

**Jillian R. Powers, Ph.D.**  
Associate Professor  
College of Education  
Department of Teaching and Learning  
Florida Atlantic University  
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## **EDUCATION/EMPLOYMENT HISTORY**

### **Degrees**

Ph.D., Curriculum and Instruction, 2014, Florida Atlantic University, Boca Raton, Florida, Area of Specialization: Instructional Technology.

- Dissertation Title: *Lutheran Schoolteachers' Instructional Usage of the Interactive Whiteboard*
- College of Education 2015 Outstanding Dissertation Award Nominee

M.Phil. Politics & Education, 2005, Columbia University, New York, New York

Ed.M., Politics & Education, 2004, Teachers College Columbia University, New York, New York

M.Ed., Elementary Education, 1996, Florida Atlantic University, Boca Raton, Florida

B.A., Spanish, 1994, Mount Holyoke College, South Hadley, Massachusetts

### **Certificates**

State of Florida Department of Education, Professional Educator's Certificate, Elementary Education, July 2013-2018

National School Reform Faculty, Critical Friends Group Coach, September 2013

### **Employment**

Florida Atlantic University, Boca Raton, Florida

- Associate Professor, August 2021 to present
- Assistant Professor, Department of Teaching and Learning (DTL), 2015 to 2021
- Instructor, Department of Teaching and Learning, 2014 to 2015

Palm Beach State College, Lake Worth, Florida

- Adjunct Instructor, Institute of Teacher Education, 2014 to 2015
  - Taught EPI 0004 - The Teaching and Learning Process

- Instructional Designer, Institute of Excellence in Early Care and Education, 2013 to 2014
  - Designed, developed, and led instructional modules used to provide technology training for early childhood practitioners
  - Worked collaboratively with a team of instructional designers to convert face-to-face courses to hybrid and online delivery methods

Florida Atlantic University, Boca Raton, Florida

- Adjunct Instructor, Department of Curriculum, Culture, and Educational Inquiry, 2012 to 2013
  - Taught EDF 200 5 - Introduction to the Teaching Profession

Trinity Lutheran School, Delray Beach, Florida

- Computer Teacher, Preschool through 8th Grade, 2006 to 2013

Fort Lee School District, Fort Lee, New Jersey

- Computer Teacher, Kindergarten through 6th Grade, 2000 to 2001

Moriah School of Englewood, Englewood, New Jersey

- Computer Teacher, Elementary Grades, 1998 to 2000

Teachers College, Columbia University, New York, New York

- Research Assistant, 1997 to 1998

SIRS Publishing, Inc., Boca Raton, Florida

- Research Assistant, 1995 to 1996

Saint Joseph's Episcopal School, Boynton Beach, Florida

- First Grade Assistant Teacher, 1994 to 1995

## **SCHOLARSHIP/RESEARCH/CREATIVE ACTIVITY**

### **Publications in Print**

### **Refereed Journal Articles**

#### **International**

Willems, P.P., Gonzalez-DeHass, A.R., Powers, J.R., & Musgrove, A.T. (2021). The role of authentic teaching cases and mastery approach goals in online pre-service teachers' self-regulated learning. *Educational Technology Research and Development*. 69(2), 1003-1023. <https://doi-org.ezproxy.fau.edu/10.1007/s11423-021-09972-9>

Furner, J. M., Powers, J. & Brown, S. (2021). Studying Mayan culture in the elementary classroom: Integrating mathematics, visual arts and technology.

*International Journal of Whole Schooling*, 17(1), 1-29.

[http://www.wholeschooling.net/Journal\\_of\\_Whole\\_Schooling/articles.html](http://www.wholeschooling.net/Journal_of_Whole_Schooling/articles.html)

Bousalis, R., Powers, J., & Musgrove, A. (2020). Media and historical literacy: Changing the context of history. *Journal of Literacy and Technology*, 21(4), 38-57.

