

FLORENCE MARTIN

Professor, Learning, Design and Technology

Department of Educational Leadership
University of North Carolina at Charlotte
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Charlotte, NC 28223

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EDUCATIONAL AND PROFESSIONAL CREDENTIALS

Doctorate of Philosophy, Educational Technology December 2005
Arizona State University, Tempe, Arizona
Dissertation: Effects of Instructional Elements in Computer Based Instruction
Dr. James Klein (Chair), Dr. Wilhelmina Savenye, Dr. Howard Sullivan
and Dr. Robert Atkinson

Master of Education, Educational Technology August 2003
Arizona State University, Tempe, Arizona

Bachelor of Engineering, Electronics and Communication May 2000
Bharathiyar University, Coimbatore, India

Graduate Coursework in Cognitive Science December 2019
University of North Carolina, Charlotte, North Carolina

Licenses

M-Level (077) 2009- NC Department of Public Instruction Instructional Technology Specialist License

Certifications

Applying the Quality Matters Rubric (APPQMR)

Improving Your Online Course (IYOC)

Designing Your Online Course (DYOC)

Peer Reviewer Course (PRC)

Quality Matters Coach Certification (QMCC)

PROFESSIONAL EXPERIENCE

2018-Present **Professor (Learning, Design and Technology)**
Program Director, Post Master's Certificate in University and College Teaching
College of Education, University of North Carolina at Charlotte
Program Coordinator, Learning, Design and Technology, Ed.D. in Educational
Leadership (2018-2021)

Develop and teach courses in Learning, Design and Technology graduate program in online format. Serve as Program Director of the Post Masters Certificate in University and College Teaching, chairing admissions, recruitment, course scheduling, graduation and evaluation committees. Advise learning, design and technology Master's and doctoral graduate students. Chair internships and capstone projects. Maintain active research agenda in Learning, design and technology. Participate in professional, university, college, school, and programmatic related service.

2014-2018 **Associate Professor, Instructional Systems Technology**
Program Director, Instructional Systems Technology M.Ed. and Graduate Certificate
College of Education, University of North Carolina at Charlotte TENURED (2016)

Develop and teach courses in Instructional Systems Technology graduate program in asynchronously online format. Serve as Program Director of the Instructional Systems Technology Masters and Certificate programs, chairing admissions, recruitment, and evaluation committees. Advise instructional technology graduate students. Maintain active research agenda and scholarly publications. Maintain active research agenda in Learning, design and technology. Participate in professional, university, college, school, and programmatic related service.

2012-2014 **Associate Professor and Program Coordinator (Instructional Technology)**
Watson College of Education, University of North Carolina Wilmington TENURED (2012)

Develop and teach courses in Instructional Technology graduate program in blended and online format. Serve as Program Coordinator of the Instructional Technology Masters and Certificate programs, chairing admissions, recruitment, evaluation, and comprehensive exam committees for the instructional technology program. Supervise thesis and design and development research capstone projects. Serve on dissertation, thesis, design and development research project committees. Advise instructional technology graduate students. Teach undergraduate instructional technology courses for preservice teachers in blended and on-line formats.

2007-2012 **Assistant Professor (Instructional Technology)**
Watson College of Education, University of North Carolina Wilmington

Develop and teach courses in Instructional Technology graduate program in blended and online format. Supervise thesis and design and development research capstone projects. Serve on dissertation, thesis, design and development research project committees. Advise instructional technology graduate students. Teach undergraduate instructional technology courses for preservice teachers in blended and on-line formats.

2012-2014 **Contributing Faculty (Part-Time)**
Riley College of Education and Leadership, Walden University

Teach asynchronously online graduate and undergraduate courses in Instructional Technology (MSIDT and BSIDT) program.

2013-2014 **Teaching Assistant Professor (Part-Time)**
College of Education, North Carolina State University

Teach asynchronously online graduate course ECI 716 (Design and Evaluation of Instructional Materials) in Instructional Technology program.

2004-2005 **Graduate Assistant, Applied Learning Technologies Institute**
University Technology Office, Arizona State University

Provided ongoing assistance to faculty and instructors who incorporated technology into their work to enhance learning and developed online tutorials for students and instructors on different features of the Blackboard.

2002-2005 **Graduate Teaching Assistant**
Mary Lou Fulton College of Education, Arizona State University

Taught 16 sections of Computer Literacy (EDT 321) and 3 sections of Computer Applications (EDT 323) where students were given introduction to computers and software applications. Coordinated 20 sections of undergraduate computer literacy courses, scheduled computer literacy classes, and developed instructional material during Fall 2005 semester. Co-taught web design with a pre-service teacher to all grade levels (K-12) for the Connexiones Summer Program (Summer 2004).

- 2003 **Instructional Design Intern**
Cisco Learning Institute, Phoenix, AZ
Designed (Task analysis /Storyboarding) and developed training courses through CLI
Virtuoso e-learning platform of CLI
- 2000-2001 **Network Engineer**
Dishnet DSL, Chennai, India
LAN/WAN Maintenance, Configure and troubleshoot Network Devices.

TEACHING, CURRICULUM DEVELOPMENT AND STUDENT-DIRECTED SCHOLARSHIP

Courses Taught

University of North Carolina Charlotte

- ADMN 8695: Advanced Seminar in Teaching and Learning
ADMN8000/6000: Special Topics: Educational Policies and Practices in China and India
EIST 8102/6102: Research in Learning, Design and Technology
EIST 8110/6110: Instructional Design
EIST 8120/6120: Trends in Instructional Systems Technology
EIST 8130/6130: Instructional Multimedia Development
EIST 8150/6150: Design, Development and Evaluation of Online Learning
EIST 8170/6170: Human Performance Technology
EIST 6491: Internship in Instructional Systems Technology
EIST 6492: Capstone project in Instructional Systems Technology
EIST 6800: Individual Study in Instructional Systems Technology

University of North Carolina Wilmington

- MIT 511: Multimedia Design and Development
MIT 513: Computer-Based Instruction
MIT 540: Colloquium I
MIT 541: Colloquium II
MIT 502: Systematic Approach to Performance Improvement
MIT 530: Evaluation and Change Management
MIT 510: Design and Development of Instructional Technology
EDN 303: Instructional Technology
MIT 595: Design and Development of Mobile Learning
MIT 598: Design and Development Research Project
MIT 598: Portfolio
MIT 598: Thesis
EDL 695: Instructional Deliveries
EDL 699: Dissertation

North Carolina State University, Raleigh, NC

- ECI 716: Design and Evaluation of Instructional Materials

Walden University

- EIDT 6501: Training and Development
EIDT 6135: Distance Learning
EIDT 6100: Instructional Design
EIDT 6110: Advanced Instructional Design
EIDT 6130: Program Evaluation

Arizona State University, Tempe, AZ

- EDT 321: Computer Literacy
EDT 323: Computer Applications

Course and Curriculum Development

University of North Carolina Charlotte

- 2019 Designed and received Quality Matters Certification on ADMN 8695
- 2018-2019 Led the efforts to receive Program Level Quality Matters Certification on Learner Success for the Instructional Systems Technology Program
- 2018 Development of Learning, Design and Technology Doctoral Concentration with Ed.D. in Educational Leadership
- 2018 Led the Program Name Change from Instructional Systems Technology to Learning, Design and Technology
- 2017 Led the efforts to receive Program Level Quality Matters Certification on Program Design for the Instructional Systems Technology Program
- 2016 Development of Post-Master's Certificate in University and College Teaching in 2016
- 2015-2016 Designed and received Quality Matters Certification on five courses: EIST 6110, 6120, 6130, 6150 and 6170
- 2014 – 2015 Led development of Instructional Systems Technology curriculum updates in Fall 2014 proposing courses for the Training development concentration and proposing a new concentration in Online Learning and Teaching (2014-205).

University of North Carolina Wilmington

Established a new Online Teaching and Learning Certificate in Fall 2013.

Advising/Student-directed Scholarship

Chair, Dissertation

- Guilbaud, C. (2019).* Faculty Perception of Knowledge and Practice in Designing and Implementing Accessible Online Courses, UNC Charlotte.
- Vang, K. (2018).* Community College Faculty Perception of Preparedness to Teach Online, UNC Charlotte.
- Park, E. (2018).* Student success in a large-size hybrid learning course – a study of student backgrounds, online video quizzes, and persistence, UNC Charlotte.
- Simmons, B. (2014).* Perceived Implementation Barriers of a one-to-one Initiative in a Large Urban School District, UNC Wilmington.

Committee Member, Dissertation

- Watson, S. (2018).* Motivating computer science students beyond classwork with games and gamification, UNC Charlotte.
- Rinehardt-Cline, M. (2018).* The effects of the teacher-reach model of blended learning on student achievement in the high school social studies classroom. UNC Charlotte.
- Tutty, J. (2013).* Effects of Practice Type in the Here and Now Mobile Learning Environment, Liberty University. Liberty University.

External Reviewer, Dissertation

- Sathiyaraj, K. (2021).* Efficacy of Infotainment Strategies in Enhancing the Process Skills of Physics Among Undergraduate Students. Alagappa University, India.
- Petit, D. (2021).* Mature-age student coping strategies and their effect on engagement in online university study. University of Southern Queensland, Australia.
- Sheehan, C. (2020).* Intersection: Factors affecting early-career teachers' integration of e-learning pedagogy in the History classroom, Doctor of Philosophy, University of New Castle, Australia.
- Nirmala, P. (2020).* Effectiveness of Technology Enabled Learning in Enhancing Achievement in Science

Among D.T.Ed Trainees, Doctor of Philosophy, Alagappa University, India.
Divakaran, V. (2019). Effectiveness of Web Based Instruction in Cognitive Learning of Mathematics – Parabola. Doctor of Philosophy, Bharathiyar University, India.

Chair, Instructional Systems Technology Capstone Project (n=45)

Brodsky, A. (2019). New Graduate Student Orientation: Now You Are Here
Schneider, A. (2019). Sales Skill eLearning for Residential Door to Door Sales
Rhodes, J. (2019). Blackboard Tutorial Repository.
Wahl, C. (2019). 8th Grade ELA Remediation for End of Grade Exams
O’Hern, L. (2019). Summerscapes Instructor Training Module
Claris, A. (2019). Using Adaptive Learning for Engineering Technology Students
Leipold, L. (2019). Preparing Employees for Career Fairs
Payne, R. (2019). SMART Notebook/SMART Online Suite Training.
Woodson, S. (2019). Tumor Registrar Computer Based Learning Conversion
Morse, J. (2018). New Graduate Student Orientation
Wilson, B. (2018). CCS New Teacher Support Course
Buhler, R. (2018). 5th Grade Online Weather Unit
Karpenko, K. (2018). Feedback Workshop
McGuire, K. (2018). E-Learning Tutorial for Total CEU
Perrin, J. (2018). Customer Care Representatives Certification
Molloy, A. (2018). Resident Abuse Awareness
Dugan, C. (2018). Using Google Classroom for Home/School Communication
Mattookaran, S. (2018). TIAA Transition Manager Knowledge Needs
Staten, D. (2018). Travel Agent Education Program at Epcot Theme Park
Saunders, S. (2018). Coding in the Elementary School
Pawlowski, M. (2018). Identifying Organizational and Programmatic Issues
McNeil, C. (2018). Online Development of RSCH-6110/8110
Kellerhals, C. (2018). Leadership Development for New Managers
Depugh, A. (2018). Professional Development for K-12 Classroom Teachers
Brooks, E. (2018). Teaching Digital Citizenship to Middle School Students
Westlund, A. (2017). Accessing and utilizing open educational resources
Hackler, C. (2017). New antimicrobial stewardship standard
Germaine, C. (2017). Personalized learning: An overview
Moss, K. (2017). Typography Online Delivery
Leatherman, K. (2017). Teacher professional development on small group learning
Trosclair, K. (2017). Designing a critical incident management course
Collins, K. (2017). Dissertation from Day 1
Lanze, M. (2017). Teaching online: Pedagogical considerations
Colon, S. (2017). UNCC Adjunct Canvas
Giaccone, S. (2017). Digital learning competencies for teachers
Staab, M. (2016). Chromebook Orientation for Elementary Teachers.
Redmond, T. (2016). Digital Citizenship in Middle Grades.
Robinson, S. (2016). Understanding and Avoiding Plagiarism.
Mestre, T. (2016). Competently Ready to Work
Shortt, B. (2016). Data Driven Instruction in Science and Social Studies.
Ramsey, H. (2016). Technology Tools for Authentic Literacy Instruction in CMS
DonForsythe, J. (2015). Designing Learning Systems with Simulation and Game Course Design.
Swann, L. (2015). Tortel Learning Management System Training at YMCA
Stanley, M. (2015). Planning for integration of Technology at Pioneer Springs Community School.
Gildharry, M. (2015). Developing Literacy Skills using Chromebooks.

