

**Ann Terrill Musgrove, Ed.D.**

Florida Atlantic University

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**Educational/Employment History**

- Ed.D.** Educational Leadership - Adult and Community Education. Dissertation Title: An examination of the KOLB LSI and GEFT and their relationship to academic achievement in web-based and face-to-face nursing courses. Florida Atlantic University.
- Ed.S.** Instructional Technology/Adult and Community Education/Leadership. Florida Atlantic University.
- M.Ed.** Instructional Technology/Education Foundations. Florida Atlantic University.
- B.S.** Biology. Eckerd College.
- A.A.** General Studies. Northern Virginia Community College.

**Assistant Professor of Instructional Technology**, Dept. of Teaching & Learning, FAU, 2015-Present. Course load in Instructional Technology both face to face and online, undergraduate and graduate courses.

**Workshop Developer, Facilitator, Mentor** Online Learning Consortium, 2013-Present.

Instructional Design Certificate Program

Online Teaching Certificate Foundation

Course Digital Storytelling

Introduction to Audio and Video

Tools Exploring Interactive Video

New to Online- Converting Course

Content Multimodal Course Design

Mentor faculty members in the online teaching certificate program

Track Chair and Top Chef in Technology Test Kitchen

**Workshop Facilitator**, Quality Matters, 2013-2017

Applying the Quality Matters Rubric (foundation faculty development course), Teaching Online: An Introduction to Online Delivery

Peer Reviewer Certification.

Mentor Faculty members before and during course review process.

## **Scholarship/Research/Creative Activity**

### **Research**

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

- FAU IRB Feb. 2020 (active-exempt)
- Survey of FAU in EME 2040 and EME 4312 (spring, summer, fall 2020)
- Principal Investigator, Jillian Powers
- Co-investigator, Ann Musgrove, Mohammad Azhar CUNY

Assessing Faculty Self-Efficacy and Attitudes Toward Adopt Distance Learning Tools

- FAU IRB Dec. 2018 (active-exempt)
- Survey of FAU online faculty Feb. 2020
- Principal Investigator, Jillian Powers
- Co-investigator, Ann Musgrove, Vicki Brown, Ramonia Rochester, Daria Olden

Teachers' Instructional Usage of 1:1 Computing in a Large Urban School District

- FAU and Broward County Public Schools IRB approved in Nov. 2018 (closed still publishing articles)
- Surveyed elementary teachers in a large urban school district about their experiences with a 1:1 computing initiative
- Principal investigator, Ann Musgrove
- Co-PIs Jillian Powers, Suzanne Lapp, & Brian Nichols

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

- IRB approved in Oct. 2017 (closed)
- Surveyed teachers in two Florida University Schools about their experiences with a 1:1 computing initiative
- Principal investigator, Ann Musgrove
- Co-investigators, Jillian Powers

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

- IRB approved in April 2016 (closed)
- Surveyed teachers in a rural FL school district about their experiences with a 1:1 computing initiative
- Principal investigator, Jillian Powers
- Co-investigators Ann Musgrove, Bryan Nichols, and Jessica Lowe

### **Publications in Print**

#### **Articles in International Journals: Refereed**

Bousalis, R., Powers, J., & Musgrove, A. (In Press 2020). Media and

Historical Literacy: Changing the Context of History. *The Journal of Literacy and Technology*.

Powers, J., & Musgrove, A. (May 6, 2020). Integrating 1:1 Computing into the Elementary School Classroom: Why Planning Time Makes a Difference. *Computers in the Schools*. <https://doi.org/10.1080/07380569.2020.1755773>

Powers, J., Musgrove, A., Lapp, S. & Dunn, S. (In Press 2020). Elementary Schools Teachers Adoption of 1:1 Computing to Differentiate Instruction: Organizational Factors that Make a Difference. *Journal of Interactive Learning Research*.

Powers, J., Musgrove, A., & Nichols, B. (2020). Teachers Bridging the Digital Divide in Rural Schools. *The Rural Educator*, 41(1), 61-76. <https://doi.org/10.35608/ruraled.v41i1.576>

Musgrove, A., Powers, J., Gonzalez DeHass, A. & Willems, P. (2019). Developing and Modeling Pedagogy with Interactive Video. *Journal of Educational Media and Hypermedia*. 28(1), 57-73.

