

# **CURRICULUM VITA**

**ANITA G. WELCH, Ph.D.**

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## EDUCATION

- Ph.D.**      **2007**    **University of Kansas**, Lawrence, KS  
Major: Curriculum & Instruction – Science Education  
Minor: Psychological Research in Education – Program Evaluation
- M.S.**      **2004**    **Pittsburg State University**, Pittsburg, KS  
Major: Secondary Science Education
- M.A.**      **1994**    **University of Connecticut**, Storrs, CT  
Major: Medieval Studies  
Minor: Medieval history, literature, and French
- B.A.**      **1993**    **University of Missouri-Kansas City**, Kansas City, MO  
Major: English

## PROFESSIONAL EXPERIENCE

- 2016-present    **Ball State University**, Muncie, IN  
Associate Dean of Teachers College &  
Professor of Educational Studies (tenured)  
Promotion to Full Professor May 2018
- 2014 – 2016    **Emirates College for Advanced Education**, Abu Dhabi, UAE  
Division Head of Curriculum Instruction & Educational Technology  
Associate Professor
- 2008 – 2014    **North Dakota State University**, Fargo, ND  
Assistant/Associate Professor of Teacher Education (tenured)  
Promotion and tenure to Associate Professor March 2014.
- 2008            **University of Kansas**, Lawrence, KS  
Adjunct Professor of Teacher Education
- 2004-2007     Graduate Research Assistant, Department of Curriculum & Instruction
- 2008            **University of Missouri-KC**, School of Education, Kansas City, MO  
Adjunct Professor of Science Education
- 1995 – 1997    Graduate Teaching Assistant
- 2001 – 2008    **National American University**, Department of General Education,  
Kansas City, MO  
Adjunct Professor of General Education

- 2006 – 2008 **Shawnee Mission South High School**, Overland Park, KS  
High School Pre-Engineering & Physical Science Teacher
- 2002 – 2006 **Washington High School**, Kansas City, KS  
High School Science Teacher
- 1996 – 2004 **Rockhurst University**, Department of English, Kansas City, MO  
Adjunct Professor of English

### **PROFESSIONAL CERTIFICATES & TRAINING**

- 2017 **Higher Learning Commission**  
Standard and Open Pathways Peer Review Training  
Chicago, IL
- AACTE Leadership Academy**  
Providence, RI
- 2016 **Qualtrics: An Introduction to the Basics of Survey Building**  
Ball State University, Muncie, IN
- 2016 **Online Teaching Certificate**  
Ball State University, Muncie, IN
- 2016 **Blackboard Certificate**  
Ball State University, Muncie, IN
- 2016 **Crucial Conversations Training**  
Ball State University, Muncie, IN

## PROFESSIONAL DEVELOPMENT

*Identifying and Removing Macroaggressions.* (May 2018). Webcast conducted by Academic Impressions hosted by BSU Office of the Provost.

*Accessing and Exploring NCES Data.* (April 2017). Workshop presented at the AERA conference, San Antonio, TX.

*Soliciting Endowment Support.* (January 2017). Webinar conducted by Academic Impression hosted by the BSU Foundation.

*Four Leadership Practices for Current or Aspiring Deans.* (November 2016). Webinar conducted by Academic Impressions hosted by the BSU Provost.

*BSU Qualtrics.* (September 2016). Workshop presented at BSU for survey design.

*Graphic Communication in Research.* (April 2016). Workshop presented at the AERA conference, Washington, DC.

*Hierarchical linear Modeling with Large-Scale International Databases.* (April 2016). Workshop presented at the AERA conference, Washington, DC.

*The Flipped Learning Model.* (Jan. 2016). Workshop presented at Emirates College for Advanced Education, Abu Dhabi, UAE.

*Verbal Judo Principals and Tactics.* (Jan. 2016). Workshop presented at Emirates College for Advanced Education, Abu Dhabi, UAE.