Committee Member, Learning, Design and Technology Projects (n=25)

Chair, Design and Development Research Projects

Shear, R. (2013). Implementing a 1:1 Laptop Environment in an Elementary School

Benton, A. (2013). Development of Computer Based Instruction to Teach Inferential Statistics.

Webb, M. (2013). Developing Training Solutions for Clinical Employees

Robinson, R. (2013). Memoir Writing Instruction in an Asynchronous Format

Boninti, C. (2012). Usability Evaluation of Rapid Elearning Tools

Key, S. (2012). Evaluation of Online Foreign Language Courses

Bennett, T. (2011). Use of Apple iPads in Middle Grade Math Class

Chair, Thesis

Gillispie, L. (2008). Effects of the Dimension-M 3D Video Gaming Experience on Middle School Student Achievement and Attitude in Mathematics

Member, Thesis

Head, D. (2020). A Review of Reflection Support Tools. Honors Thesis. University of North Carolina Charlotte

Chair, Qualifying Exam

She, L. (2021). Ed.D. Educational Leadership

Budhrani, K. (2018). Ed.D. Educational Leadership

Member, Qualifying Exam

Green, K. (2021). Ed.D. Educational Leadership

Esparragoza, R. (2018). Ed.D. Educational Leadership

Stamper, B. (2018). Ed.D. Educational Leadership

Yeatra, C. (2016). Ed.D. Educational Leadership

Vang, K. (2016). Ed.D. Educational Leadership

RESEARCH

Books

Martin, F. & Betrus, A.K. (2019). *Digital Media for Learning: Theories, Processes, and Solutions*. Springer, Cham, Switzerland.

Journal Articles (*data-driven) (n=91)

Martin, F., Xie, K., & Bolliger, D. (In press). Engaging Learners in the Emergency Transition to Online Learning during the COVID-19 Pandemic. *Journal of Research on Technology in Education*.

*Martin, F., Wu, T., Wan, L., & Xie, K. (In press). A Meta-Analysis on the Effects of the Community of Inquiry Presences on Learning Outcomes in Online and Blended Learning Environments. *Online Learning*.

*Kularski, C., & Martin, F. (Online First). A Systematic Review of Research on Online Student Privacy in Higher Education. *American Journal of Distance Education*.

- *Martin, F., Chen, Y., Oyarzun, B., & Lee, M. (Online First). Learning and Development Roles and Competency Domains in Higher Education: A Content Analysis of Job Announcements. *Journal of Computing in Higher Education*.
- *Martin, F., Bacak, J., Polly, D., Dymes, L. (Online First). A Systematic Review of Research on K12 Online Teaching and Learning: A Comparison of Research from Two Decades 2000 to 2019. *Journal of Research on Technology in Education*.
- *Martin, F., Gezer, T., Wang, W., Petty, T., & Wang, C. (Online First). Examining K-12 Educator Experiences from Digital Citizenship Professional Development. *Journal of Research on Technology in Education*.
- *Sadaf, A., Wu., T. & Martin, F. (2021). Cognitive Presence in Online Learning: A Systematic Review of Empirical Research from 2000 to 2019. *Computers and Education Open*, 2, 100050
- *Martin, F., Kumar, S., & She, L. (2021). Examining Higher Education Instructor Roles and Competencies for Online Teaching. *Online Learning*, 25(4), 187-215
- *Richardson, J., Martin, F., & Sauers, N.J. (2021). Systematic Review of Fifteen Years of Research on Digital Citizenship: 2004-2019. *Learning, Media and Technology*, 46(4), 498-514
- *Budhrani, K., Martin, F., Malabanan, O., & Espiritu, J. L. (2021). How did parents balance it all? Work-from-home parents' engagement in academic and support roles during remote learning. *Journal of Online Learning Research*, 7(2), 153-184.
- *Martin, F., Sun, T., Turk, M., & Ritzhaupt, A. (2021), A Meta-Analysis on the Effects of Synchronous Online Learning on Cognitive and Affective Educational Outcomes. *International Review of Research on Open and Distributed Learning*, 22(3), 205-242.
- *Bolliger, D., & Martin, F. (2021). Critical Design Elements in Online Courses. *Distance Education*, 42(3), 352-372
- *Martin, F., Gezer, T., Anderson, J., Polly, D., & Wang, W. (2021). Examining Parents Perception on Elementary School Children Digital Safety. *Educational Media International*, 58(1), 60-77
- *Oyarzun, B., Hancock, C., Salas, S., & Martin, F. (2021). Synchronous meetings, Community of Inquiry, COVID-19, and Online Graduate Teacher Education. *Journal of Digital Learning in Teacher Education*, 37(2), 111-127
- *Guilbaud, T.C., Martin, F., Newton, X. (2021). Faculty Perceptions on Accessibility in Online Learning: Knowledge, Practice and Professional Development. *Online Learning*, 25(2), 6-35
- *Ndoye, A., & Martin, F. (2021). Examining Student Perceptions of Important Features in Online Courses: A Case Study based on Demographic and Contextual Characteristics. *Journal of Educators Online*, 18(2), 1-16
- *Wang, X., Chen, Y., Ritzhaupt, A., & Martin, F. (2021). Examining competencies for the instructional design professional: An exploratory job announcement analysis. *International Journal of Training and Development*, 25(2), 95-123
- *Martin, F., Bolliger, D., & Flowers, C. (2021). Design Matters: Development and Validation of the Online Course Design Elements (OCDE). *International Review of Research in Open and Distributed Learning*, 22(2), 46-71.
- *Bolliger, D., & Martin, F. (2021). Factors Underlying the Perceived Importance of Online Student Engagement Strategies. *Journal of Applied Research in Higher Education*, 13(2), 404-419.
- *Coles, S., Martin, F., Polly, D., & Wang, C. (2021). Supporting the Digital Professor: Information, Training and Support. *Journal of Applied Research in Higher Education*, 13(2), 633-648.
- *Polly, D., Martin, F., & Guilbaud, T. (2021). Examining Barriers and Desired Supports to Increase Faculty Members' Use of Digital Technologies: Perspectives of Faculty, Staff and Administrators. *Journal of Computing in Higher Education*, 33(1), 135-156
- *Guilbaud, T., Martin, F., & Polly, D. (2020). Examining the Digital Professor's Use of Technology and the Required Support. *International Journal of Teaching and Learning in Higher Education*, 32(3),

376-387.

- *Barclay, N., Westine, C., Claris, A., & Martin, F. (2020). Development and Implementation of Adaptive Learning to Engage Learners in Engineering Technology, *Journal of Formative Design in Learning*, 4, 107-118
- *Martin, F., Sun, T., & Westine, C.D. (2020). A Systematic Review of Research on Online Teaching and Learning from 2009 to 2018. *Computers & Education*, 159, 104009
- *Kuesel, J., Martin, F., & Markic, S. (2020). University Students Readiness for Using Digital Media and Online Learning—Comparison between Germany and the USA. *Education Sciences*, 10(11), 313
- *Martin, F., Hunt, B, Wang, C. & Brooks, E. (2020). Middle School Student Perception of Technology Use and Digital Citizenship Practices. *Computers in the Schools*, 37(3), 196-217
- Martin, F., Dennen, V.P., & Bonk, C.J. (2020). A Synthesis of Systematic Review Research on Emerging Learning Environments and Technologies. *Educational Technology Research and Development*, 68(4), 1613-1633
- *Martin, F., Chen, Y., Moore, R.L., & Westine, C.D. (2020). Systematic Review of Adaptive Learning Research Designs, Context, Strategies, and Technologies from 2009 to 2018. *Educational Technology Research and Development*, 68(4), 1903-1929
- *Martin, F., Polly, D., Coles, S., & Wang, C. (2020). Examining Higher Education Faculty Use of Current Digital Technologies: Importance, Competence and Motivation. *International Journal of Teaching and Learning in Higher Education*, 32(1), 73-86
- *Martin, F., Stamper, B., & Flowers, C. (2020). Examining Student Perception of Readiness for Online Learning: Importance and Confidence. *Online Learning*, 24(2), 38-58
- *Vang, K., Martin, F., & Wang, C. (2020). Examining Community College Faculty Perceptions of Their Preparedness To Teach Online. *Journal of Applied Research in the Community College*, 27(1), 45-63
- *Oyarzun, B., Martin, F., & Moore, R. (2020). Time Management Matters: Online Faculty Perceptions of Helpfulness of Time. *Distance Education*, 41(1), 106-127
- *Martin, F., Wang, C., & Sadaf, A. (2020). Facilitation Matters: Instructor Perception of Helpfulness of Facilitation Strategies in Online Courses. *Online Learning*, 24(1), 28-49
- *Sadaf, A., Martin, F., & Ahlgrim-Delzell, L. (2019). Student Perceptions of the Impact of “Quality Matters” Certified Online Courses on their Learning and Engagement. *Online Learning*, 23(4), 214-233
- *Martin, F., Gezer, T. & Wang, C. (2019). Educators Perceptions of Student Digital Citizenship Practices. *Computers in the Schools*, 36(4), 238-254
- *Kumar, S., Martin, F., Budhrani, K., & Ritzhaupt, A. (2019). Award-winning faculty online teaching practices: Elements of award-winning courses. *Online Learning*, 23(4), 160-180
- *Park, E., Martin, F., & Lambert, R. (2019). Examining Predictive Factors for Student Success in a Hybrid Learning Course. *Quarterly Review of Distance Education*, 20(2), 11-27
- *Martin, F., Wang, C., Budhrani, K., Moore, R.L., & Jokiaho, A. (2019). Professional Development Support for the Online Instructor: Perspectives of U.S. and German Instructors. *Online Journal of Distance Learning Administration*, 22(3).
- *Martin, F., Budhrani, K., Wang, C. (2019). Examining Faculty Perception of their Readiness to Teach Online, *Online Learning*, 23(3), 97-119.
- *Martin, F., Ritzhaupt, A. Kumar, S., & Budhrani, K., (2019). Award-winning Faculty Online Teaching Practices: Course design, Assessment and Evaluation, and Facilitation. *The Internet and Higher Education*, 42, 34-43
- *Martin, F., Wang, C., Jokiaho, A., & May, B. (2019). Examining Faculty Readiness to Teach Online: A Comparison of US and German Educators. *European Journal of Open, Distance and E-Learning*, 22(1), 53-69