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>

### **Articles Accepted Pending Minor**

#### **Revisions**

Willems, P., Gonzalez-DeHass, A., Powers, J. & Musgrove, A. (Sept. 2020) The Role of Authentic Teaching Cases and Mastery Approach Goals in Online Pre-service Teachers Self-Regulated. Learning. *Educational Technology Research and Development*.

#### **Under Review**

Musgrove, A., Powers, J, Nichols, B, & Lapp, S. (Under Review, Sept. 2020). Exploring the role of elementary Teachers' TPACK in the adoption of 1-1 computing across subject areas. *Educational Technology Research and Development*.

Brown, S. & Musgrove, A. (Under Review, June 2020). Integrating Learning through Technology, Creativity and Human Rights. *Kappa Delta Pi Advocate*

Musgrove, A. & Brown, S. (Under Review, June 2020). Look for the Helpers: Technology Connects to Current Events. *Kappa Delta Pi Advocate Special Issue*

### **Proposals Accepted pending review of the final article**

Willems, P., Gonzalez-DeHass, A., Powers, J. & Musgrove, A. (Under Review, July. 2020). Parental Role Construction and Efficacy: Using Educational Technology to Support Parents' Involvement. *Educational Psychologist Special Issue*

### **Books**

Bryan, V. C., Musgrove, A. T., & Powers, J. R. (Eds.). (2018). *Handbook of Research on Human Development in the Digital Age*. IGI Global.  
<https://doi.org/10.4018/978-1-5225-2838-8>

### **Chapters**

Musgrove, A. T., Gunder, A., Knott, J. L., Tomsic, F., Banner, P., Melton, R., Goodrich, D., & Shah-Nelson, C. (2018). Technology-Enhanced Exploratory Installations to | Support Constructivist Professional Development: The Technology Test Kitchen. In V. Bryan, A. Musgrove, & J. Powers (Eds.), *Handbook of Research on Human Development in the Digital Age* (pp. 1-32). Hershey, PA: IGI Global.  
<https://doi.org/10.4018/978-1-5225-2838-8.ch001>

Powers, J. R., Musgrove, A. T., & Lowe, J. A. (2018). Technology Shaping Education in Rural Communities. In V. Bryan, A. Musgrove, & J. Powers (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 *Encyclopedia of Strategic Leadership and Management* (pp. 1379-1390). 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. (pp. 37-44). *Research Highlights in Technology and Teacher Education*. EBook Society for Information Technology & Teacher Education.  
<https://www.learntechlib.org/p/174168/>

Brown, S., Bird, J. L., Musgrove, A., & Powers, J. (2016). The Digital Journey: Integrating Technology into Teaching and Learning. In V. Wang (Ed.), *Handbook of Research on Learning Outcomes and Opportunities in the Digital Age* (pp. 611-642). Hershey, PA: Information Science Reference.  
<https://doi.org/10.4018/978-1-4666-9577-1.ch027>

### **Refereed Presentations and Proceedings**

#### **International Presentations**

Brown, S., Powers, J., Musgrove, A. & Bird, J. (2020), Using Technology to Enhance  
Ann T Musgrove

Creative Journals. *Association for Ubiquitous and Collaborative Educators International Annual Meeting*, Virtual.

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. Proceedings Society for Information Technology Conference Online. (pp)

Powers, J., Musgrove, A., & Musgrove, G. (2020). Integrating 1:1 Computing into the Elementary Classroom: Why Planning Time Makes a Difference. Presented at Society for Information Technology Conference Online, April 7-10.

Musgrove, A. (2020). Applying the Research of "Learning by Doing". Presented at the Training Magazine Conference, Orlando FL. February 24-26.

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). Retrieved from <https://www.learntechlib.org/primary/p/207700/>.

Gonzalez-DeHass, A., Willems, P., Powers, J. & Musgrove, A. "Up Your Instructional Game: Strategies for Using Complex and Authentic Cases to Encourage Students' Active Self-Regulated Learning". Presented at the 31st APS Annual Convention, May 23-26, 2019, in Washington, DC, USA.