[http://www.literacyandtechnology.org/uploads/1/3/6/8/136889/jltv21\\_4\\_bousalis\\_powers\\_musgrove.pdf](http://www.literacyandtechnology.org/uploads/1/3/6/8/136889/jltv21_4_bousalis_powers_musgrove.pdf)

Powers, J. R. & Musgrove, A. T. (2020) Integrating 1:1 computing into the elementary classroom: How planning time makes a difference, *Computers in the Schools*, 37(2), 92-115. <https://doi.org/10.1080/07380569.2020.1755773>

Brown, V., Powers, J., Toussaint, M., & Lewis, D. (2020). Subtitles in a multimedia learning environment: The interplay of recall, transfer, and perceived mental effort for students with attention-deficit symptoms. *Journal of Educational Multimedia and Hypermedia*, 29(2), 133-150. <https://www.learntechlib.org/primary/p/210633/>

Powers, J., & Azhar, M. (2020). Preparing teachers to engage students in computational thinking through an introductory robot design activity, *Journal of Computers in Mathematics and Science Teaching*, 39(1), 49-70.

<https://www.learntechlib.org/primary/p/213891/>

Musgrove, A., Powers, J., Gonzalez-DeHass, A., & Willems, P. (2019). Developing and modeling pedagogy with interactive video. *Journal of Educational Multimedia and Hypermedia*, 28(1), 57-73. <https://www.learntechlib.org/primary/p/183588/>

Musgrove, A. T., Powers, J. R., Rebar, L. C., & Musgrove, G. J. (2018). Real or fake? Resources for teaching college students how to identify fake news. *College & Undergraduate Libraries*, 25(3), 243-260.

<https://doi.org/10.1080/10691316.2018.1480444>

### **National**

Powers, J. R., Musgrove, A. T., & Nichols, B. H. (2020). Teachers bridging the digital divide in rural schools with 1:1 computing, *The Rural Educator*, 41 (1), 61-76.

<https://doi.org/10.35608/ruraled.v41i1.576>

### **Regional/local**

Brown, V.; Powers, J.; Musgrove, A.; & Olden, D. (2020). Raising the bar with professional development in the use of distance learning tools. *FDLA Journal*, 5, 1-6.

<https://nsuworks.nova.edu/fdla-journal/vol5/iss1/3>

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**Books**

Bryan, V. C., Musgrove, A. T., & Powers, J. R. (Eds.) (2018). *Handbook of research on human development in the digital age*. Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-5225-2838-8>

**Book Chapters**

Brown, S. L., Bird, J. L., Musgrove, A., & Powers, J. (2021). Leading Learning Communities with Creative Practice. In Management Association, I. (Ed.), *Research Anthology on Facilitating New Educational Practices Through Communities of Learning* (pp. 91-103). IGI Global. <http://doi:10.4018/978-1-7998-7294-8.ch006>

Powers, J. R. (2018). Parochial School Teachers Instructional Use of the Interactive Whiteboard. In *Teacher Training and Professional Development: Concepts, Methodologies, Tools, and Applications* (pp. 1502-1527). Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-5225-5631-2.ch069>

Powers, J. R. (2018). Parochial School Teachers Instructional Use of the Interactive Whiteboard. In *Handbook of Research on Human Development in the Digital Age* (pp. 109-134). . Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-5225-2838-8.ch006>

Powers, J. R., Musgrove, A. T., & Lowe, J. A. (2018). Technology shaping education in rural communities. In Bryan, V. C., Musgrove, A. T., & Powers, J. R. (Eds.), *Handbook of Research on Human Development in the Digital Age*, (pp. 184-204). Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-5225-2838-8.ch009>

Brown, S. L., Bird, J. L., Musgrove, A., & Powers, J. (2017). Leading learning communities with creative practice. In V. C. X. Wang (Ed.), *Encyclopedia of Strategic Leadership and Management* (pp. 1379-1390). Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-5225-1049-9.ch096>

Powers, J. & Musgrove, A. (2016). Putting the "P" into TPACK: Using digital tools to design 21st century lessons. In Liu, L. & Gibson, D. (Eds.). *Research Highlights in Technology and Teacher Education 2016* (pp. 37-43). Waynesville, NC: Association for the Advancement of Computing in Education. <https://www.learntechlib.org/primary/p/174168/>

Brown, S., Bird, J., Musgrove, A. & Powers, J. (2016). The digital journey: Integrating technology into teaching and learning. In V. C. X. Wang (Ed.), *Handbook of research on learning outcomes and opportunities in the digital age* (pp. 611-642). Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-4666-9577-1.ch027>

## Works in Press

### International Journals: Refereed

Powers, J., Musgrove, A., Lapp, S. & Dunn, S. (in press). Elementary teachers' adoption of 1:1 computing to differentiate instruction: Organizational factors that make a difference. *Journal of Interactive Learning Research*, TBA.