- *Martin, F., Budhrani, K., Kumar, S., & Ritzhaupt, A. (2019). Award-Winning Faculty Online Teaching Practices: Roles and Competencies. *Online Learning*, 23(1), 184-205.
- *Bolliger, D. U., & Martin, F. (2018). Instructor and student perceptions of online student engagement strategies. *Distance Education*, 39(4), 568-583.
- *Martin, F. & Bolliger, D.U. (2018). Engagement matters: Student perceptions on the importance of engagement strategies in the online learning environment. *Online Learning Journal*, 22(1), 205-222.
- *Martin, F., Wang, C., & Sadaf, A. (2018). Student perception of helpfulness of facilitation strategies that enhance instructor presence, connectedness, engagement and learning in online courses. *The Internet and Higher Education*, 37, 52-65.
- *Ritzhaupt, A. D., Martin, F., Pastore, R., & Kang, Y. (2018). Development and validation of the Educational Technologist Competencies Survey (ETCS): Knowledge, skills, and abilities. *Journal of Computing in Higher Education*, 30(1), 3-33
- *Martin, F., Wang, C., Petty, T., Wang, W., & Wilkins, P. (2018). Middle School Students' Social Media Use. *Educational Technology and Society*, 21(1), 213-224
- *Martin, F., Polly, B., Jokiaho, A., & May., B. (2017). Global Standards for Enhancing Quality in Online Learning. *Quarterly Review of Distance Education*, 18(2), 1-10.
- *Martin, F., Ahlgrim-Delzell, L., & Budhrani, K. (2017). Two Decades (1995 to 2014) of Systematic Review of Research on Synchronous Online Learning. *American Journal of Distance Education*, 31(1), 3-19
- Martin, F. (2017). Human performance technology in the training and development concentration at UNC Charlotte's instructional system technology program. *Performance Improvement*, 56(4), 32-40.
- *Martin, F., Ndoeye, A., & Wilkins, P. (2016). Using Learning Analytics to Enhance Student Learning in Online Courses Based on Quality Matters Standards. *Journal of Educational Technology Systems*, 45(2), 165-187.
- *Simmons, B., & Martin, F. (2016). Perceived implementation barriers of a one-to-one computing initiative in a large urban school district: A Qualitative Approach, *iManagers Journal of Educational Technology*, 11(4), 26-38
- *Martin, F., & Ndoeye, A. (2016). Using Learning Analytics to Assess Student Learning in Online Courses. *Journal of University Teaching & Learning Practice*, 13(3), 1-20.
- *Martin, F., & Ertzberger, J. (2016). Effects of reflection type in the here and now mobile learning environment. *British Journal of Educational Technology*, 47(5), 932-944
- * Ertzberger, J. & Martin, F. (2016). Use of Fitness Bands by teachers in the classrooms. *Tech Trends*, 60(4), 392-397
- *Martin, F., & Whitmer, J. (2016). Applying learning analytics to investigate timed release in online learning. *Technology, Knowledge and Learning*. (21), 59-74.
- *Robinson, R., & Martin, F. (2015). Memoir writing instruction in an asynchronous format: A design and development research project. *Journal of Applied Instructional Design*, 5(1), 5-21
- *Martin, F., & Carr, M. (2015). An exploratory study on K-12 teachers' use of technology and multimedia in the classroom, *iManagers Journal of Educational Technology*, 12(1), 7-14
- Hayes, R., Godwin, C., Butts, D., & Martin, F. (2015). The HPT model applied to a boutique style online retail store. *Performance Improvement*, 54(7), 26-33
- Boykin, J., Leitheiser, J., & Martin, F. (2015). The HPT model applied to a yoga studio's performance. *Performance Improvement*, 54(1), 28-38
- *Tutty, J. & Martin, F. (2014). Effects of practice type in the here and now mobile learning Environment. *iManagers Journal of Educational Technology*, 11(2), 17-27.
- *Martin, F. & Parker, M.A. (2014). Use of synchronous virtual classrooms: Why, who and how? *MERLOT Journal of Online Learning and Teaching*, 10(2), 192-210.

- *Ritzhaupt, A. D. & Martin, F. (2014). Development and validation of the educational technologist multimedia competencies survey. *Educational Technology Research and Development*, 62(1), 13-33
- Wells, N., Stanley, A., & Martin, F. (2014). The human performance technology (HPT) model applied to a university library's work efficiency. *Performance Improvement*, 53(3), 14-21
- *Martin, F., Hoskins, O.J., Brooks, R., Bennett, T. (2013). Development of an interactive multimedia instructional module. *Journal of Applied Instructional Design*, 3(3), 5-17
- *Pastore, R. & Martin, F. (2013). Designing and developing mobile based instruction: A designers Perspective. *Design and Technology Education*, 18(3), 61-72
- Oyarzun, B., & Martin, F. (2013). A case study on multi-modal course delivery and social learning opportunities. *Bulletin of the IEEE Technical Committee on Learning Technology*, 15(1), 25-28.
- *Martin, F., & Ertzberger, J. (2013). Here and now mobile learning: An experimental study on the use of mobile technology. *Computers & Education*, 68, 76-85
- *Martin, F., Parker, M. & Allred, S. (2013). A case study on the adoption and use of synchronous virtual classrooms. *Electronic journal of E-learning*, 11(2), 124 - 128
- Martin, F., Pastore, R., Snider, J. (2012). Developing mobile based instruction, *Tech Trends*, 56(3), 46-51
- *Martin, F., Parker, M. A., Deale, D. (2012). Examining the interactivity of synchronous virtual classrooms. *International Review of Research in Open and Distributed Learning*, 13(3), 227-260
- Bobbert, D., Robinson, M. and Martin, F. (2012), The ISPI HPT model applied to a university television broadcast system upgrade. *Performance. Improvement*, 51(4), 28–38
- Snider, J. & Martin, F. (2012). Evaluating web usability. *Performance Improvement*. 51(3), 30-40
- *Martin, F. (2011). Instructional design process and the importance of Instructional alignment. *Community College Journal of Research and Practice*, 35(12), 955-972
- *Roughton, C., Martin, F., Warren, J., & Gritmon, C. (2011). Challenges in synchronous virtual classrooms adoption by faculty. *International Journal of Instructional Technology and Distance Learning*, 8(2), 45 – 54
- *Martin, F., Brooks, R., Gayford, M., Hall, H., & Whitfield, K. (2011). Evaluating reactions and transfer of skills from blackboard training. *Performance Improvement*, 50(1), 26-33
- *Gillispie, L., Parker, M., & Martin, F. (2010). Game play is important for learning. *Learning and Leading with Technology*, Aug, 28-30.
- *Ritzhaupt, A., Martin, F., & Daniels, K., (2010). Multimedia competencies for educational technologist. A survey of professionals and job announcement analysis. *Journal of Educational Multimedia and Hypermedia*, 19(4), 421-449
- *Parker, M., & Martin, F. (2010). Using virtual classrooms: Student perceptions of features and characteristics in an online and a blended Course. *Journal of Online Learning and Teaching*, 6(1), 135-147
- *Parker, M.A., Grace, E.R., & Martin, F. (2010). Do you teach in a virtual classroom? Measuring student's perceptions of the features and characteristics. *International Journal of Instructional Technology and Distance Learning*, 7(12), 17-28
- *Gillispie, L., Martin, F. & Parker, M., (2010). Effects of a 3-D video game on middle school student achievement and attitude in mathematics. *Electronic Journal of Mathematics and Technology*, 4(1), 68-80
- Martin, F., Hall, H., Blakely, A., Gayford, M., & Gunter, E. (2009). The HPT model applied to a kayak company's registration process. *Performance Improvement Journal*, 48(3), 26 – 35
- *Martin, F., Tutty, J., & Su, Y. (2009). Influence of learning management system self-efficacy on e-learning performance. *Journal on School Educational Technology*, 5(3), 26-35.

- Martin, F. (2008). A performance technologist's approach to process performance improvement. *Performance Improvement*, 47(2), 30-40
- Martin, F., Spalter, A., Friesen, O., & Gibson, J. (2008). An approach to developing digital visual literacy (DVL). *College and University Media Review*. 14, 117-143
- *Martin, F. (2008). Effects of practice in a linear and non-linear web-based learning environment. *Educational Technology and Society*, 11(4), 18-23
- *Martin, F. (2008). Blackboard as the learning management system in a computer literacy course. *Journal of Online Learning and Teaching*. 4(2), 138-145
- *Martin, F., & Klein, J. (2008). Effects of objectives, practice, and review in multimedia instruction. *Journal of Educational Multimedia and Hypermedia*, 17(2), 171-189.
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- *Martin, F., Klein, J. D. & Sullivan, H. (2007). The impact of instructional elements in computer-based instruction. *British Journal of Educational Technology*, 38 (4), 623 – 636
- *Klein, J. D., Martin, F., Tutty, J., & Su, Y. (2005). Teaching publications to instructional design & technology students. *Educational Technology*, 45(4), 29-33.

Book Chapters & Other Publications (n=18)

- Martin, F. & Bolliger, D. (In Press). Designing Online Learning in Higher Education. In O.Zawacki-Richter & I. Jung (Eds). *Handbook of Open, Distance and Digital Education*. Springer.
- Martin, F., & Kumar, S. (In Press). A Synthesis of Current Research on Graduate Online Education. In K. Rudestam, J. Schoenholtz-Read, M.L. Snowden (Eds), *The Handbook of Online Learning*. Fielding University Press.
- Martin, F., Kumar, S., & Ritzhaupt, A. (In Press). An Overview of the Competencies and Career Outcomes in Educational Technology. In J. Stearns & R. Reese (Eds). *Instructional Practices and Considerations for Training Educational Technology and Instructional Design Professionals*. Routledge.
- Martin, F., & Kumar, S. (2021). Barriers in Online Education and Strategies for Overcoming Them. In L. Cifuentes (Ed.) *A Guide to Administering Distance Learning*, (pp 43-60). Leiden, Netherlands: Brill Sense
- Ritzhaupt, A., Kumar, S., & Martin, F. (2021). The competencies for Instructional Designers in Higher Education". In J., Stefaniak, S.Conklin, B. Oyarzun & R. Reese (Eds). *A Practitioner's Guide to Instructional Design in Higher Education*. Edtech Books.
- Martin, F. (2021). Bichronous Online Learning: Is Blending Asynchronous & Synchronous the Best Approach? *AECT Interactions*.
- Martin, F., & Ritzhaupt, A.D. (2021). Standards and Competencies for Instructional Design and Technology Professionals. In J. K. McDonald & R. E. West (Eds.), *Design for Learning: Principles, Processes, and Praxis*. EdTech Books. Retrieved from https://edtechbooks.org/id/standards_and_competencies
- Martin, F., Polly, D., & Ritzhaupt, A.D. (2020). Bichronous Online Learning: Blending Asynchronous and Synchronous Online Learning, *Educause Review*
- Martin, F. & Markant, D. (2020). Adaptive Learning Modules. In M. E. David & M. J. Amey (Eds.) *The SAGE Encyclopedia of Higher Education*, (pp.2-4). London, England: Sage.
- Martin, F. (2020). 21st century classroom: Finding the right balance. In C. Wang, L. Kolano, & D. Kim (Eds). *Educational Practices in China, Korea, and the United States: Reflections from a Study Abroad Experience*, (p.175-188). Charlotte, NC: Information Age Publishing

- Mattookkaran, S., Mestre, T., Shortt, B., & Martin, F. (2019). The HPT Model Applied to a University Technology and Learning Center's Resource Allocation. In Stefaniak, J (Ed.). *Cases on Learning Design and Human Performance Technology*, (pp.42-57). Hershey, PA: IGI Global.
- Martin, F. & Kumar, S. (2018). Frameworks for Assessing and evaluating e-learning courses and programs. In Piña, A.A., Walker, V., Harris, B.R. (Eds). *What the e-Learning Leader Needs to Know: Leading and Managing e-Learning*, (pp.271-280). Cham, Switzerland: Springer.
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- Martin, F. (2015). Elearning design: From instructional events to elements. In Khan, B. & Ally, M. (Eds). *The International Handbook of E-learning Volume 1* (pp.153-170). New York, NY: Routledge.
- Bennett, T. & Martin, F. (2013). Use of Ipads in the K-6 Math and Science classroom. In Ritzhaupt, A., and Kumar.S. (Eds) *Cases on Educational Technology Implementation for Facilitating Learning*, (pp.177-192). Hershey, PA: IGI Global.
- Martin, F. & Parker, M. (2011). Virtual training at an Indian call center. In Edmundson, A. (Ed.) *Cases on Globalized and Culturally Appropriate E-Learning: Challenges and Solutions*. (pp. 90-92). Hershey, PA: IGI Global.
- Martin, F., Parker, M.A., & Ndoeye, A. (2011). Measuring success in a virtual classroom. In Eom, S.B. & Arbaugh, J.B. (Ed.) *Student Satisfaction and Learning Outcomes in E-Learning: An Introduction to Empirical Research*. (pp. 246-263). Hershey, PA: IGI Global.
- Tutty, J. & Martin, F. (2009). User generated design: Teaching and learning with web2.0. In Kidd, T. & Chen, I. (Ed.) *Wired for Learning: An Educators Guide to Web 2.0*. (pp. 43-57). Charlotte, NC: Information Age Publishing.