*Causal Analysis using TIMSS and PISA Data.* (Sept. 2015). Workshop presented at the ECER 2015 conference, Budapest, Hungary.

*Arabic Language for Non-Native Speakers.* (January 2015). Language course offered at ECAE.

*5 Effective Teaching Strategies.* (Sept. 2014). Workshop presented by Michelle Kelly at Emirates College for Advanced Education, Abu Dhabi, UAE.

*How to equip students with Information Literacy Skills.* (June 2014). Workshop presented during the International Conference on New Horizons in Education, Paris, Fr.

*Design for Universal Access: Teaching All Students Including Those with Disabilities.* (December 2011). Pedagogical Luncheon at NDSU.

*Mentor Training.* (October 2011). Program to increase knowledge of alcohol and drug use on campus at NDSU.

*Dig In Faculty Technology Workshop.* (May 2011). Workshop for classroom technology presented at NDSU.

*Dive In Faculty Technology Workshop.* (May 2009). Workshop for classroom technology presented at NDSU.

## **TEACHING**

### **Courses taught (since 2008):**

#### **While at Ball State University**

##### *Graduate*

EDST 671 Evaluation of Educational Programs  
EDST 691 Grant Writing

#### **While at Emirates College for Advanced Education**

##### *Undergraduate*

EDU 1003 Digital Literacy  
EDU 3003 Technology Integration

##### *Graduate*

EDU 04 Curriculum Design & Assessment  
EDU 06 Research Design

#### **While at North Dakota State University**

##### *Undergraduate*

EDUC 451 Instruction Planning, Methods, and Assessment  
EDUC 486 Classroom Management of Diverse Learners

##### *Graduate*

EDUC 651 Instructional Planning, Methods, and Assessment  
EDUC 686 Classroom Management of Diverse Learners  
EDUC 702 Statistics in Educational Research  
EDUC 750 Reflective Practice and Research Methods for Educational Research  
EDUC 752 Curriculum Design and Delivery  
EDUC 753 Managing and Monitoring Learning  
EDUC 796 Special Topics: Issues, History, and Rationale in Science Education

## TEACHING AWARDS & DISTINCTIONS

- Nominated for the Exceptional Contributions to Creative Approaches to Teaching Award in the College of Human Development and Education, May, 2011.
- Nominated for the Exceptional Contributions to Creative Approaches to Teaching Award in the College of Human Development and Education, April 2010.
- Recipient of Woodie Flowers Award, presented by the Greater Kansas City FIRST Regional Competition for Teaching excellence in teaching science, math, and creative design, March 2007.
- Nominated for State Teacher of the Year by the faculty of Washington High School, KS, April 2004.
- Recipient of the Unsung Heroes Award, presented by ING Corp., for development and implementation of “CSI Washington High: Forensic Chemistry in the Classroom,” Feb. 2003.
- Recipient of Teaching Award, presented by the Department of English, University of Mission-KC, April 1997.

## DISCIPLINED INQUIRY

Note: Impact Factors and Quartile rankings are provided by Scimago Journal & Country Rank (SJR) unless otherwise noted (<http://www.scimagojr.com/journalrank.php>)

### Publications

#### *Book Under Contract*

**Welch, A. G.,** Reardon, D., & Bolin, J. (Eds). (under contract November 2017). *Mid-Career Faculty*. Sense Publishers, The Netherlands: Brill-Sense Publishers.

#### *Peer Reviewed Publications Under Review*

**Welch, A. G.** (under review March 2018). Professional Teaching Dispositions of Online Faculty: Insights into Online Teaching. *TechTrends*.  
(Impact Factor: 1.064; Quartile Q1)

**Welch, A. G.**, Bolin, J., Reardon, D., & Stenger, R. (under review May 2018). Mid-Career Faculty: Trends, Barriers, and Possibilities. *Journal of the Professoriate*.