## Works Currently Under Review

### International Journals: Refereed

Musgrove, A., Powers, J. Azhar, M. (Under review). Pre-service teachers designing assistive educational robots using computational thinking and UDL (submitted to *Contemporary Issues in Technology and Teacher Education*, 28 pages).

Musgrove, A., Powers, J., Nichols, B., & Lapp, S. (Under review). Exploring the role of elementary teachers' TPACK in the adoption of 1:1 computing across subject areas. (submitted to *International Journal of Technology in Teaching and Learning*, 31 pages).

### National Journals: Refereed

Willems, P., Gonzalez-DeHass, A., Powers, J. & Musgrove, A. (Under review). Parental involvement in students' digital learning: respecting family perspectives, improving confidence with technology, and extending genuine invitations. (submitted to the *Educational Psychologist*, 47 pages).

## Refereed Presentations and Proceedings

### Papers Published in Proceedings, International

Powers, J., Musgrove, A. & Azhar, M. (2021). Pre-service Teachers Designing Assistive Educational Robots. In E. Langran & L. Archambault (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1261-1266). Online, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/219314/>.

Musgrove, A., Powers, J., Willems, P. & Gonzalez-DeHass, A. (2021). Supporting All Parents' Involvement in K-12 Online Learning. In E. Langran & L. Archambault (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 305-308). Online, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/219158/>.

Powers, J., Azhar, M. & Gustinelli, L. (2020). Integrating Computational Thinking into Teacher Education through an Unplugged Robot Design Lesson. In D. Schmidt-Crawford

(Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 91-94). Online: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/215735/>

Brown, V., Powers, J., Musgrove, A. & Olden, D. (2020). How Professional Development Choices Influence Faculty Self-Efficacy and Attitudes in the Adoption of Distance Learning Tools. In D. Schmidt-Crawford (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 389-394). Online: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/215773/>

Willems, P., Gonzalez-DeHass, A., Powers, J. & Musgrove, A. (2019). Online Pre-Service Teachers' Self-Regulated Learning: Do Authentic Teaching Cases and Mastery Approach Goals Play a Role?. In K. Graziano (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 576-582). Las Vegas, NV, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/215773/>

Musgrove, A., Powers, J., Gonzalez-DeHass, A. & Willems, P. (2018). Developing and Modeling Pedagogy with Interactive Video. In E. Langran & J. Borup (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1649-1655). Washington, D.C., United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/182749/>

Powers, J., Musgrove, A. & Rebar, L. (2017). Creative Applications of LibGuides to Teach Undergraduate Students Information Literacy Skills. In P. Resta & S. Smith (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1407-1413). Austin, TX, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/177424/>

Powers, J. & Musgrove, A. (2016). Putting the "P" into TPACK: Using Digital Tools to Design 21st Century Lessons. In G. Chamblee & L. Langub (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 3042-3049). Savannah, GA, United States: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/172124/>

### **International Presentations**

Brown, S., Musgrove, A., Powers, J. & Bird, J. (July 30, 2021), *Integrating AI and Innovative Technology into Teaching and Learning*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Online.

Musgrove, A., Powers, J., Willems, P. & Gonzalez-DeHass, A. (March 31, 2021). *Supporting All Parents' Involvement in K-12 Online Learning*. Presented at Society for Information Technology & Teacher Education International Conference, Online.

Powers, J., Musgrove, A., Azhar, M. (March 31, 2021). *Pre-service Teachers Designing Assistive Educational Robots*. Presented at Society for Information Technology & Teacher Education International Conference, Online.

Brown, S., Powers, J., Musgrove, A., & Bird, J. (July 31, 2020). *Using Technology to Enhance Creative Journals*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Online.

Powers, J. & Musgrove, A. (April 10, 2020). *Integrating 1:1 Computing into the Elementary Classroom: Why Planning Time Makes a Difference*. Presented at Society for Information Technology & Teacher Education International Conference, Online.

Powers, J., Azhar, M., & Gustenilli, L. (April 9, 2020). *Integrating Computational Thinking into Teacher Education through an Unplugged Robot Design Lesson*. Presented at Society for Information Technology & Teacher Education International Conference, Online.