Proceedings (n=23)

- *Martin, F., Shanley, N., Ahlgrim-Delzell, L., Hite, N., Perez-Quinones, M., & Pugalee, D. (2021). High School Teachers Teaching Programming Online: Instructional Strategies Used and Challenges Faced. RPP for CS Conference Proceedings.
- *Barclay, N., Westine, C., Claris, A., & Martin, F. (2020, May). Use of Adaptive Learning in an Engineering Technology Course: A Case Study. American Society of Engineering Education (ASEE) Virtual Annual Conference Proceedings.
- *Petty, M., Martin, F., Wang, C., & Wang, W. (2018, March). Implementing a Cyber Safety Curriculum with Middle School Students. In Proceedings of Society for Information Technology & Teacher Education International Conference.
- *Moallem, M., Pastore, R., & Martin, F. (2013, March). Interaction in online learning: A comparative study on the impact of communication tools on student learning, motivation, self-regulation, and satisfaction. In *Society for Information Technology & Teacher Education International Conference* (pp. 2286-2306). Association for the Advancement of Computing in Education (AACE).
- Moallem, M., Martin, F., & Pastore, R. (2011, October). Potential of New Video Conferencing Tools for Bringing Distance & Online Learners to the Face-to-Face Classrooms: Bridging Physical Separation. In *E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 773-781). Association for the Advancement of Computing in Education (AACE).
- *Moallem, M., Pastore, R., & Martin, F. (2011, October). A Comparative Study on the Impact of Various Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction. In *E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 1519-1534). Association for the Advancement of Computing in Education (AACE).
- *Daniels, H., Sugar, W., Brown, A., Green, T., Martin, F., & Ritzhaupt, A. (2011, March). Multimedia production curricula: Identifying essential competencies and skills. In *Society for Information*

- Technology & Teacher Education International Conference* (pp. 1097-1099). Association for the Advancement of Computing in Education (AACE).
- Martin, F. & Noonan, D. (2010, July). Synchronous technologies for online teaching. Proceeding of the International Conference on Technology for Education, Mumbai, India.
- *Parker, M.A. & Martin, F. (2010, July). Synchronous virtual classrooms: Student perceptions from an online and blended education course. Proceeding of the International Conference on Technology for Education, Mumbai, India.
- *Tutty, J. & Martin, F. (2009, October). Examining the foundations of educational technology course in 2009. Proceedings of the Association of Educational Communications and Technology Conference, Louisville, KY.
- Martin, F. (2010, July). Best practices for teaching in a synchronous virtual classroom. Proceeding of the International Conference on Technology for Education, Mumbai, India.
- Parker, M., Allred, B., Martin, F., Ndoye, A., & Reid-Griffin, A. (2009, March). Aligning NETS-T standards (NETS-T 2008) with technology products. In *Society for Information Technology & Teacher Education International Conference* (pp. 2066-2068). Association for the Advancement of Computing in Education (AACE).
- Martin, F., & Gillispie, L. (2009, March). Multimedia Tools (Proprietary, Open Source and Freeware) for Developers. In *Society for Information Technology & Teacher Education International Conference* (pp. 601-606). Association for the Advancement of Computing in Education (AACE).
- Martin, F., Parker, M., Reid-Griffin, A., Allred, B., & Ndoye, A. (2009, March). Efolio Technologies for Digital Students. In *Society for Information Technology & Teacher Education International Conference* (pp. 126-129). Association for the Advancement of Computing in Education (AACE).
- *Gillispie, L., Martin, F., & Parker, M. (2009, March). Effects of the dimension-M 3D video gaming experience on middle school student achievement and attitude in mathematics. In *Society for Information Technology & Teacher Education International Conference* (pp. 1462-1469). Association for the Advancement of Computing in Education (AACE).
- *Martin, F. & Winzeler, B. (2008, March). Multimedia competencies for instructional technologists. Proceeding of the UNC Teaching and Learning with Technology Conference, Raleigh, NC
- *Martin, F. & Tutty, J. (2008, February). Learning management system self-efficacy of online and hybrid learners. Proceeding of the New Learning Technologies Conference, SALT, Orlando, FL.
- *Martin, F. & Tutty, J. (2007, October). Effect of practice in a linear and non-linear web-based learning environment. Proceeding of Association for Educational Communications and Technology conference, Anaheim, CA.
- *Martin, F., Klein, J. & Sullivan, H. (2004, October). Effects of instructional events in computer based instruction. Proceeding of Association for Educational Communications and Technology conference, Chicago, IL.
- *Klein, J., Martin, F., Tutty, J., & Su, Y. (2004, October). How do we teach research to instructional design and technology students? Proceeding of Association for Educational Communications and Technology conference, Chicago, IL.
- *Zhang, G, Martin, F. & Igoe, A. (2004, October). Teaching computer skills to beginners: What and how? Proceeding of Association for Educational Communications and Technology conference, Chicago, IL.
- Hancock-Niemic, M., Llama, G., Mansfield, J., Martin, F. & Klein, J. (2004, October). Using human performance technology to identify potential barriers to online high school course development. Proceeding of Association for Educational Communications and Technology conference, Chicago, IL.
- Martin, F., Klein, J., & Igoe, A. (2003, November). Teaching instructional media design: A needs assessment report. Proceeding of E-learn 2003, Phoenix, AZ.

Conference Presentations (*data-driven; #refereed) (n=146)

- *#Miller, R., Howell, C., Oyarzun, B., Martin, F., Haag, E., & Knight, S. (2021). Faculty Perspectives on Inclusion, Diversity, Equity, and Access in Online Teaching. Presentation at the Association for the Study of Higher Education.
- *#Martin, F., Chen, Y., & Oyarzun, B. (2021). Learning and Development Roles and Competency Domains in Higher Education: An Analysis of Job Announcements. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Wang, X., Rui, H., Sommer, M., Shidfar, P., Rehman, M., Martin, F., & Ritzhaupt, A. (2021). The impact of adaptive learning on student educational outcomes: A meta-analysis. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Bolliger, D., & Martin, F. (2021). Perceptions of Instructors and Instructional Designers of Online Course Design Elements. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Martin, F., Gezer, T., Anderson J., Polly, D., & Wang, W. (2021). Examining Parents Perception on Elementary School Children Digital Safety. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Sadaf, A., Wu, T., & Martin, F. (2021). Strategies to Promote Cognitive Presence in Online Courses: A Systematic Review. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Oyarzun, B., Hancock, C., Salas, S., & Martin, F. (2021). Synchronous Meetings, Community of Inquiry, COVID-19, and Online Graduate Teacher Education. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- Martin, F., Ifenthaler, D., Zhu, M., Choi, H., & Bong, J. (2021). Systematic Reviews on Distance Learning. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Budhrani, K., Martin, F., & Malabanan, O. (2021). Lesson Design Patterns Emergent from Modelling Lesson Blueprints. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- Bonk, C., Dennen, V., & Martin, F. (2021). Systematic Literature Reviews and Meta Analysis How-tos. Presentation at Association of Educational Communications and Technology, Chicago, IL.
- *#Martin, F., Shanley, N., Ahlgrim-Delzell, L., Hite, N., Perez-Quinones, M., & Pugalee, D. (2021). High School Teachers Teaching Programming Online: Instructional Strategies Used and Challenges Faced. RPP for CS.
- *#Shea, P., Means, B., Motz, B., & Martin, F. (2021). The Great Online Migration: Lessons Learned from Online Learning Journal Researchers. Online Learning Consortium Accelerate.
- *#Oyarzun, B., Hancock, C., Salas, S., & Martin, F. (2021). Synchronous Meetings, Community of Inquiry, COVID-19, and Online Graduate Teacher Education. Presentation at the UNC System Quality Matters Council Annual Summit.
- *#Park, E., Martin, F., & Oyarzun, B. (2021). Steps for Successful QM Program Certification. Presentation at the UNC System Quality Matters Council Annual Summit.
- *#Martin, F., Sun, T., & Westine, C. (2021). Systematic Review of Online Learning Research from 2009 to 2018. Presentation at the Canadian Network for Innovation in Education Conference, Online.
- *#Martin, F., Wu, T., Wan, Liyong., Xie, K. (2021). A Meta-Analysis on the Effects of the Community of Inquiry Presences on Learning Outcomes in Online and Blended Learning Environments. *Online Learning*. American Educational Research and Development Association. Virtual Conference.
- *#Martin, F., Wu, T., Wan, L., Xie, K. (2021). A Meta-Analysis on the Effects of Synchronous Online Learning on Cognitive and Affective Educational Outcomes. American Educational Research and Development Association. Virtual Conference.
- *#Sadaf, A., Wu, T., Martin, F. (2021). Cognitive Presence in Online Learning: A Systematic Review of

- Research from 2000-2019. American Educational Research and Development Association. Virtual Conference.
- *#Wang, X., Chen, Y., Ritzhaupt, A., Martin, F. (2021). An Exploratory Job Announcement Analysis of Instructional Design Professionals. American Educational Research and Development Association. Virtual Conference.
 - *#Sadaf., A., Martin., F., Pouraskari., N., & Wu, T. (2020, November). A Systematic Review of Research on Cognitive Presence in Online Learning Published in Journals from 2000 to 2019. Presentation at Association of Educational Communications and Technology, Online.
 - *#Budhrani., K., Malabanan., O., Espiritu, J.L., & Martin, F. (2020, November). Parental Engagement Among Work-From-Home Parents During Emergency Remote Learning: A Philippine Case. Presentation at Association of Educational Communications and Technology, Online.
 - *#Wang., X., Chen., Y., Ritzhaupt, A., & Martin., F. (2020, November). Examining Competencies for the Instructional Design Professional: A Job Announcement Analysis. Presentation at Association of Educational Communications and Technology, Online.
 - *#Wang., X., Kim., D., Chen., Y., Ritzhaupt, A., & Martin., F. (2020, November). Issues and topics derived from instructional design job announcements: A structural topic modeling analysis. Presentation at Association of Educational Communications and Technology, Online.
 - *#Budhrani., K., & Martin, F. (2020, November). "It's (Not) My Style": How Contextual Knowledge Influences Course Design Practices of STEM Faculty. Presentation at Association of Educational Communications and Technology, Online.
 - *#Bonk., C., Martin., F., & Chan.Y. (2020, November). Systematic Reviews of Research on Learning Environments and Technology: Adaptive Learning. Presentation at Association of Educational Communications and Technology, Online.
 - *#Martin., F., Kumar, S., & Honeycutt., L. (2020, November). Identifying Roles and Tasks for Online Instructors. Presentation at Association of Educational Communications and Technology, Online.
- Martin, F., & Betrus, A. (2020, November). 'Digital Media for Learning: Theories, Processes, and Solutions' Book Presentation. Presentation at Association of Educational Communications and Technology, Online.
- *#Martin, F., Gezer, T., Wang, W., Petty, T., & Wang, C. (2020, November). Examining Digital Citizenship Experiences of K-12 Educators. Presentation at Association of Educational Communications and Technology, Online.
 - *#Martin, F., Chen., Y., Moore, R., & Westine, C. (2020, April). Systematic Review of Adaptive Learning Research from 2009 to 2018, American Educational Research and Development Association. San Francisco, CA. [Virtual Poster]
 - *#Martin, F., Stamper, B., & Flowers, C. (2020, April). Examining Student Perception of their Readiness for Online Learning in 2018, American Educational Research and Development Association. San Francisco, CA. [Virtual Poster]
 - *#Oyarzun, B., Martin, F., & Moore, R. (2019, October). Online Faculty Perceptions of Helpfulness of Time Management Strategies. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.
 - *# Kumar, S., Martin, F., Ritzhaupt, A. & Budhrani, K. (2019, October). Award-Winning Online Courses: Instructor Perspectives. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.
 - *#Martin, F., Kumar, S., & Ritzhaupt, A. (2019, October). Researching Competencies for Online Teaching. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.
 - *#Bolliger, D., & Martin, F. (2019, October). Factors Underlying the Importance of Online Student Engagement Strategies. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.

