writing Program's QEP initiative, titled "Innovate, Integrate, Motivate: Presenting a Resource Guide to Facilitate Critical Thinking Through Writing and Discussion in Your Course (two sessions); March 2017

- East Carolina University's ELMID Program Curriculum Committee Member, August 2016 to 2018
  - Curriculum revisions including changes to several courses and course development (including a Classroom Assessment course) were approved in AY 2016-2017. Ongoing course development duties are associated with this service.
- East Carolina University's ELMID Search Committee Co-Chair, August 2016 to May 2017
- East Carolina University's ELMID Program's Ad Hoc Curriculum Review Committee, August 2016 to May 2017
- East Carolina University's College of Education Library Committee; August 2015 to May 2017
- Conduct Upper Division student interviews annually, East Carolina University's Department of Elementary Education and Middle Grades Education; Fall 2015 to present
- Informally mentor fellow ECU COE faculty to provide research, publishing, and editorial support

### Professional Community

- Editor
  - Associate Editor of the *International Journal of ePortfolio*; 2012 to present
  - Senior Associate Editor of the *International Journal of Teaching and Learning in Higher Education*, 2011 to 2014
- Senior Scholar, Association of American Colleges and Universities (AAC&U); 2018 to 2019
  - Collaboration with the Office of Quality, Curriculum, and Assessment
  - Service aligned with [eportfolio.aacu.org](http://eportfolio.aacu.org) and associated research and leadership in the ePortfolio field
- Develop and maintain a website database hosted by the Association of American Colleges and Universities ([eportfolio.aacu.org](http://eportfolio.aacu.org)) for ePortfolio practitioners and researchers; 2014 to present
  - Currently funded and hosted by the Association of American Colleges and Universities
  - Includes available peer-reviewed ePortfolio literature and other resources
  - The website and related research have led to two invited keynote presentations for AAEEBL conferences
  - Previously <http://eportfolio.uga.edu>
- Reviewer
  - *Journal of Engineering Education*; 2017 to present
  - *International Journal of STEM Education*; 2017 to present
  - *International Journal of ePortfolio*; 2012 to present
  - *International Journal of Teaching and Learning in Higher Education*; 2011 to present
  - *APA Annual Convention, Division 15*; 2014, 2017
  - *Conference on Higher Education Pedagogy*; 2012 to 2015

### Other Institutions

- Cluster Analysis Workshop, North Carolina State University; October 17, 2017
  - Hosted by the Teacher Education and Learning Sciences Graduate Student Alliance
- Guest Speaker, University of South Florida St. Petersburg Applied Behavior Analysis course; 2009
  - Instructor: Mark A. Koorland, PhD
- Guest Speaker, University of South Florida St. Petersburg College of Education Internship Preparation Seminar; 2008
  - Coordinator: Bonita Braun, PhD

## K-12 Teaching

- Green and Clean Committee co-chair and school-wide recycling program initiator, director, and coordinator, Northwest Elementary School; 2008 to 2011
- Classroom observations: Selected for observations by peers and university interns
  - Observed by teachers from various Pinellas County schools during reading lessons, organized by Northwest Elementary School's County Reading Coach; 2009 to 2011
  - Observed by multiple Northwest Elementary School staff members and their USF St. Petersburg interns in reading, math, and science; 2008 to 2011
- Science curriculum coordinator for the fifth-grade team, Northwest Elementary School; 2007 to 2011
- Pinellas County Social Studies Department contact person for Northwest Elementary School; 2008 to 2011
- Reading Festival Committee member, Northwest Elementary School; 2009 to 2011
- Curriculum staff trainer, using formative assessment prompts in science curriculum, Northwest Elementary School; 2010
- Girlfriends of Pinellas County mentor; 2009 to 2010
- Classroom volunteer for Pinellas County Schools
  - Rawlings Elementary School, fourth-grade classroom; Lakewood High School, Exceptional Education Department; and Tomlinson Community School, various ESL classrooms
- Volunteer for several departments of the Pinellas Association for Retarded Children center

## SELECTED GRADUATE COURSEWORK & PROFESSIONAL STUDIES

### Research Methodologies

- Advanced Statistics (i.e., regression, introduction to path modeling)
- Quantitative Research Methods in Education
- Quantitative Research Methods in Education II
- Qualitative Methods in Education I
- Mixed Research Methods
- Evaluation Methods in Education
- Foundations of Educational Research
- Structural Equation Modeling, ICPSR Workshop Summer 2017
  - Ann Arbor, MI
  - Instructor: Dr. Kenneth Bollen
- Advanced studies in Cluster Analysis through dissertation and research

### Educational Psychology

- Motivation and Cognition
- Learning and Cognition
- Constructivism in Education
- Cognitive Processes in Educational Practice
- College Teaching
- Several Field Studies focused in rural and low-income upper elementary, middle grades, or undergrad STEM education

settings, educational psychology topics, and motivation research

#### Exceptional Student Education

- Advanced Psychoeducational Assessment of Exceptional Students
- Management and Motivation of Exceptional and At-Risk Students
- Instructional Approaches for the Exceptional Population (i.e., Universal Design)
- Advanced Theories and Practice in Behavioral Disorders
- Advanced Theories and Practices in Learning Disabilities
- Advanced Theories and Practices in Cognitive Disabilities
- Consultation and Collaboration in Special Education

## PROFESSIONAL AFFILIATIONS

- National Rural Education Association (NREA); 2018 to present
- American Psychological Association (APA); 2017 to present
  - Division 15: Educational Psychology member; 2014 to present
- Association for Authentic, Experiential, and Evidence-Based Learning (AAEEBL); 2015 to present
- American Educational Research Association (AERA); 2011 to present
  - Division C: Learning and Instruction
  - Motivation in Education Special Interest Group; 2014 to present
  - Studying and Self-Regulation Learning Special Interest Group; 2012
- Society for the Study of Motivation (SSM); 2013 to 2014
- National Science Teachers Association (NSTA); 2013
- Eastern Educational Research Association (EERA); 2011
- Elementary Science Teachers Association (ESTA); 2010 to 2011
- Parent-Teacher Association (PTA) member, Northwest Elementary School and Richard L. Sanders Center School; 2007 to 2011

## TECHNOLOGY SKILLS

- Proficient in SPSS software
- Developing proficiency in the R Project for Statistical Computing
- Developing proficiency in Mplus software (ICPSR SEM workshop)
- Proficient in Qualtrics survey development
- Versatile in OS X and Windows operating systems
- Versatile in Mac and PC software
- Proficient in educational and research productivity programs such as Digication, Moodle, BlackBoard, Sakai, Filemaker Pro, IG Pro, and Zotero
- Developing proficiency in website development using Wordpress
- Proficient in Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Outlook, Microsoft Publisher, Microsoft FrontPage, Adobe Photoshop, Adobe Acrobat Pro, GarageBand