Brown, V., Powers, J., Musgrove, A. & Olden, D. (April 9, 2020). *How Professional Development Choices Influence Faculty Self-Efficacy and Attitudes in the Adoption of Distance Learning Tools*. Presented at Society for Information Technology & Teacher Education International Conference, Online.

Bousalis, R., Powers, J. & Musgrove, A. (March 21, 2019). *Media and Historical Literacy: Changing the Context of History*. Presented at Society for Information Technology & Teacher Education International Conference, Las Vegas, NV.

Willems, P., Gonzalez-DeHass, A., Powers, J., & Musgrove, A. (March 20, 2019). *Online Pre-Service Teachers' Self-Regulated Learning: Do Authentic Teaching Cases and Mastery Approach Goals Play a Role?* Presented at Society for Information Technology & Teacher Education International Conference, Las Vegas, NV.

Powers, J. (November 15, 2018). *Mobile Tools for Accessibility*. Presented at the Online Learning Consortium Accelerate Conference 2018, Orlando, FL.

Powers, J., & Musgrove, A. (June 18, 2018). *Teachers' Instructional Use of One-to-One Computing in Two University Schools*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Brunel University, London, England.

Musgrove, A., Powers, J., Gonzalez-DeHass, A. & Willems, P. (March 29, 2018). *Developing and Modeling Pedagogy with Interactive Video*. Presented at Society for Information Technology & Teacher Education International Conference, Washington, D.C.

Powers, J. R. (November 16, 2017). *Through Their Eyes: Tools and Tips for Making Online Courses Accessible to Visually Impaired Learners*. Presented at the Online Learning Consortium Accelerate Conference 2017, Orlando, FL.

Powers, J. & Musgrove, A. (June 20, 2017). *Teachers' Instructional Usage of 1:1 Computing in a Rural School District*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Trinity College, Dublin, Ireland.

Musgrove, A., Powers, J., Musgrove, G., & Rebar, L. (June 20, 2017). *Teaching College Students How to Identify Fake News*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Trinity College, Dublin, Ireland.

Powers, J., Musgrove, A., & Rebar, L. (2017, March). *Creative Applications of LibGuides to Teach Undergraduate Students Information Literacy Skills*. Presented at Society for Information Technology & Teacher Education International Conference, Austin, TX.

Powers, J. (July 6, 2016). *Lutheran School Teachers' Instructional Usage of the Interactive Whiteboard*. Presented at the Association for Ubiquitous and Collaborative Educators International Annual Meeting, Trinity College, Dublin, Ireland.

Powers, J., & Musgrove, A. (March 24, 2016). *Putting the "P" into TPACK: Using Digital Tools to Design 21st Century Lessons*. Presented at Society for Information Technology & Teacher Education International Conference, Savannah, GA.

### **National Presentations**

Musgrove, A., Powers, J., Harford, S., & Banner, P. (February 9, 2021). *Training Technology Test Kitchen: Accessibility for All Learners*. Presented at the Training Conference, Online.

Gonzalez-DeHass, A., Willems, P., Powers, J., & Musgrove, A. (May 23, 2019). *Up Your Instructional Game: Strategies for Using Complex and Authentic Cases to Encourage Students' Active Self-Regulated Learning*. Association for Psychological Science Annual Convention, Washington, D.C.

Rebar, L., Powers, J., & Musgrove, A. (January 28, 2019). *Free and Low-Cost Assistive Technology for Teachers and Students*. Poster presented at the Future of Education Technology Conference, Orlando, FL.

Rebar, L., Musgrove, A., & Powers, J. (January 27, 2019). *Tools to Fight Fake News: Teaching Information Literacy to Students*. Presented at the Future of Education Technology Conference, Orlando, FL.



Musgrove, A., Powers, J., & Rebar, L. (January 26, 2018). *Real or Fake? Teachers and Librarians Share Information Literacy Strategies*. Future of Education Technology Conference, Orlando, FL.

Willems, P. Gonzalez-DeHass, A., Musgrove, A.T., Powers, J. R., & Rhone, A. (August 4, 2017). *Using Video-Case Study Instruction to Enhance Students' Online Learning of Educational Psychology*. Presented at the 124th Annual Meeting of the American Psychological Association (APA), Washington, D.C.