- *#Martin, F., Wang, C., & Sadaf., A. (2019, October). Instructor Perception of Helpfulness of Facilitation Strategies in Online Courses. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.
- *#Budhrani, K., & Martin, F. (2019, October). Helpful Supports for Online Teaching Faculty in Higher Education. Presentation at Association of Educational Communications and Technology, Las Vegas, NV.
- *# Martin, F., Polly, D., Coles, S., & Wang. C. (2019). What Digital Technologies are Higher Education Faculty Using? Examining Importance, Competence and Motivation. Presentation at the International Society for Exploring Teaching and Learning, Charlotte, NC.
- *# Polly, D., Martin, F., & Guilbaud, T. (2019). Barriers and Desired Supports Related to Faculty Integrating Technology in their Courses. Presentation at the International Society for Exploring Teaching and Learning, Charlotte, NC.
- *# Coles, S., Martin, F., Polly, D., & Wang, C. (2019). Supporting the Digital Professor: Faculty Preferences for Training and Support in Adopting Digital Technologies in Higher Education. Presentation at the International Society for Exploring Teaching and Learning, Charlotte, NC.
- *# Martin, F. Wang, C., Petty, T., Wang, W. & Wilkins, P. (2019, June). Examining Middle School Students' Social Media Use. Paper presentation at EdMedia, Amsterdam, Netherlands.
- *# Martin, F. Gezer, T., Wang, C., Wang, W. & Petty, T. (2019, June). Digital Citizenship Training in Middle Schools in the United States. Paper presentation at EdMedia, Amsterdam, Netherlands.
- *# Gezer, T., Martin, F., & Wang, C. (2019, June). Teachers Perceptions of Students Digital Citizenship Practies. Poster presentation at International Society for Technology in Education, Philadelphia, PA.
- *# Martin, F., Markic, S., Schluchter, R., Junge, T., & Küsel, J. (2019, June). Examining Student Readiness for Online Learning: A Comparison of US and German Students. Paper presentation at the 25th German-American Symposium, Ludwigsburg, Germany.
- *# Wang, C., Hunt, B., Martin, F., & Brooks, E. (2019, April). Middle school student perception of digital citizenship practices. Paper presentation at the 27th Annual International Conference of Chinese American Educational Research and Development Association. Toronto, Ontario, Canada.
- *# Martin, F., Kumar, S., Budhrani, K., & Ritzhaupt, A. (2019, April). Award-Winning Faculty Online Teaching Practices: Course Design, Assessment and Facilitation. Paper presentation at American Educational Research Association, Toronto, Canada.
- *#Sadaf, A., Martin, F., & Ahlgrim-Delzell, L. (2019, April). Student Perceptions of their Learning and Engagement in "Quality Matters" Certified Online Courses. Paper presentation at American Educational Research Association, Toronto, Canada.
- *#Bolliger, D., & Martin, F. (2019, April). Instructor and Student Perceptions of Online Student Engagement Strategies. Paper presentation at American Educational Research Association, Toronto, Canada.
- *#Guilbaud, T.C., Martin, F., & Polly, D. (2019, March). Influencing Factors to Support Faculty Use of Instructional Technologies in Higher Education: An Integrative Approach. Poster Presented at North Carolina Association for Research in Education.
- *#Vang, K., Martin, F., & Wang. C. (2019, March). Examining Community College Faculty Preparedness to Teach Online. Paper Presented at North Carolina Association for Research in Education.
- *#Park, E., Martin, F., & Lambert, R. (2018, October). Predictive Factors for Student Success in a Hybrid Learning Course. Paper presented at Elearn Conference, Association for the Advancement for Computing in Education, Las Vegas, NV.
- *#Sadaf, A., Martin, F., & Ahlgrim-Delzell, L. (2018, October). Student Perceptions of the impact of "Quality Matters" Certified Online Courses on their Learning and Engagement. Paper presentation at Association of Educational Communications and Technology, Kansas City, MO.

- *#Martin, F., Kumar, S., Budhrani, K., & Ritzhaupt, A. (2018, October). Award-Winning Faculty Online Teaching: Defining the Competencies Paper presentation at Association of Educational Communications and Technology, Kansas City, MO.
- *#Martin, F., Budhrani, K., & Wang, C. (2018, October). Faculty Perceptions on Importance and Self-Efficacy Towards Online Teaching Competencies. Paper presentation at Association of Educational Communications and Technology, Kansas City, MO
- *#Bonk, C. J., Lin, Lin., Zhang, K., Gao, F., Dennen, V., Hilton, J., Wiley, D., Zhu, M., Sari, A. R., Martin, F., & Budhrani, K. (2018, October 24). Systematic Reviews of the Research on Emerging Online Technologies: What's Been Done; What's To Come. Panel presentation at Presidential session of the 2018 Association for Educational Communications and Technology (AECT) Annual Meeting, Kansas, MO.
- *#Martin, F., Wang, C., & Jokiah, A. (2018, July). Professional Development Support for Faculty to Teach Online: A Comparison of US and German Educators. Paper presented at the 24th German-American Symposium, Charlotte, NC
- Petty, T., Martin, F., Wang, C. & Wang, C. (2018, March). Implementing a Cyber Safety Curriculum with Middle School Students. In E. Langran & J. Borup (Eds.), Paper presented at Society for Information Technology & Teacher Education International Conference (pp. 2307-2308). Washington, D.C., United States: Association for the Advancement of Computing in Education (AACE).
- *#Sadaf, A., Bolliger, D., Martin, F., & Shephard, C. (2017, November). Student Engagement in Online Learning. . Panel presentation at Association of Educational Communications and Technology, Jacksonville, FL
- *#Martin, F., Wang, C., Sadaf, A., (2017, November). Student perception of facilitation strategies that enhance instructor presence in online courses. Paper presented at Association of Educational Communications and Technology, Jacksonville, FL
- *#Martin, F., & Wang, C. (2017, July). Student perception of facilitation strategies that enhance instructor presence in online courses. Paper presented at 18th International Conference on Teaching, Education & Learning, Bangkok, Thailand.
- *Schaal, S., Kissel, B., Glass, T., & Martin, F. (2017, June). At the intersection of science, social studies, and writing: A comparative study of location-based learning in German and American undergraduate programs. Paper presented at the 23rd German-American Symposium, Ludwigsburg, Germany
- *Martin, F., Wang, C., Jokiah, A., May., B., & Grübmeier, S. (2017, June). Faculty Perception of Preparedness to Teach Online or Blended: A comparison of American and German Educators. Paper presented at the 23rd German-American Symposium, Ludwigsburg, Germany.
- *#Martin, F., Ahlgrim-Delzell, L., & Budhrani, K. (2017, April). Systematic review of two decades (1995 to 2014) of research on synchronous online learning. Roundtable presented at American Educational Research Association, San Antonio, TX.
- *#Martin, F., & Bolliger, D. (2017, April). Student perceptions on the importance of engagement strategies in the online learning environment. Paper presented at American Educational Research Association, San Antonio, TX.
- *#Martin, F., Wang, C., & Sadaf, A. (2017, February). Being There: Student perception of instructor facilitation strategies in online learning. Paper presented at the North Carolina Association for Research in Education.
- *#Martin, F., Ahlgrim-Delzell, L., Budhrani, K. (2017, February). Systematic Review of two decades (1995 to 2014) of research on synchronous online learning. Paper presented at the North Carolina Association for Research in Education.
- #Martin, F., & Kumar, S. (2016, November). Frameworks and quality indicators for assessing and evaluating e-Learning programs. Paper presented at Online Learning Consortium Accelerate, Orlando, FL.

- *# Martin, F. (2016, November). A Systematic review of synchronous online learning research from two decades 1995-2014. Paper presented at Online Learning Consortium Accelerate, Orlando, FL.
- *# Martin, F., Ritzhaupt, A., Budhrani, K., & Kumar, K. (2016, October). Competencies for effective online instructors: A mixed method approach. Paper presented at Association for Educational Communications and Technology Conference, Las Vegas, NV
- *# Bolliger, D., Kumar, K., Martin, F., & Sadaf, A. (2016, October). Engagement Matters: Ways to Enhance Interaction and Engagement in Online Learning. Paper presented at Association for Educational Communications and Technology Conference, Las Vegas, NV
- Martin, F., Polly, B., Jokiah, A., & Birgit, M. (2016, July). Global Standards for Enhancing Quality in Online Learning. Paper presented at the 22nd German-American Symposium, Charlotte, NC
- *# Martin, F. & Ertzberger, J. (2015, November). Reflecting with a virtual expert in the here and now mobile learning environment. Paper presented at Association for Educational Communications and Technology Conference, Indianapolis, IN.
- *# Martin, F. & Wilkins, P. (2015, November). Using learning analytics from Moodle to enhance student learning and engagement in online courses. Paper presented at Association for Educational Communications and Technology Conference, Indianapolis, IN.
- *# Martin, F. (2015, October). Assessing student learning in online courses using learning analytics. Paper presented at Online Learning Consortium, Orlando, FL
- *# Martin, F. & Wilkins, P. (2015, October). Enhancing student learning and engagement in online courses by using learning analytics data. Paper presented at Online Learning Consortium, Orlando, FL
- *# Martin, F. & Wilkins, P. (2015, August). Using learning analytics to enhance online learning. Paper presented at Distance Teaching and Learning Conference, Madison, WI.
- *# Martin, F. & Ertzberger, J. (2015, April). Effects of reflection type in here and now mobile learning. Paper presented at American Educational Research Association, Chicago, IL.
- Martin, F. (2015, March). Using emerging instructional technologies to enhance clinical training. Paper presented at medical device clinical training & education conference, Charlotte, NC
- *# Galbraith, J., Martin, F., Irvin, E., Gonzalez, P. (2015, February). Blended delivery format for introductory language courses at the university level. Paper presented at Foreign Language Association of North Carolina Conference, Wilmington, NC
- #Curry, M., Martin, F., Betrus, A., & Ziaee, Y. (2014, November). More free/inexpensive alternatives in multimedia production. Paper presented at Association for Educational Communications and Technology Conference, Jacksonville, FL.
- *#Sugar, B., Brown, A., Daniels, L., Hoard, B., Martin, F., Ritzhaupt, A. (2014, November). Comparison and analysis of existing multimedia production competencies studies: Implications and next steps. Paper presented at Association for Educational Communications and Technology Conference, Jacksonville, FL.
- #Oyarzun, B., Martin, F., Pastore, R., Anderson, S., Maddrell, J., Adcock, A. (2014, November). Multi-modal course delivery: Combining face-to-face and online students together. Paper presented at Association for Educational Communications and Technology Conference, Jacksonville, FL.
- #Hayes, R., Martin, F. (2014, November). Using iBook author to design an eBook applying text design principles. Paper presented at Association for Educational Communications and Technology Conference, Jacksonville, FL.
- *#Tutty, J. I. & Martin, F. (2013, November). Effects of self-regulatory status and practice type on student performance in the mobile learning environment. Paper presented at 19th Annual Sloan Consortium International Conference on Online Learning, Orlando, FL.
- *#Martin, F. & Whitmer, J., (2013, October). Using learning analytics to study adaptive learning. Paper presented at Global Learning Technologies Conference, Wilmington, NC.