Bolin, J., **Welch, A. G.**, Stenger, R. (under review June 2018). Midcareer Faculty Productivity: Do University Characteristics Matter? *Journal of Vocational Behavior*.

### *Peer Reviewed Publications*

Ji, C., Duffield, S., Wageman, J. J., & **Welch, A. G.** (2017). Student perceptions of classroom learning environment and motivation to learn Chinese. *Chinese as a Second Language*, 52(2), 111-126. DOI 10.1075/csl.52.2.o1ji  
(Peer-reviewed journal: <https://benjamins.com/#catalog/journals/csl/main>)

Areepattamannil, S., Abdelfattah, F., Mahasneh, R. A., Khine, M. S., **Welch, A. G.**, Melkonian, M., & Al Nuaimi, S. A. (2016). Prediction of mathematics work ethic and performance from behavioral, normative, and control beliefs among Qatari adolescents. *Journal of Adolescence*, 46, 38-44.  
(Impact Factor: 1.795; Quartile Q1)

**Welch, A.**, Orso, D., Doolittle, J., & Areepattamannil, S. (2015). Matching Student Expectations with Instructors' Dispositions: Insight into Quality of Online Teaching. *The Journal of Effective Teaching*, 15(2), 5-19.  
(Peer-reviewed practitioner based online journal: <http://www.uncw.edu/jet/>)

Areepattamannil, S., Melkonian, M., Khine, M. S., **Welch, A.**, Al Nauimi, S. A., & Rashad, F. F. (2015). Are Emirati parents' attitudes toward mathematics linked to their adolescent children's attitudes toward mathematics and mathematics achievement? *Journal of Adolescence*, 44, 17-20.  
(Impact Factor: 1.795; Quartile Q1)

Salajan, F. D., **Welch, A.**, Ray, C., & Peterson, C. (2015). The role of peer influence and perceived teaching quality in faculty acceptance of web-based learning management systems. *International Journal on E-Learning*, 14(4). 457-524  
(Journal of the Association for the Advancement of Computing in Education; peer-reviewed; journal ranked 4<sup>th</sup> in e-learning <https://www.aace.org/pubs/ijel/>)

- Welch, A.,** Ray, C., Peterson, C., & Cakir, M. (2014). The Relationship Between Gender and Classroom Environment in Turkish Science Classrooms. *Educational Research and Reviews*, 9(20), 893-903.  
(Open Access peer-reviewed journal: <http://www.academicjournals.org/journal/ERR>)
- Welch, A.,** Napoleon, L, Hill, B, & Rommell, E. (2014). Virtual Teaching Dispositions Scale (VTDS): A Multi-dimensional Instrument to Assess Teaching Dispositions in Virtual Classrooms. *Journal of Online Learning and Teaching*, 10(3), 450-471.  
(Open Access peer-reviewed journal: <http://jolt.merlot.org>)
- Hofman, J., **Welch, A.,** & Bowen, B. (2014, March). Robotics Team Goes Varsity. *Tech Directions*, 13-17.  
(Peer-reviewed practitioner based journal: <https://www.techdirections.com>)
- Borr, M., Napoleon, L. & **Welch, A.** (Fall/Winter 2013). Technology access and use in North Dakota family and consumer sciences classrooms. *Journal of Family and Consumer Sciences Education*, 31(2), 11-24.  
(Peer-reviewed practitioner based journal: <http://www.natefacs.org/journal.html>)
- Napoleon, L., Borr, M. & **Welch, A.** (March 2013). North Dakota Family and Consumer Sciences Teachers' Interests in Technology Equipment, Technology Training, and Their Perceived Challenges. *Journal of Information Technology for Teacher Education*, 2013(1), 2617-2622.  
(Impact Factor: 1.066; Quartile Q1)
- Welch, A.** & Ray, C. (2013, January). A preliminary report of the psychometric properties of the Epistemic Beliefs Inventory. *The European Journal of Social & Behavioural Sciences*, 2(2), 278-303.  
(Peer-reviewed conference journal:  
<http://www.futureacademy.org.uk/publication/EjSBS/>)
- Welch, A.,** Cakir, M., Peterson, C., & Ray, C. (2012). A cross-cultural validation of the Technology-Rich Outcomes-Focused Learning Environment Inventory (TROFLEI) in Turkey and the United States. *Research in Science & Technological Education*, 30(1), 49-63.  
(Impact Factor: .743; Quartile Q1)
- Quintus, L., Borr, M., Duffield, S., Napoleon, L., & **Welch, A.** (2012). The impact of the Cornell note-taking method on students' performance in a high school family and consumer sciences class. *Journal of Family and Consumer Sciences Education*, 30(1), 27-38.