### **Regional/Local Presentations**

Brown, V., Powers, J., & Musgrove, A. (October 1, 2020). *Raising the Bar with Professional Development in the Use of Distance Learning Tools*, Florida Distance Learning Association 2020 Annual Conference, Online.

Powers, J., Gonzalez DeHass, A., Musgrove, A., & Willems, P. (April 20, 2018). *Using Free Web-Based Interactive Video to Enhance Teaching and Learning*. Presented at the 2018 Teaching with Technology Showcase, Florida Atlantic University, Davie, FL.

Rebar, L., Powers, J. & Musgrove, A. (October 20, 2017). *Teaching Information Literacy Skills to Help College Students Identify Fake News*. Presented at the Florida Association of Libraries 2017 Annual Conference, Tampa, FL.

Rebar, L., Musgrove, A., & Powers J. (May 11, 2017). *Creatively Teaching Information Literacy Skills with LibGuides*. Presented at the Florida Library Association's 2017 Annual Conference, Orlando, FL.

### **Non-Refereed Publications, Presentations and Proceedings**

#### **Regional/Local Presentations**

Powers, J. (April 5, 2017). *Engaging Students with Emerging Technology in K-12 Classrooms*, Presented at the Florida Institute for the Advancement of Teaching, Florida Atlantic University, Boca Raton, FL.

### **Creative Activities and Achievements**

#### **Projects**

Preparing Pre-service Teachers to Integrate Computational Thinking, Artificial Intelligence, and Robotics into Instruction

- IRB notification February 2020 (in progress)
- Surveying undergraduate students taking instructional technology courses
- The purpose of the project is to examine the effectiveness of instructional modules on computational thinking, artificial intelligence (AI), and robotics to

provide pre-service educators with a fundamental knowledge of the topics and how to integrate them into their future classrooms.

- Principal investigator

#### Assessing Faculty Self-Efficacy and Attitudes toward Adopting Distance Learning Tools

- IRB notification December 2018 (in progress)
- Surveyed faculty regarding attitudes towards, self-efficacy or distance learning tools and experiences with professional development
- Principal investigator

#### Elementary Teachers' use of 1 to 1 Computing in an Urban School District

- IRB approved October 2018 (closed)
- Surveyed elementary teachers in a large urban school district about their experiences with a 1:1 computing initiative
- The project has produced three international journal article publications (2 published, 1 in press)
- Co-investigator

#### Teachers' Instructional Usage of 1:1 Computing in a University School

- IRB approved in October 2017 (closed)
- Surveyed teachers in two Florida university schools about their experiences with a 1:1 computing initiative
- The project resulted in an international conference presentation
- Co-investigator

#### Teachers' Instructional Usage of 1:1 Computing in a Rural School District

- IRB approved in April 2016 (closed)
- Surveyed teachers in a rural Florida school district about their experiences with a 1:1 computing initiative
- The project resulted in the publication of a national journal article.
- Principal investigator

## Grants

### Internal

Project Title: *Hands-on STEM Education Activities for Pre-service Teachers*  
(December 11, 2020)

- Awarded \$5,436.00 FAU Technology Fee Grant
- The selection process involved a comprehensive review by the Technology Fee Oversight Committee.
- Used the funds to purchase STEM education kits and materials for pre-service educators to apply theory in practice by taking part in hands-on STEM education activities.

Project Title: *The Development of Computational Thinking Skills through Robot Design Activities (October 25, 2019)*

- Awarded \$1,000.00 FAU Community Engagement Project grant
- The purpose of this collaboration is to introduce a series of computational thinking (CT) and robot design activities to K-8 students at a school in Delray Beach, FL, and to determine whether the lessons improve the CT skills of the middle school students. The selection process involved a comprehensive review by the Division of Research and Community Engagement Committee.

Project Title: *Virtual Apps for Online Instruction (April 2, 2016)*

- Secured an award for a \$4,639.50 FAU Technology Fee Grant
- The selection process involved a comprehensive review by the Technology Fee Oversight Committee.
- Used the funds to purchase Camtasia Studio software, which was installed on a virtual server. Masters of Instructional Technology students learned how to use the software and completed assignments, such as creating interactive learning modules with it.