- *#Martin, F. & Whitmer, J., (2013, October). Using learning analytics to predict student success in online learning. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- *#Ritzhaupt, A. & Martin, F. (2013, October). Development and validation of the educational technologist multimedia competencies survey. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- #Curry, J., Betrus, A. & Martin, F. (2013, October). Development on the cheap: Free/inexpensive alternatives in multimedia production. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- *#Martin, F. (2013, August). Using learning analytics to predict student success in online learning, Education Informatics, Mysore, India
- *#Ritzhaupt, A. D. & Martin, F. (2013, April). Development and validation of the educational technologist multimedia competencies survey. Paper presented at the American Educational Research Association, San Francisco, CA.
- *#Martin, F. & Parker, M.A. (2013, February). Use of synchronous virtual classrooms. Why, who and how? Paper presented at North Carolina Association for Research in Education, Wilmington, NC.
- *#Martin, F. & Ertzberger, J. (2013, February). Here and now mobile learning. An experimental study on the use of mobile technology. Paper presented at North Carolina Association for Research in Education, Wilmington, NC.
- #Martin, F. & Bobbert, C. (2012, October). Developing mobile instructional content using Ict Inspire. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- #Webb, M. & Martin, F. (2012, October). Using articulate to create an elearning module for health care. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- #Grant, M. & Martin, F. (2012, October). Mobile computing devices and applications for teaching and learning. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- *#Pastore, R. & Martin, F. (2012, October). Student perceptions on designing for the mobile web. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- #Martin, F., Curry, J., Ritzhaupt, A., Warren, S., & Watson, G. (2012, October). Multimedia development tools: What are we teaching? Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- *#Moallem, M., Pastore, R., Martin, F. (2012, July). . Impact of interaction in online learning. Paper presented at Global Learning Technologies Conference, Wilmington, NC
- #Martin, F. (2012, July). Multimedia tools (proprietary, open Source and freeware) for designing. Paper presented at Global Learning Technologies Conference, Wilmington, NC.
- #Martin, F. (2012, June). Design challenges in MLearning. Paper presented at MLearn, San Jose, CA
- #Martin, F. (2012, June). Design and usability factors for developing. Paper presented at MLearn, San Jose, CA
- Martin, F. & Brown, B. (2012, April). Media literacy for global interdisciplinary curricula. Paper presented at Sister Cities of Wilmington Conference, Wilmington, NC.
- *#Parker, M. A. & Martin, F. (2012, April). A review of research methodologies in studies on synchronous online learning in higher education, Eastern Educational Research Association, Hilton Head, SC.
- *#Moallem, M., Pastore, R., Martin, F. (2012, April). Interaction in online learning: A comparative study on the impact of communication tools on student learning, Motivation, self-regulation, and satisfaction. Paper presented at American Educational Research Association, Vancouver,

Canada.

- **Pastore, R., Moallem, M., & Martin, F. (2011, November). The Impact of various communication tools on interaction in online learning: A comparative study. Paper presented at Association of Educational Communications and Technology Conference, Jacksonville, FL.
- **Martin, F. & Pastore, R. (2011, November). Developing mobile learning for IPOD touches. Paper presented at Association of Educational Communications and Technology Conference, Jacksonville, FL.
- **Roughton, C., Martin, F., Warren, J., & Gritmon, C. (2011, November). What challenges do faculty face in adopting synchronous virtual classroom? Paper presented at Association of Educational Communications and Technology Conference, Jacksonville, FL.
- **Snider, J. & Martin, F. (2011, November). Using the ISPI human performance technology model to evaluate web usability. Paper presented at Association of Educational Communications and Technology Conference, Jacksonville, FL.
- **Hoskins, O.J., Martin, F., Brooks, R. & Bennett, T. (2011, November). >Development of an interactive multimedia instructional module: Walking tour of historic downtown Wilmington. Paper presented at Association of Educational Communications and Technology Conference, Jacksonville, FL.
- #Moallem, M., Martin, F., Pastore, R. (2011, October). Potential of new video conferencing tools for bringing distance & online learners to the face-to-face classrooms: Bridging physical separation. Paper accepted to be presented at Elearn, Hawaii
- **Moallem, M., Pastore, R., and Martin, F. (2011, October). A comparative study on the impact of various communication tools on student learning, Motivation, self-regulation, and satisfaction. Paper presented at Elearn, Hawaii
- #Daniels H. L., Sugar, W., Bishop, M. J., Brown, Lee Daniels, Green, T., Martin, F. & Ritzhaupt, R. (2011, March). Multimedia production curricula: Identifying essential competencies and skills. Paper presented at the annual international conference of the Society for Information Technology in Education, Nashville, TN
- #Bishop, M.J, Brown, A., Daniels, L., Green, T., Martin, F., Ritzhaupt, A. and Sugar, B. (2010, October). Teaching multimedia production curricula effectively: Identifying essential competencies and skills of instructional design and technology professionals. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- #Martin, F. (2010, October). Best practices for teaching in a synchronous virtual classroom. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- **Martin, F. & Parker, M.A, & Allred, B. (2010, October). Adoption of virtual classrooms for online courses in higher education. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- #Martin, F. & Noonan, D. (2010, October). Interactive technologies for synchronous online teaching. Paper presented at Association of Educational Communications and Technology Conference, Anaheim, CA.
- #Martin, F. & Noonan, D. (2010, July). Synchronous technologies for online teaching. Paper presented at the International Conference on Technology for Education, Mumbai, India.
- **Parker, M.A., & Martin, F. (2010, July). Synchronous virtual classrooms: Student perceptions from an online and blended education course. Paper Presented at the International Conference on Technology for Education, Mumbai, India.
- #Martin, F. (2010, July). Best practices for teaching in a synchronous virtual classroom. Paper Presented at the International Conference on Technology for Education, Mumbai, India.
- **Martin, F. & Ritzhaupt, A. (2009, October). Multimedia competencies for instructional technologist: A 2009 needs assessment. Paper Presented at Association of Educational Communications and Technology Conference, Louisville, KY.

- *#Martin, F., Tutty, J., & Su, Y. (2009, October). Measuring learning management system self-efficacy. Paper Presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- *#Parker, M. A., Martin, F. & Allred, S. E., (2009, October). The effect of faculty and student personality type on perceptions of learning through virtual classrooms. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY
- *#Tutty, J., & Martin, F. (2009, October). Examining the foundations of educational technology course in 2009. Paper presented at Association of Educational Communications and Technology Conference, Louisville, KY.
- #Martin, F., Parker, M., Reid-Griffin, A., Allred, B. & Ndoye, A. (2009, March). Efolio technologies for digital students. Paper presented at Society for Information Technology and Teacher Education Conference, Charleston, SC.
- #Martin, F., & Gillispie, L. (2009, March). Multimedia tools (proprietary, open source and freeware) for developers. Paper presented at Society for Information Technology and Teacher Education Conference, Charleston, SC.
- *#Gillispie, L., Martin, F. & Parker, M. (2009, March). Effects of the dimension-M 3D video gaming experience on middle school student achievement and attitude in mathematics. Paper presented at Society for Information Technology and Teacher Education Conference, Charleston, SC.
- #Parker, M., Allred, A., Martin, F., Ndoye, A. & Reid-Griffin, A. (2009, March). Aligning Nets-T standards (NETS-T 2008) with technology products. Paper presented at Society for Information Technology and Teacher Education Conference, Charleston, SC.
- #Tutty, J. & Martin, F. (2008, November). Learner as the designer: An instructional design and learning model for web 2.0. Paper presented at Association of Educational Communications and Technology, Orlando, FL
- #Gibson, J. & Martin, F. (2008, October) Digital visual literacy; Vital skills for interdisciplinary workforce. Paper presented at Educause Conference, Orlando, FL
- *#Martin, F. (2008, October). What do we want our students to tell us in the evaluations? Paper presented at CREATE's National Evaluation Institute Conference, Wilmington, NC
- Gibson, J, Friesen, O. & Martin, F. (2008, July) Digital visual literacy; Vital skills for interdisciplinary CTE curricula. Paper presented at AZTEC CTE Conference, Tucson, Arizona
- *#Friesen, O., Martin, F., Gibson, J. (2008, April). Digital visual literacy for information technology workforce curricula. Paper presented at TechEd 2008, Ontario, CA.
- *#Brooks, J., Gibson, J., Friesen, O., & Martin, F. (2008, March). Digital visual literacy: Vital IT skills for the education workforce. Paper presented at Society for Information Technology and Teacher Education, Las Vegas, NV
- Friesen, O., Martin, F., Gibson, J. (2008, March). Digital visual literacy: Vital skills for IT curricula. Presented at Microcomputers in Education, Tempe, AZ.
- *#Martin, F. & Winzeler, B. (2008, March). Multimedia competencies for instructional technologists. Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC
- *#Martin, F. & Tutty, J. (2008, March). Learning management system self-efficacy of online and hybrid learners using LMS self-efficacy scale. Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC
- *#Martin, F. & Tutty, J. (2008, February). Learning management system self-efficacy of online and hybrid learners. Paper presented at the New Learning Technologies Conference, SALT, Orlando, FL.
- *#Martin, F. & Gibson, J.. (2008, February). Digital visual literacy for global inter-disciplinary curricula. Paper presented at 2008 World Congress and International Association of Colleges Conference, NY.
- *#Martin, F. & Friesen, O. (2007, October). Effectiveness of digital visual literacy in computer literacy

- Curriculum. Paper presented at National Science Foundation, ATE conference, Washington D.C.
- **Martin, F. & Tutty, J. (2007, October). Effect of practice in a linear and non-linear web-based learning environment. Paper presented at Association for Educational Communications and Technology conference, Anaheim, CA
- **Martin, F., & Klein, J. (2005, October). Effects of instructional elements in computer based Instruction. Paper presented at Association for Educational Communications and Technology conference, Orlando, FL.
- **Martin, F., Klein, J. & Sullivan, H. (2004, October). Effects of instructional events in computer based instruction. Paper presented at Association for Educational Communications and Technology conference, Chicago, IL.
- **Klein, J., Martin, F., Tutty, J., & Su, Y. (2004, October). How do we teach research to instructional design and technology students? Paper presented at Association for Educational Communications and Technology conference, Chicago, IL.
- **Martin, F. & Igoe, A. (2004, October). Teaching computer skills to beginners: What and how? Paper presented at Association for Educational Communications and Technology conference, Chicago, IL.
- **Hancock-Niemic, M., Llama, G., Mansfield, J., Martin, F., & Klein, J. (2004, October). Using human performance technology to identify potential barriers to online high school course development. Paper presented at Association for Educational Communications and Technology conference, Chicago, IL.
- **Martin, F., Klein, J., & Igoe, A. (2003, November). Teaching instructional media design: A needs assessment report. Paper presented at E-learn 2003, Phoenix, AZ.
- #Bevell, L., Martin, F., Ozgul, G., Su, Y., & Zhang, G. (2003, October). New technologies, new ideas, new media selection models? Paper presented at Association for Educational Communications and Technology conference, Anaheim, CA.

Workshops and Invited presentations (n=75)

- Martin, F. (2021, November). Graduate Student Mentoring and Networking Seminar. Association for Educational Communications and Technology.
- Martin, F. (2021, October). Grant Writing. Early Career Symposium. Association for Educational Communications and Technology.
- Kissau, S., & Martin, F. (2021, October). Just Getting Started: Funding your Research Agenda. Cato College of Education, UNC Charlotte.
- Martin, F. (2021, October). How important is digital citizenship professional development for K-12 teachers? International Conference on Educational Research, Seoul National University.
- Martin, F., (2021, October). Experimental Design: Designing Here and Now Mobile Learning. University of Florida.
- Martin, F., (2021, August). Online Teaching: Technology and Assessment. PSG Institutions, India.
- Martin, F., & Bolliger, D. (2021, July). Unpacking Online Course Design Elements, Practices, and Strategies. AECT GSA, DDL and D&D Divisions.
- Martin, F., (2021, July). Instructional Design Matters. Shoolini University, India.
- Martin, F., & Betrus, A (2021, May). Digital Media for Learning: Theories, Processes and Solutions Book Presentation, Association for Educational Communications and Technology Division of Distance Learning
- Martin, F., (2021, March). Facilitation Strategies for Online Teaching and Learning. Brigham Young University, Utah.