(Peer-reviewed practitioner based journal: <http://www.natefacs.org/journal.html>)

**Welch, A. & Huffman, D.** (2011). The effect of robotics competition on high school students' attitudes toward science. *School Science and Mathematics*, 111(8), 416-424.  
(Journal of the School Science and Mathematics Association; peer-reviewed:  
<https://ssma.org/school-science-and-mathematics-journal/>)

**Welch, A.** (2010). Using the TOSRA to assess high school students' attitudes toward science after competing in the FIRST robotics competition: An exploratory study. *EURASIA Journal of Mathematics, Science & Technology Education*, 6(3), 187-197.  
(Impact Factor: .903; Quartile Q2)

Huffman, D., Thomas, K., **Lundy (Welch), A.**, Lombardi, K. & Atwood, D. (2008). Reforming Elementary Science through Collaborative Evaluation Communities. *Council of Elementary Science International*, 40(1), 12-22.  
(Journal of the Council for Elementary Science International; peer-reviewed;  
<http://wordpress.cesiscience.org>)

**Lundy (Welch), A.** (1998). The Christianization of Morgan le Fay. *Postscript: A Journal of Graduate Criticism and Theory*, 4(2), 22-28.  
(Peer-reviewed journal; <http://journals.library.mun.ca/ojs/index.php/postscript>)

**Lundy (Welch), A.** (1996). Heresy-Hunting and Cambridge, Magdalene College, MS Pepys 2125, ff. 40r–143r. *Manuscripta*, 41(2), 88-109.  
(Peer-reviewed journal; <http://lib.slu.edu/special-collections/publications/manuscripta>)

**Lundy (Welch), A.** (1996). Carnality and Witchcraft: The Salaciousness of Women as a Foundation for the *Malleus Maleficarum*. *Magistra*, 2(1), 63-87.  
(Peer-reviewed journal; <https://www.mountsb.org/publications/magistra>)

### ***Peer Reviewed Published Proceedings***

**Welch, A., & Napoleon, L.** (2015) Professional Teaching Dispositions of Online Instructors: Why They Matter. *Procedia: Social & Behavioural Sciences*, 171, 584-589.

Salajan, F., **Welch, A.**, Peterson, C. & Ray, C. (2011). Faculty perceptions of teaching quality and peer influence in the utilization of learning technologies: An extension of the

technology acceptance model. *Proceedings of the International Conference on e-Learning*, 335-343.

Salajan, F., **Welch, A.**, Peterson, C. & Ray, C. (2011). A Measurement of Faculty Perceptions and Usage of Learning Technologies through Authentic Testing and Qualitative Assessment. *World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2011*, 2500-2509.

### ***Non-Peer Reviewed Published Proceedings***

Peterson, C. M., **Welch, A.**, Çakir, M., & Ray, C. M. (2012). Cross-Cultural Use of Surveys and Instruments in International Research: Lessons Learned from a Study in Turkey and the United States. In M. Boucouvalas, & C. Pacalo (Eds.) *Commission of International Adult Education of the American Association of Adult and Continuing Education Proceedings of the 2012 CIAE Pre-Conference* (pp. 109-118).