## **COURSES TAUGHT AT FAU**

### **Undergraduate Courses**

EDF 200 5 - Introduction to the Teaching Profession  
EME 2040 - Introduction to Technology for Educators  
EME 4312 - Educational Technology for 21<sup>st</sup> Century Teaching  
EME 4810 - Applied Educational Technology

### **Graduate Courses**

EME 6209 - Self-Regulated Learning Systems  
EME 6415 - Courseware Design  
EME 6601 - Instructional Design  
EME 6623 - Technological and Theoretical Foundations of Learning  
EME 6716 - Organizing and Management Learning Technologies  
EDF 6905 - Directed Independent Study (DIS)  
EME 6945 - Field Experience in Education and Technology

### **Course Development**

EXCEED Technology Integration Team, Summer 2016. I co-chaired a team funded by the EXCEED Grant to design a new course (EME 4312). The new course deepens connections between coursework and practice in technology strategies.

## **Program Development**

K-12 Online Teaching Certificate, launched Fall 2021. I Co-developed a graduate certificate designed to prepare K-12 educators to design, manage, and deliver meaningful online and blended learning experiences for their students. Co-wrote syllabus for one new course EME 6456 K-12 Online Teaching Foundations.

Instructional Design Certificate, launched Fall 2020. I Co-developed a graduate certificate that teaches applied skills in instructional design, distance learning, and instructional technology to engage students and create web-based and multimedia instructional content.

## **Supervision of Graduate Students**

### **Academic Service Learning (ASL)**

The courses EME 6415, EME 6945, and EME 6209 are comprised of an ASL component for which I supervise graduate students volunteering in the field on instructional technology and design.

### **Doctoral Committees**

Served on the doctoral supervisory committee for Shernette Dunn Ph.D., a graduate of the Educational Leadership: Adult and Community Education program. Dissertation title: "Factors Predicting the Estimated Success of Culturally Diverse Students in Online Courses in Post-Secondary Education" (April 2019 to August 2020). Dr. Valerie Bryan, Chair

Serve on the doctoral supervisory committee for Robin McDaniel, Ph.D. Candidate in Educational Leadership: Adult and Community Education. Dissertation title: "An Autoethnographic Study of How Social Constructs Impact Learning Efficacy: The Multi-user Virtual Environment of Second Life" (April 2018 to present). Dr. Valerie Bryan, Chair

## **Advising Activities**

Ph.D. Program in Curriculum in Instruction, Department of Curriculum, Culture and Educational Inquiry, Florida Atlantic University, Spring 2021 to present.

- Responsible for communicating degree requirements and assisting students in developing a plan of study.

Master's Degree Program in Instructional Technology, Department of Teaching and Learning, Florida Atlantic University, Summer 2015 to present.

- Responsible for communicating degree requirements and assisting students in developing a plan of study.

- Developed and circulated the Instructional Technology (IT) Updater newsletter beginning summer of 2021 to keep all IT students informed about program activities and research opportunities

## **SERVICE AND PROFESSIONAL DEVELOPMENT**

### **Service to the Institution**

#### **Department Service**

Member, Doctoral Admissions Committee, Department of Curriculum, Culture, and Educational Inquiry, Spring 2021

- Served as a member of the committee to review approximately 20 applications for the Ph.D. program in Curriculum and Instruction
- Attended committee meetings
- Reviewed and rated each applicant's transcripts, personal statements, and writing samples that were included as part of the initial application
- Participated in synchronous Zoom interviews with candidates and reviewed recordings of all interviews to rate interviews and post-interview writing samples

Member, Graduate Program Away Team, Fall 2020 to Spring 2021

- Collaborated with faculty members both within and outside the Department of Teaching and Learning to explore strategies to increase graduate student enrollment and expand graduates' career opportunities

#### **College Service**

Representative (Technology), CAEP Accreditation Team, Fall 2020 to present

- Serve on the CAEP team providing expertise in technology integration to support accreditation of COE teacher education and educational leadership programs.
- Attend recurring CAEP meetings, gather evidence and documentation of technology integration in FAU COE programs, and write narratives describing how FAU COE programs meet CAEP technology standards.

Member, FAU College of Education Assessment Committee, August 2016 to present

- Represent the Department of Teaching and Learning by serving on the College of Education Assessment Committee
- Attend meetings focused on improving the accreditation and assessment process in the College of Education
- Write reports of the assessment and evaluation of DTL degree programs.
- Serve as a liaison between the committee and DTL

Member, CIP Committee, Fall 2015 to Spring 2016

- Represented the Department of Teaching and Learning by serving on the College of Education CIP Committee. Worked to improve the educational outcomes of diverse students through focusing on it in meetings of the Diversity Committee.