Bousalis, R., Powers, J., Musgrove, A., & Musgrove, G. (March 21, 2019). Media and Historical Literacy: Changing the Context of History. Paper presented at Society for Information Technology & Teacher Education International Conference, Las Vegas, NV. Association for the Advancement of Computing in Education (AACE).

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

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

Bielskus-Barone, K., Musgrove, A. & Powers. (Jun. 28, 2018). Online Learning and Students with Disabilities – Accommodations to Support Diverse Learners in Online Learning Environments using a Universal Design for Learning Framework. Presented at *EdMedia & Innovate Learning Conference*, Amsterdam, Netherlands.

Musgrove, A., Powers, J., Gonzalez-DeHass, A. & Willems, P. Developing and Modeling Pedagogy with Interactive Video. (March 29, 2018). Presented at *Society for*

*Information Technology & Teacher Education International Conference*. Washington, D.C.

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

Musgrove, A., Learning or Just Watching? Presented at the *Training 2018 Conference*, Atlanta, GA. Feb. 12, 2018.

Musgrove, A., Banner, P., Grey, D., Address, D.M., Tomsic, F., & Ullberg, E., App Smashing. Presented at the *Training 2018 Conference*, Atlanta, GA. Feb. 12, 2018.

Gibson, A., Banner, P., Tomsic, F., Shah-Nelson, C., Musgrove, A. and Sonka, K. (Nov. 16, 2017). Applying the technology test kitchen to your institution: A space for testing, learning and innovation. *Online Learning Consortium Accelerate Conference*, Orlando, FL.

Powers, J. & Musgrove, A., Musgrove, G., & Rebar, L. (June 20, 2017). Teaching college students how to identify fake news. *Association for Ubiquitous and Collaborative Educators International Annual Meeting*, Trinity College, Dublin, Ireland.

Powers, J. & Musgrove, A. (June 20, 2017). *Teachers' instructional usage of 1:1 computing in a rural school district*. *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. In *Society for Information Technology & Teacher Education International Conference* (pp. 1407-1413). Association for the Advancement of Computing in Education (AACE).

Willems, P., Gonzalez-DeHass, A., Musgrove, A., Powers, J. & Rhone, A. (August 2017). Using video-case instruction to enhance student's online learning of educational psychology. *American Psychological Association Annual Convention*, Washington, DC.

Knott, J.L., Musgrove, A., Melton, R., Banner, P., Tomsic, F. & Shah-Nelson, C. (2016). Reframing Faculty Development as a Makerspace: The Technology Test Kitchen at Your Institution. Panel Discussion presented at the *Online Learning Consortium's Accelerate Conference*, Orlando, FL. Nov. 16-18, 2016.

Musgrove, A. (2016). Training on a budget: Free Tools that go the distance. Presented at *Training Magazine's Online Learning Conference*, Chicago, IL. Sept. 20-22, 2016.

Musgrove, A. (2016). New recipes for easily adding captions to your videos. Presented at *Training Magazine's Online Learning Conference*, Chicago, IL. Sept. 20-22, 2016.

Musgrove, A. (2016). *The Technology Test Kitchen – Bridging the Disconnect Between Training and Life-Long Learning*. Association for Ubiquitous and Collaborative Educators International Annual Meeting, Trinity College, Dublin, Ireland, July 3 – 6, 2016.

Musgrove, A. (2016). Jazzing It Up! Tools to Tune Up Your Courses. Presented at *The Online Learning Consortium Innovate Conference*, New Orleans, LA. April 19-22, 2016.

Gunder, A., Musgrove, A., Tomsic, F., & Melton, R. (2016). The technology test kitchen: Learning by doing. Presented at *SXSWedu*, Austin, TX. March 7-10, 2016.

Musgrove, A., & Banner, P. (2016). AppSmashing adapted to solve your challenges! Presented at the *Training magazine 39<sup>th</sup> Annual conference & expo*, Orlando, FL. Feb. 15–16, 2016.

Musgrove, A., Free, Fun and Friendly - Exploring tools to increase active learning and create community. Presented at the *Quality Matters 7<sup>th</sup> Annual Conference on Quality Assurance in Online Learning*, San Antonio, TX., November 1-4, 2015.

Musgrove, A. & Gunder, A., Technology Test Kitchen - App Smashing with the Iron Chefs. Presented at the *21<sup>st</sup> Annual Online Learning Consortium International Conference*, Orlando, FL. October 14 - 16, 2015.