**Lundy (Welch), A.** (1996). The Seven Works of Bodily Mercy: Evidence of Possible Wycliff Influence in Pepys 2125?, *Proceedings from the Fourth Dakotas Conference on Early English Literature*, Peru, NE: Peru State College.

### ***Published Books***

**Welch, A.**, & Areepattamannil, S. (Eds.). (2016). *Dispositions in Teacher Education: A Global Perspective*. The Netherlands: Sense Publishers.

### ***Published Book Chapters***

**Welch, A. G.**, & Areepattamannil, S., & Dickson, M. (2016). The development and validation of the Abu Dhabi Professional Teaching Disposition Scale. In A. G. Welch & S. Areepattamannil (Eds.), *Dispositions in teacher education: A global perspective* (pp.181-196). Rotterdam, The Netherlands: Sense.

Areepattamannil, S., **Welch, A.**, Melkonian, M., & Saqr, S. (2016). Non-cognitive correlates of Emirati adolescents' mathematics performance: A multilevel analysis. In M. S. Khine (Ed.), *Non-cognitive skills and factors in educational attainment*. (pp. 397-410). Dordrecht, The Netherlands: Sense.

**Welch, A. & Huffman, D. (2015).** Students' Attitudes toward Scientists. In M. Khine (Eds.) *Attitudes Measurement in Science Education: Classic and Contemporary Approaches* (pp. 263-281). Charlotte, NC: Information Age Publishing.

**Welch, A. & Huffman, D. (2014).** P-12 Robotics Competitions: Building More than Just Robots – Building 21<sup>st</sup> Century Thinking Skills. In S. Purzer, J. Strobel, and M. Cardella (Eds.) *Engineering in Pre-College Settings: Synthesizing Research, Policy, and Practices* (pp. 383-398). West Lafayette, IN: Purdue University Press.

**Welch, A. & Huffman, D. (2011).** Students' Attitudes toward Scientists. In I. Saleh. and M. Khine (Eds.) *Attitude Research in Science Education: Classic and Contemporary Measurements* (pp. 263-280). Charlotte, NC: Information Age Publishing.

#### ***Non-Peer Reviewed Publications***

**Welch, A. (2007).** The Effect of the FIRST Robotics Competition on High School Students' Attitudes toward Science. *Dissertation Abstracts International*, (UMI No. 3283939).

#### ***Evaluation and Technical Reports***

**Welch, A. (2012)** *BEST Robotics Competition 2010-2011 Evaluation Final Report*. Auburn University, AL: BEST Robotics, Inc.

**Welch, A. (2011).** *Red River Basin River Watch Program Annual Evaluation Report*. Fargo, ND: Red River Watershed Management Board.

**Welch, A. (2009).** *Sharing FIRST Website Evaluation*. Manchester, NH: US FIRST.

**Lundy (Welch), A. (2005).** *USD #500 Chemistry Syllabus*. Kansas City, KS: USD # 500 School District.

## Presentations at Professional Meetings

### Invited Presentations & Keynotes

#### *International*

**Welch, A.**, Reardon, D., Bolin, J., & Steger, R. (August 2017). *Mid-Career Faculty: Trends, Barriers, and Possibilities*. Invited symposium presentation at the SIG4 Symposium on Higher Education at the EARLI 2017 (European Association for Research and Learning and Instruction) conference in Tampere, Finland.

**Welch, A.** (October 2015). *New Global Trends in Linking Education with Development*. Invited paper presentation and panel participant at the ECSSR's Sixth Annual Education Conference "Education and Development: Towards a Modern Education System in the UAE," Abu Dhabi, UAE.

**Welch, A.** (October 2015). *The Virtual Office: Using Social Media to Promote Your Academic Persona*. Invited **keynote** speaker at the 6<sup>th</sup> International Conference on Education and Educational Psychology (ICEEPSY), Istanbul, Turkey.