Member, OIT Academic Advisory Committee, Florida Atlantic University, Fall 2018 to present

- Represent the College of Education on a committee that serves as a bi-directional communication channel to both inform the Colleges and other academic units of upcoming changes to the University's technological infrastructure and to get feedback from the Colleges and academic units on priorities, concerns, and opportunities

Invited Speaker, Careers in Education Panel - Florida Atlantic University, Jupiter, October 14, 2016

- Served on a panel as a guest speaker to discuss and answer questions about careers in the field of education with FAU students and alumni

### **University Service**

Graduation Marshall, Florida Atlantic University, Spring 2018

- Assisted in the orderly management of the ceremony, guiding graduates from Live Oak Pavilion through the graduation ceremony
- Attended training meeting for graduation marshall procedures

Member, Science, Technology, Engineering, Arts and Mathematics (STEAM) Steering Committee, Spring 2017 to Fall 2018

- Collaborate with researchers from across the university, providing input and influencing the future direction of STEAM research and activities at FAU

Mentor, The Mentoring Project, Florida Atlantic University, Fall 2015 to Spring 2020

- Mentor undergraduate students in pursuing their academic goals and interests via informal face-to-face meetings, electronic communications, and through utilizing the Connections Mentoring Project's programmed activities

Member, Center for Online and Continuing Education (formerly Center for eLearning) Advisory Board, Florida Atlantic University, Fall 2017 to present

- Work with faculty and staff from across the University to discuss and influence the direction of distance education policies and practices at FAU

### **Service to the Discipline/Profession**

Reviewer, *Computers & Education*, Spring 2021

- Served as a reviewer as part of the double-blind review process for the journal

- The journal aims to increase knowledge and understanding of how digital technology can enhance education through the publication of high-quality research, which extends theory and practice.

Reviewer, *Journal of Educational Computing Research (JECR)*, Fall 2020 to Spring 2021

- Served as a reviewer as part of the double-blind review process for JECR
- The journal provides an international scholarly publication forum for interdisciplinary research into the applications, effects, and implications of computer-based education

Peer Reviewer, Online Learning Consortium (OLC), Summer 2018

- Served as a peer reviewer of proposals for the November 2018 Accelerate Conference Innovations Tools and Technologies track. The OLC is a leading non-profit professional organization in the area of digital learning

Editorial Review Board Member, *Contemporary Issues in Technology and Teacher Education (CITE)*, Spring 2018 to present

- Serve as a peer reviewer as part of the double-blind review process for the CITE journal
- The journal is affiliated with the Association for the Advancement of Computing in Education, which is an international, non-profit educational organization with the mission of advancing information technology in education and e-learning research, development, learning, and its practical application.

Co-Chair, Information Literacy Education Special Interest Group (SIG), Society for Information Technology and Teacher Education (SITE), Spring 2018 to present

- Serve as co-chair of the Information Literacy Education SIG
- Manage the peer review process for conference proposals for the SIG
- Lead periodic SIG webinars and an annual meeting at the SITE conference
- Represent the SIG in leadership meetings and events at the SITE conference

TTK Committee Member, Technology Test Kitchen, Online Learning Consortium (OLC) Accelerate Conference 2017, Spring to Fall 2017

- Served as a member of a committee to help plan an interactive maker space at the fall 2017 OLC Accelerate Conference
- Attended committee member meetings to plan activities for the TTK maker space at the conference
- Reviewed presentation proposals (also known as recipes) and scheduled the accepted presentations. Helped design, set up, and break down the conference space
- Greeted conference participants visiting the TTK maker space and oriented them on the various facets of the exhibition

Peer Reviewer, Multimedia Educational Resources for Learning and Online Teaching (MERLOT), California State University, Summer 2015 to Spring 2019

- Attended online training sessions to become a peer reviewer for the Teacher Education, Instructional Technology category
- Provided review of at least one learning material per semester

Editorial Board Member, *Healthcare community synergism between patients, practitioners, and researchers*. Hershey, PA: Information Science Reference, Spring 2015 to Fall 2016

- Reviewed chapters for an edited book in a double-blind review process
- The book was edited by Dr. Valerie Bryan and Dr. Jennifer Lynne Bird (Florida Atlantic University)

### **Service to the Community/Public**

Project Team, ShapingEDU, Arizona State University, Connecting Learners for Work and Education: Universal Broadband Access in the United States. Fall 2020 to Spring 2021.