Musgrove, A., Gunder, A. & Goodrich, D. Technology Test Kitchen – Recipe Swap. Presented at the *21<sup>st</sup> Annual Online Learning Consortium International Conference*, Orlando, FL., October 14-16, 2015.

Musgrove, A. Gunder, A., Banner, P., Tomsic, F., Shaw-Nelson, C., Melton, R., Dyer, D., Goodrich, D., Tansil-Gentry, T., & Malloy, D. (2015). Technology test kitchen recipes for technology integration. Presented at the *21<sup>st</sup> Annual Online Learning Consortium International Conference*, Orlando, FL. October 14 - 16, 2015.

Retrieved from

[http://olc.onlinelearningconsortium.org/sites/default/files/pages/OLC15\\_TTK%20Recipe%20Book.pdf](http://olc.onlinelearningconsortium.org/sites/default/files/pages/OLC15_TTK%20Recipe%20Book.pdf)

Musgrove, A., Don't be Boring! Free Tools to Create Social Presence in Your Course. (2015). Presented at the *8<sup>th</sup> Annual Emerging Technologies for Online Learning International Symposium*, Dallas, TX, April 22-24, 2015.

Musgrove, A., Screencasting – One Tool a Gazillion Use. (2015). Presented at the *8<sup>th</sup> Annual Emerging Technologies for Online Learning International Symposium*, Dallas, TX, April 22-24, 2015.

Musgrove, A., Don't be Boring! Free Tools to Create Social Presence in Your Course. (2015). Presented at the *12<sup>th</sup> Annual Online Learning Consortium Blended Learning*

*Conference and Workshop*, Denver, CO. July 8, 2015.

### **State Presentations**

Rebar, L., Musgrove, A., & Powers J. (May 11, 2017). Creatively teaching information literacy skills with LibGuides. *Florida Library Association's Annual Conference*, Orlando, FL

### **Local Presentations**

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

Musgrove, A. & Powers, J., Cool Tools for Engaging 21<sup>st</sup> Century Learners. Presented at the *Broward Future Educators Conference*, Boca Raton, FL. Nov. 20, 2015.

### **Invited Publication**

Musgrove, A., Tomsic, F., Knott, J., Goodrich, D. & Gunder, A. Sept. 6, 2016. A Kitchen for Tech – Cooking up a makerspace for some delectable Professional Development. Guest Column for edtechdigest.com.  
<https://edtechdigest.blog/2016/09/06/a-kitchen-for-tech/>

## **Service and Professional Development**

### **FAU College of Education Graduate Faculty status**

#### **Quality Matters –**

Program Reviewer

Institutional Representative - Leading the first implementation of QM at FAU resulting in 5 courses receiving national recognition during the first semester.

Master Course Reviewer

Subject Matter Expert in Education (Technology, Alternative Certification, Adult, Community, Professional Development)

#### **The Online Learning Consortium (Formerly named The Sloan Consortium)–**

Online Teaching Certificate – electives in Student Retention, Quality Program Design, and Faculty Support.

## **Honors and Awards**

Early Career Academy



2020 FAU Excellence in eLearning Award Nominee (Suspended indefinitely due to COVID)

NSF ADVANCE Mentoring Finalist 2020. Infusing Computational Thinking, Artificial Intelligence and Robotics into Pre-service and In-service teacher education.

Effective Practice Award 2016 Online Learning Consortium. Recognizing Effective Practices for the Technology Test Kitchen. Tomsic, F., Banner, P., Shah-Nelson, C., Gunder, A., Musgrove, A., Knott, J., Melton, R. Bovard, B. & Goodrich, D.