- Martin, F., (2021, March). Facilitation Strategies to Engage Learners, Center for Teaching and Learning, University of North Carolina Charlotte.
- Martin, F., (2021, March). Systematic Review of Research in Online Teaching and Learning 2009 to 2018, Indiana University.
- Martin, F., (2021, January). Digital Technology for Improved Learning: Best Practices for Teaching Online. G. D. Goenka University, Gurgaon, India.
- Martin, F. (2020, September). Best Practices to Teach Online. Guest Talk in Dr. Clare Merlin-Knoblich, Teaching Internship for Counseling Doctoral Students, University of North Carolina Charlotte NC.
- Martin, F. (2020, November). Systematic Review of Research on Online Teaching and Learning, Florida State University. Alumni Student Knowledge Exchange Speaker Series.
- Martin, F. (2020, November). From COVID-19 to Adaptive Education in Times of Emergency and Crisis. Discussant. Association for Educational Communications and Technology
- Martin, F. (2020, October). Creating Writing Spaces. Early Career Symposium, Association for Educational Communications and Technology
- Martin, F. (2020, June). Synchronous Online Learning and Student Engagement and Success. Florida Distance Learning Research Consortium.
- Martin, F., (2020, June). Ensuring Alignment in Instructional Design. North Central University.
- Martin, F., (2020, June). Engagement Strategies for Online Learning. Charles R. Drew University of Medicine and Science. California.
- Martin, F., (2020, May). Engaging Learners in Synchronous Online Learning Environments. Regis University, Colorado.
- Martin, F., (2020, May). Best Practices for Teaching Online. PSG Institutions, India.
- Martin, F., (2020, May). Best Practices for Teaching Online. Shoolini University, India.
- Martin, F., (2020, March). Creating Interactive Activities through Synchronous Online Learning. Lake Norman Charter School.
- Sadaf, A., Oyarzun, B. & Martin, F. (2020, March). Creating Engaged Synchronous Online Learning. UNC Charlotte. Center for Teaching and Learning. University of North Carolina Charlotte
- Sadaf, A., Oyarzun, B. & Martin, F. (2020, February). Creating Engaged Synchronous Online Learning. UNC Charlotte. College of Education.
- Martin, F. (2020, February). Digital Media for Learning. Guest Talk in Dr. Anthony Betrus Course, Emerging Technologies, SUNY Potsdam.
- Martin, F. (2020, February). Award-Winning Online Faculty Teaching Practices. Guest Talk in Dr. Curt Bonk's Course, Emerging Technologies, Indiana University.
- Martin, F. (2019, September). Best Practices to Teach Online. Guest Talk in Dr. Clare Merlin-Knoblich, Teaching Internship for Counseling Doctoral Students, University of North Carolina Charlotte NC.
- Martin, F. (2019, March). 21st Century Classrooms in India and US, 2019 India Culture Workshop, Office of International Programs, University of North Carolina Charlotte NC.
- Martin, F. (2017, November). Current Trends in Instructional Technology. Guest Talk in Dr. Ryan Millers, ADMN 8175 Non-Traditional Approaches in Higher Education Course, University of North Carolina Charlotte NC.
- Martin, F. (2018, July). Best Practices to Teach Online, Karunya University, Coimbatore, India
- Martin, F. (2018, July). Mobile Learning Design and Development, Education Training and Assessment Group, Infosys, Mysore, India
- Martin, F. (2017, October). Best Practices to Teach Online. Guest Talk in Dr. Hank Harris, Teaching Internship for Counseling Doctoral Students, University of North Carolina Charlotte NC.

- Martin, F. (2017, October). Best Practices to Teach Online. Guest Talk in Dr. Ryan Millers, ADMN 8175 Non-Traditional Approaches in Higher Education Course, University of North Carolina Charlotte NC.
- Martin, F. (2017, July). *Instructional Technology Trends*, Montford College, Chiang Mai, Thailand.
- Martin, F. (2017, July). *Instructional Technology Trends, Instructional Design, Online Learning*, Ministry of Health, Muscat, Oman: [Media](#)
- Martin, F. (2017, March). *Exploring more Canvas features (pages, modules, assignments, gradebook)*, College of Education, UNC Charlotte
- Martin, F. (2017, March). *Recording a lecture/lesson using Camtasia and publishing it online*, College of Education, UNC Charlotte
- Martin, F. (2017, February). *Engagement Matters: Student Perception of the Importance of Engagement Strategies in the Online Learning Environment*, College of Education Research Colloquium, UNC Charlotte
- Martin, F. (2017, February). *Using Webex for Synchronous Teaching*, College of Education, UNC Charlotte
- Martin, F. (2017, February). *Creating a user-friendly, visually appealing homepage in the Canvas LMS*, College of Education, UNC Charlotte
- Martin, F. (2016, December). *Using Webex for Synchronous Teaching*, College of Education, UNC Charlotte
- Martin, F. (2016, November). *Current Trends in Instructional Technology*, International Society for Performance Improvement Charlotte
- Martin, F. (2016, October). *Applying Quality Matters into your Online Course*, College of Education, UNC Charlotte
- Martin, F. (2016, October). *Effective Time Management Strategies to Teach Online Without Being Up at 3 AM or Providing 24/7 Support*, Center for Teaching and Learning, UNC Charlotte
- Martin, F. (2016, September). *Best Practices for teaching online using the Canvas Learning Management System*, College of Education, UNC Charlotte
- Martin, F. (2016, September). *10 Best Practices to Teach Online*, Center for Teaching and Learning, UNC Charlotte
- Martin, F. (2016, September). *How to Engage Online Learners*, Central Piedmont Community College
- Martin, F. (2016, June). *Best Practices to Teach Online*, Northwest Foreign Languages University
- Martin, F. (2016, April). *Enhancing Online Course Quality using Instructional Alignment*, Center for Teaching and Learning, UNC Charlotte
- Martin, F. (2016, February). *Creating Instructor Presence in Online Courses*, Center for Teaching and Learning, UNC Charlotte
- Martin, F. (2016, January). *Enhancing Online Course Quality*, Center for Teaching and Learning, UNC Charlotte
- Martin, F. (2015, November). *Best Practices in Online Course Design*, International Society for Performance Improvement Charlotte
- Martin, F. (2015, July). *Topic Analysis and Identification of Topic Objectives for Usable Security Curriculum, SOUPS, Ottawa, Canada*
- Martin, F. (2014, March). *Strategies for flipping your classroom*. Watson College of Education Student Interns, UNCW.
- Martin, F. (2013, July). *What is Online Learning?* Shoolini University.
- Martin, F. (2012, September). *Eportfolios for Student Development and Assessment*. Center for Teaching Excellence, UNCW.

- Martin, F. (2012, April). *Getting to know India*. Osher Lifelong Learning Institute, UNCW
- Martin, F. (2010, June). *Technology Trends*, Ashram Public School, Kakinada, India.
- Moallem, M., Martin, F., Kate, D., & Pemberton, A. (2010, April). *Design and Development of elearning*. WITX Technology Showcase, Computer Information Systems, UNCW.
- Martin, F. (2010, February). *Best Practices to teach in Virtual Classroom*. Office of Elearning, UNCW
- Martin, F. (2009, February). *Horizon Wimba Virtual Classrooms* Esession, Office of Elearning, UNCW
- Chen, S.J., Martin, F., Ritzhaupt, A. (2009, April). *Edutainment and Podcasting*. Interact Technology Showcase. University of North Carolina Wilmington.
- Martin, F. (2009, April). *International Session on INDIA*, Information Technology and Systems Division, UNCW
- Martin, F. (2009, March). *International trip to India*, Political studies, UNCW
- Baptista, S., Chen, S.J., Martin, F., & McLaren, Z. (2009, March). *Creating Podcasts Using Open Source Applications*, Society for Information Technology and Teacher Education
- Baptista, S., Chen, S.J., Martin, F., & Lanier, N. (2008, Sep – Nov). *Web 2.0 for faculty (Podcasting, Wikis and Blogs)*. Center for Teaching Excellence, University of North Carolina, Wilmington.
- Allred, B., Ertzberger, J. & Martin, F. (2008, October). *Web 2.0 for Teachers*. IIC Conference, University of North Carolina Wilmington.
- Martin, F. & Lanier, N. (2008, April). Multimedia Design and Development Course. Student Experiences at TLT Teaching and Learning with Technology Conference. WSE Diversity Showcase. University of North Carolina Wilmington.
- Chen, S.J., Martin, F., Lanier, N., & McDowell, N. (2008, April). Web 2.0 for E-learning. Interact Technology Showcase. University of North Carolina Wilmington.
- Martin, F. & Friesen, O. (2008, January). Digital Visual Literacy Workshop. Learning Day at Glendale Community College.
- Gibson, J., Friesen, O., Martin, F. Buehman, A. (2007, November). Digital Visual Literacy Dialog Day. Maricopa Community College District.

Grants

(Funded Approximately 2.3 million USD in National Grants)

Funded National grants

- Martin, F., Wang, W., & Byker, E. (2021-2024). *Advancing Cybersecurity and Privacy of Educational Technologies Used in K-12 schools*, National Science Foundation, SATC:EDU, \$499,971 FUNDED
- Perez-Quinones, M., Pugalee, D., Martin, F. (2020-2022). *Preparing High School Teachers to Broaden Participation by Teaching Programming Online*, National Science Foundation, RPP HS, \$299,848.00 FUNDED
- Martin, F., Polly, A., & Wang., W. (2020-2023). [Principal Investigator]. *Digital Safety Immersion for Elementary School Students*, National Science Foundation, SaTC: EDU, \$399,999 FUNDED
- Martin, F., Petty, T., Wang., C., & Wang, W. (2017-2019) [Principal Investigator]. *Establishing Digital Citizenship by Implementing Cyber Safety Curriculum with Middle School Students*, National Science Foundation, SaTC: EDU, \$300,000 FUNDED [Project Website](#)
- Lipford, H., Martin, F., & Rorrer, A., (2015-2017). [Co-Principal Investigator]. *Creating a Usable Security and Privacy Body of Knowledge*, National Science Foundation, EAGER, \$194,439.00 FUNDED

Buehman, A., Friesen, O., Martin, F. & Gibson, J. [Co-Principal Investigator]. (2006-2009). *Digital Visual Literacy Grant*, National Science Foundation, Advanced Technology Education (ATE): \$600,000
FUNDED *State/local grants and contracts*

Martin, F., Ertzberger, Shore, R., Garrett-Dickers [Principal Investigator] (2015 - 2016). *Competently ready to work*, University of North Carolina General Administration: \$25,000. FUNDED

Gonzalez, P., Martin, F., Galbraith, J. [Principal Investigator] (2013 - 2014). *Re-design of SPN 101*, University of North Carolina General Administration: \$25,000. FUNDED

University faculty development grants funded

Martin, F. [Principal Investigator] (2017-2018). Student Perception of Quality Matters Certified Courses, *Scholarship of Teaching and Learning Grant*, University of North Carolina Charlotte: \$8000

Martin, F. [Principal Investigator] (2015-2016). Competencies for Effective Online Instructors, *Faculty Research Grant*, University of North Carolina Charlotte: \$6000

Martin, F. [Principal Investigator] (2014-2015). Re-design of online courses, *Quality Matters Course Design Grant*, Distance Education, University of North Carolina Charlotte: \$8000

Martin, F. [Principal Investigator] (2014-2015). Use of Learning Analytics to Enhance Student Learning. *Scholarship of Teaching and Learning Grant*, University of North Carolina Charlotte: \$13575

Martin, F. [Principal Investigator] (2014). *Research Mini Grant*, Watson College of Education, University of North Carolina Wilmington: \$1500

Martin, F. [Principal Investigator] (2013). *Grant to support Grant-Writing Efforts*, Provost's Office, University of North Carolina Wilmington: \$5400

Martin, F. [Principal Investigator] (2013). *International Travel Grant*, Office of International Programs, University of North Carolina Wilmington: \$1000

Martin, F. [Principal Investigator] (2013 - 2014). *Cahill Research Grant*, Office of Research Services, University of North Carolina Wilmington: \$3000

Martin, F. [Principal Investigator] (2012). *Development of a Mobile Learning Course, Summer Pedagogical Grant*, Center for Teaching Excellence, University of North Carolina Wilmington: \$4500

Martin, F. [Principal Investigator] (2012). *International Travel Grant*, Office of International Programs, University of North Carolina Wilmington: \$1000