- Worked with a project team to design a self-directed training that explores the challenges and opportunities related to universal broadband access for learning and work and offers resources, strategies, and concrete actions to drive change to close the digital divide

Researcher, Broward County Publish Schools (BCPS), Broward County, FL, Spring 2018 - Summer 2020

- Conducted a survey and interviews of BCPS elementary school teachers regarding the implementation of a district 1:1 computing initiative in the schools
- Prepared an Executive Summary detailing the key findings of the research for school officials

Distance Learning Consultant, Greenacres Elementary School, Greenacres, FL, Spring 2020

- Provided guidance and support in utilizing distance education tools to 1st grade mathematics teacher Andrea Hillman
- Developed an online instructional module for 1st graders to practice developmentally appropriate keyboarding skills. This facilitated the students' ability to access the computer-based instruction that had shifted to online

Instructional Technology Specialist, St. Vincent Ferrer School, Delray Beach, FL, Spring 2019 to present

- This is an ongoing Community Engagement project, working collaboratively with the technology specialist at a local school to implement computational and design thinking through a series of unplugged and plugged robotics activities
- The materials to implement lessons, using educational robots and maker kits, were purchased under an FAU Community Engagement Project Grant, which I was awarded in the fall of 2019



- This has involved lesson planning, class visits, and supporting students through winning a Philanthropy Tank innovation competition, for which they were awarded a \$13,500.00 grant in the spring of 2020.
- The Philanthropy Tank award was used to purchase technology to develop an Idea Lab in which St. Vincent students teach younger students at the Hope Rural School in Indiantown, FL. I support this effort by providing lesson plans and curriculum to integrate computational thinking and computer science into the core elementary subjects.

Researcher, A.D. Henderson/FAU High School, Boca Raton, FL, Fall 2017 - Spring 2019

- Conducted a survey and teacher interviews regarding teacher's use of 1:1 computing in the schools
- Prepared an Executive Summary detailing the key findings of the research for school officials

Workshop Facilitator, Future Educators Association (FEA) of Broward County, November 20, 2015.

- Designed, developed and conducted a workshop, Cool Tools for Engaging 21st Century Learners, for a group of aspiring educators from high schools in BCPS who visited FAU as part of an FEA event

## **Professional Development**

Kognito At-Risk for University Faculty and Staff, *Florida Atlantic University*, January 11, 2021.

Certificate of Academic Community Course Build Competition for EME 2040: Introduction to Technology for Educations, *Florida Atlantic University*, September 1, 2020.

Effective Strategies for Learning and Teaching Online, *Association for the Advancement of Computing in Education*, August 3-14, 2020.

*FAU Division of Research Early Career Academy Member*, Fall 2019 – Spring 2020.

*Female Leader in Science Course*, HTP Consulting, November 5 - 6, 2019.

*Social & Behavioral Research Investigator Refresher Courses*, Collaborative Institutional Training Initiative, Online, June 2018.

*Leading Instructional Decision Making*, Marzano Center Essentials for Achieving Rigor, Florida Atlantic University, May 1, 2015.

*Leading Monitor and Measure*, Marzano Center Essentials for Achieving Rigor, Florida Atlantic University, April 24, 2015.

*Leading Rigorous Planning*, Marzano Center Essentials for Achieving Rigor, Florida Atlantic University, March 27, 2015.

*Bridges Out of Poverty Overview*, Children's Services Council of Palm Beach County, April 22, 2014.

*Cultural Competency Part 2*, Children's Services Council of Palm Beach County, December 10, 2013.

*Foundations for the Critical Thinking Trainer*, Palm Beach State College Center for Bachelor Programs, September 2013.

### **HONORS AND AWARDS**

FAU Woman Leader in STEM, 2019, FAU ADVANCE Leadership Team

### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

Member, International Society for Technology in Education (ISTE), 2021 to present

Member, Florida Distance Learning Association (FDLA), 2021 to present

Member of Society of Information Technology in Teacher Education (SITE) 2015 to present