### **Courses Taught at FAU**

**CeL1001** eLearning Designer/Facilitator Certification Course. Center for eLearning – QM Nationally Recognized applying the Professional Development and Continuing Education Rubric. (Developed New course)

**EDF 6623** Digital Education Teacher Academy (DETA) (Developed New course)

**EDG 6255** Instructional Program Development

**EME 2040** Introduction to Educational Technology –QM Nationally recognized applying the Higher Education Rubric

**EME 4312** Educational Technology for 21<sup>st</sup> Century Teaching (Developed New course, Awarded Quality Matters National Certification in 2020)

**EME 4411** Educational Programming I

**EME 4810** Applied Educational Technology

**EME 6051** Models of Learning and Instruction

**EME 6403** Telecommunications: Applications of Educational Technology

**EME 6426** Administrative Applications of Educational Technology

**EME 6458** Distance Learning Theory & Practice

**EME 6816** Authentic, Standards-Based Assessment

**EME 6945** Field Experience in Educational Technology (Service Learning, Co-Developed New course)

### **Doctoral Committees**

Fall 2017 Supervisory Committee/Doctorate Awarded Fall 2017. Jillian Wojcik  
Dissertation Title “Technology, Textbooks, and Mathematics: Perceptions of Online Math Homework from Traditional High School Students Enrolled at Private Schools”

Fall 2017 Supervisory Committee/Doctorate Awarded Fall 2017 Gisselle Gutierrez  
Dissertation Title “The Relationship between Sense of Belonging and Instruction Self-Efficacy among Online Adjunct Faculty in Higher Education”

### **Academic Advising**

Communicate degree requirements and assist master’s degree in Instructional Technology students in developing a plan of study. Formally advise 9 students and offer informal advising to any student enrolled in the program (approximately 20 students).

### **Service**

## **University**

Committee co-chair of F.A.U. Distance Learning Committee 2017- Present

Graduation Marshall Summer 2016 & 2017

Mentor for students at Florida Atlantic University 2016

## **College**

Co-Chair of Giving in Paradise 2019

Co-Chair of FAU Owl's Nest 2018

Department **Check specific indicators**

Co-Developer of Instructional Design Certificate Program

Co-Developer of K-12 Online Certificate Program

Co-Developer of New Course K-12 Online Teaching

Produced video of Dr. Eileen Ariza's Cosa Rica Fulbright book presentation with Drs. Janet Towel, Julie Lambert, Susannah Brown- <https://youtu.be/plo2HCw9odc>

## **Discipline/Profession**

Editorial Board Member and Reviewer for the Journal of Contemporary Issues in Technology Education. AACE--Association for the Advancement of Computing in Education. 2018 to present

Reviewer for the Society for Information Technology and Teacher Education Annual Conferences, 2016 -2020.

Current Reviewer for the Online Learning Journal  
<http://onlinelearningconsortium.org/read/journals/>

Current Reviewer for the Journal of Educational Computing Research.

Track Chair for the Innovations, Tools and Technologies for the Online Learning Consortium Accelerate Conference. Nov. 2018. Largest conference track representing 31% of submissions. Serve as reviewer and manage all reviewers and reviews in the track.

Steering Committee member for Online Learning Consortium – (nonprofit) Accelerate Conference 2017. As the leader of the team I reviewed sessions and in collaboration decided which session to accept in a blind review process.

Track Chair for Structural Innovation Track for Online Learning Consortium – (nonprofit) Accelerate Conference, 2016. As the leader of the team I reviewed sessions and in collaboration decided which session to accept in a blind review process

Editorial Board Member - Healthy Community Synergism between Patients, Practitioners, and Researchers A book edited by Dr. Valerie Bryan (Florida Atlantic University) and Dr. Jennifer Lynne Bird (Florida Atlantic University)

Master Chef of the Technology Test Kitchen at the 21<sup>st</sup> Annual Online Learning Consortium International Conference, October 16, 2015 in Orlando, FL.

Program Committee Member for the Annual Quality Matters Conference on Quality Assurance in Online Learning 2014 & 2015.

### **Professional Development**

Quality Matters Program Reviewer Certification 2017

### **Recognitions**

Quality Matters National Recognition for the course EME 4312 Educational Technology for 21<sup>st</sup> Century Teachers, 2020.

Commendation from the Online Learning Consortium for leadership in advancing knowledge and practice among educators as the Technology Test Kitchen Chair for the 21<sup>st</sup> Annual Online Learning Consortium International Conference 2015.

Member, International Society for Technology in Education (ISTE)

Member, Kappa Delta Phi Education Honor Society

Member, Association for Educational Communications and Technology (AECT)

Member, Society for Information Technology and Teacher Education (SITE), a division of (AACE)