Martin, F. & Pastore, R. [Principal Investigator] (2012). *Mobile Learning Grant*, Center for Teaching Excellence, University of North Carolina Wilmington: \$6948

Martin, F. [Principal Investigator] (2010). *International Travel Grant*, Office of International Programs, University of North Carolina Wilmington: \$1000

Martin, F. [Principal Investigator] (2009). *Research Mini Grant*, Watson College of Education, University of North Carolina Wilmington: \$1500

Martin, F. [Principal Investigator] (2009). *Online Course Design Grant*, Watson College of Education, University of North Carolina Wilmington: \$10,000

Martin, F. [Principal Investigator] (2008). *PSLC Conference Grant*, Watson College of Education, University of North Carolina Wilmington: \$980

Martin, F. [Principal Investigator] (2007). *Course Design Mini Grant*, Watson College of Education, University of North Carolina Wilmington: \$2,000

SERVICE, OUTREACH AND ENGAGEMENT

Service to the Profession

Editorial service

- 2020 - Associate Editor, Online Learning Journal
- 2020 - Guest Editor, Special Issue on Engaging Learners in Emergency Transition to Online Learning during COVID-19, Journal of Research on Technology in Education
- 2019 - 2020 Guest Editor, Special Issue on Systematic Review of Research in Emerging Learning Environments and Technologies, Educational Technology Research and Development
- 2018 - Editorial Board Member, Internet and Higher Education
- 2015-2016 Guest Editor, Special Issue in Online Learning, Journal of Applied Educational and Policy Research
- 2013 - Manuscript Reviewer, Computers and Education
- 2011 - 2015 Manuscript Reviewer, Journal of Engineering Education
- 2009 - 2015 Manuscript Reviewer, Journal of Online Learning and Teaching, Online Learning Journal
- 2007 - 2017 Manuscript Reviewer, Educational Technology and Society
- 2008 - 2009 Manuscript Reviewer, Journal of Information Technology Education
- 2013 - 2013 American Educational Research Association, SIG IT Award Reviewer
- 2008 - 2008 Conference Proposals Reviewer, American Educational Research Association: Division C: Learning and Instruction and SIG: Instructional Technology
- 2004 - Conference Proposals Reviewer, Association for Educational Communications and Technology

External Reviewer for Grants Applications/ Book Proposals/ Promotion

- 2021 External Reviewer for Promotion to Full Professor, Boise State University
- 2020 External Review for Tenure, Temple University
- 2020 External Review for Tenure, Old Dominion University
- 2020 Grant Proposal Reviewer, Swiss National Science Foundation
- 2020 Grant Proposal Reviewer, Ministry of Education, Tertiary Education Research Singapore
- 2020 Grant Proposal Reviewer, Kuwait Foundation for the Advancement of Sciences (KFAS)
- 2020 Grant Proposal Reviewer, National Science Foundation, Directorate of Education and Human Resources (EHR)
- 2019 External Reviewer for Book on Teaching and Learning, Springer Publication
- 2019 External Review for Tenure, University of Memphis
- 2019 Grant Proposal Reviewer, National Science Foundation, Directorate for Computer and Information Science and Engineering
- 2018 External Reviewer for Promotion to Full Professor, University of Central Florida
- 2018 Grant Proposal Reviewer, National Science Foundation, Graduate Research Fellowship Program Panelist
- 2017 External Reviewer for Promotion to Associate Professor, Ithaca College
- 2017 External Reviewer for Promotion to Clinical Associate Professor, Purdue University
- 2017 Grant Proposal Reviewer, National Science Foundation, Directorate of Education and Human Resources (EHR)
- 2016 Grant Proposal Reviewer, Institutes of Higher Learning, Ministry of Education, Singapore
- 2015 Routledge Book Proposal Review, The Educator's Guide to Producing New Media and Open Educational Resources
- 2009 Grant Proposal Reviewer, The Standard Research Grants Program of the Social Sciences and Humanities Research Council of Canada

Professional leadership positions

- 2019 - Director-at-large, International Board of Standards for Training, Performance and Instruction
- 2018- 2019 Past-President, Division of Distance Learning, Association for Educational Communications and Technology
- 2017 Design and Technology Sig, Mentor, American Educational Research Association

- 2017-2018 President, Division of Distance Learning, Association for Educational Communications and Technology
- 2016 NSF Early Career Symposium Mentor, Association for Educational Communications and Technology
- 2016- 2017 President-elect and Conference Planner, Division of Distance Learning, Association for Educational Communications and Technology
- 2015 - 2017 AVP/VP, Marketing and Communication, ISPI Charlotte
- 2013 - 2014 Past-President, Multimedia Production Division, Association for Educational Communications and Technology, Coordinated the Immersive Learning Awards
- 2012 -2013 President, Multimedia Production Division, Association for Educational Communications and Technology
- 2011- 2012 President Elect and Conference Planner, Multimedia Production Division, Association for Educational Communications and Technology

Professional consultation

- 2013 - 2013 Viridis Learning
Elearning Consultant, Designed and developed web-based modules using Adobe Captivate for construction workers. Content analysis of 12 modules on energy management and controls.
- 2012-2013 Shoolini University
Online Learning Expert, Conducted workshops for faculty and deans on online learning. Provided guidance in the strategic planning initiative of online education. Designed and developed online modules using Articulate to train faculty to teach online.
- 2012 - 2012 NEXT Grant, Arizona State University
Elearning Consultant, Designed and developed online professional development for teachers using Articulate. Integrated the online modules into the Moodle Learning Management System.
- 2007- 2007 University of Phoenix
Instructional Design Consultant, Designed and developed courses in MBA and MS in Accounting. Provided instructional design guidance and support to the curriculum development managers. Worked with subject matter experts in the effective design of the courses.
- 2006 – 2007 Maricopa Community College District
Instructional Design Consultant, Worked with subject matter experts (SMEs) for curriculum design in different content areas. Assisted in the creation of the training workshops for the Sakai eLearning system. Performed user acceptance testing for the learning platforms.
- 2006 - 2006 Intel Corporation
Training Consultant, Designed and developed web based training with detailed demonstrations and simulations for the PTO central project management tool training for project managers using Adobe Captivate.

Service to the University

University of North Carolina Charlotte

To the University

- 2019- Tom Reynolds Graduate Program Leadership Award Committee
2019- Faculty Scholarship of Teaching and Learning Grants Committee

2018 -2021 Harshini DeSilva Mentorship Award Committee
2017 - Advisory Board Member, Center for Teaching and Learning
2017 -2019 Bank of America Teaching Award Committee
2016- 2018 Faculty Scholarship of Teaching and Learning Grants Committee
2015- 2016 Information and Technology Systems Advisory Committee
2014- 2014 Member, Academic Credit Hour Working Group, UNC Charlotte

To the Cato College of Education

2018- 2019 Chair, Faculty Council
2017- 2018 Member, Faculty Council
2017- 2019 Member, Teaching Fellow Selection Committee
2016 - 2017 Co-Chair, Reappointment, Tenure and Promotion Taskforce
2016 - 2018 Member, ITAC committee, office of Information Technology
2016 - 2018 Member, CAEP Committee
2016 - 2018 Member, College Teaching Award Committee
2015 - 2017 Member, Readmission Committee for Graduate Students
2015 - 2017 Member, College Faculty Diversity Award Committee
2014 - 2015 Member, Recruitment Task Force, College of Education

To the Department of Educational Leadership

2020 - 2021 Member, Department Review Committee
2019 - Program Coordinator, Learning, Design and Technology Concentration Ed.D. in Ed Leadership
2018 - 2019 Member, Department Review Committee
2017 - Program Director, Post-Master's Certificate in University and College Teaching
2016 Chair, IST Search Committee, Clinical Position
2015-2016 Chair, IST Search Committee, Tenure-Track Position
2015 - 2016 Committee Member, Legacy for Leadership Award
2014- 2018 Program Director, Instructional Systems Technology

University of North Carolina Wilmington

To the University

2013 - 2014 Member, Learning Analytics Initiative
2013 - 2014 Member, Faculty Roles, Responsibilities and Rewards
2012 - 2012 Member, Fullbright Application Reviewer
2012 - 2012 Member, Evaluation Committee, Subcommittee of Faculty Senate
2010 - 2014 President, International Faculty and Staff Organization
2010 - 2014 Department Liaison, Office of International Programs
2009 - 2010 Member, University Advancement Committee
2008 - 2008 Member, Faculty Instructional Support ITSD Search
2010 - 2010 Member, Office of E-learning Search

To the Watson College of Education

2013-2014 Member, Assessment and Accreditation Committee
2008-2009 Member, Technology Council Committee
2009-2014 Member, EDN 303 Instructional Technology Course Committee
2009-2011 Member, International Committee
2007-2009 Chair, EDN 303 Instructional Technology Course Committee
2009-2010 Member, Faculty Search Committee
2007-2008 Member, Diversity Committee

2007-2008 Member, Faculty Search Committee

To the Instructional Technology Program/Department of ITFSE

2012-2014 Program Coordinator, Instructional Technology
2012-2014 Chair, MIT Student Recruitment Committee
2012-2014 Chair, MIT Program Evaluation Committee
2012-2014 Chair, MIT Student Admission Committee
2009-2014 Member, MIT Design and Development Research Project Committees
2007-2012 Member, MIT Student Recruitment Committee
2007-2012 Member, MIT Program Evaluation Committee
2007-2012 Member, MIT Student Admission Committee

Service to the Community and Profession

Community leadership positions

2019 - Organizing Committee, AECT Summer Research Symposium, Kochi, India 2020
2019 - Advisory Council, North Carolina Virtual Public School
2012- 2012 International Advisory Board Member, Blended Synchronicity, Australia
2011- 2012 Curriculum Board Committee, Cape Fear Center for Inquiry Charter School
2011- 2012 Board of Directors, Cape Fear Center for Inquiry Charter School
2008- 2008 Portfolio Reviewer, Isaac Bear High School Digital Literacy Portfolio

HONORS, FELLOWSHIPS AND AWARDS

- AECT Breakfast with Champions, 2019 and 2021
- 2020 Online Learning Journal Research Achievement Award, Online Learning Consortium
- Best Application Article Award, 1st place, *Student perception of helpfulness of facilitation strategies that enhance instructor presence, connectedness, engagement, and learning in online courses*, Division of Distance Learning, AECT 2020
- Best Qualitative Article Award, 2nd place, *Award-Winning Faculty Online Teaching Practices: Elements of Award-Winning Courses*, Division of Distance Learning, AECT 2020
- Distance Education Book Award, 2nd place, *Digital Media for Learning: Theories, Processes, and Solutions (Springer)*, Division of Distance Learning, AECT 2020
- Best Qualitative Article Award, 1st place, *Award-Winning Faculty Online Teaching Practices: Roles and Competencies*, Division of Distance Learning, AECT 2019
- Thomas L. Reynolds Leadership Award for Graduate Program Direction, 2019
- UNC Charlotte, College of Education Research Award, 2018
- Digital Learning Fellow, Office of the Senior Associate Provost, UNC Charlotte, 2017-2018
- Associate Quality Matters Fellow, UNC Charlotte, 2017-2020
- Teaching Faculty Fellow, College of Education, UNC Charlotte, 2016-2017
- Institute of Emerging Leadership in Online Learning Fellow, 2016
- Best Presentation Award, 18th International Conference on Teaching, Education & Learning, Bangkok, Thailand, 2017
- Crystal Award, 1st place winner, Association for Educational Communications Technology, Division of Distance Learning (DDL) - Recognizes innovative and outstanding multimedia-based distance learning courses and distance learning projects, 2015
- Anglo Indian High School Leaving Certificate State Award, 1994

PROFESSIONAL MEMBERSHIPS

2014 - International Society for Performance Improvement (ISPI), Charlotte Chapter
2014 - American Talent Development, Charlotte Chapter
2014 - Online Learning Consortium (Sloan-C)
2008 - American Education Research Association (AERA)

2008 - 2009 International Society for Performance Improvement
2003 - Association for Educational Technology and Communications (AECT)
2003 - Elearning Guild