**Welch, A.** (October 2014). *Teaching Dispositions of Online Instructors: Why They Matter*. Invited **keynote** speaker at the 5<sup>th</sup> International Conference on Education and Educational Psychology (ICEEPSY), Kyrenia, Cyprus.

**Welch, A.,** Napoleon, L., Roumell, E., & Hill, B. (Oct. 2013). *Readiness for Virtual Mediated Instruction (RVMI): An Instrument to Assess the Professional Dispositions of Successful Educators in the Virtual Classroom*. Invited workshop in conjunction with the 4<sup>th</sup> International Conference on Education and Educational Psychology (ICEEPSY), Antalya, Turkey.

**Welch, A.** (July 2012). *Using Snagit® to Provide Formative Assessment for English Language Learners*. Invited to be an international **keynote** speaker at the Second International Symposium: Towards a Technology-based ELT in Higher Education" to be held at eh University A-Mira, in Béjaia, Algeria.

#### *National (USA)*

**Welch, A.** (April 2014). *The Meaning of Honor*. **Keynote** speaker at the Honor Society of Phi Kappa Phi Initiation. University of Illinois at Urbana-Champaign, IL.

**Welch, A.** (November 2010). *Examining the Past to Prepare for the Future: Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics*. Keynote speaker at the 3<sup>rd</sup> Annual Undergraduate Research Conference hosted at the University of Louisiana At Lafayette.

### ***State & Local***

**Welch, A.** (December 2013). *The Current: Rethinking Curriculum*. Interview conducted by *The Forum*. <http://www.inforum.com/event/article/id/420340/group/homepage>

**Welch, A.** (June 2012). *STEM Competencies, the 4 Cs, and Robotics Competitions: Preparing our 21<sup>st</sup> Century Workforce*. Presentation made at the North Dakota Council of Educational Leaders Summer Conference, Bismarck, ND.

**Welch, A.** (June 2010). *Effective use of WIMBA Classroom in Polling, Websites, and Videos*. Presentation made at the North Dakota Statewide WIMBA Conference, Bismarck, ND.

### **Peer Reviewed Conference Presentations Under Review**

**Bolin, J. H., Welch, A. G., & Stenger, R.** (November 2018). Mid-Career Faculty Productivity: Do University Characteristics Matter? *Paper Submitted to the 43rd Annual Association for the Study of Higher Education Conference*. Tampa, FL.

### **Peer Reviewed Conference Presentations**

#### ***International***

**Welch, A., Bolin, J., Reardon, D., & Stenger, R.** (April 2018). *Mid-Career Faculty Productivity: Trends, Barriers, and Possibilities*. Paper presented at the American Education Research Association (AERA), Division J – Section 4: Postsecondary Education: Faculty, Curriculum, and Teaching, New York, NY.

- Welch, A.,** Areepattamannil, S., & Dickson, M. (April 2016). *Development and Validation of the Pre-Service Teachers Disposition Scale*. Paper presented at American Education Research Association (AERA), in Division D – Section 1: Psychometrics, Measurement, and Assessment. Session titled “Linking, Equating, and Scaling: Issues and Practices,” Washington, DC.
- Welch, A.,** Areepattamannil, S., & Dickson, M. (Sept. 2015). *Assessment of Pre-Service Professional Teaching Dispositions in the UAE*. Paper presentation at the European Conference on Educational Research (ECER), Budapest, Hungary.
- Welch, A.** & Napoleon, L. (June 2014). *Professional Teaching Dispositions of Online Instructors*. Paper presentation at the International Conference on New Horizons in Education, Paris, France.
- Welch, A.,** Hill, B., Napoleon, L., & Rook, B. (March 2014). *Assessment of Professional Teaching Dispositions in the Virtual Classroom: The Virtual Teaching Dispositions Scale (VTDS)*. Paper presentation at the International Technology, Education and Development Conference, Valencia, Spain.
- Peterson, C. M., **Welch, A.,** Çakir, M., & Ray, C. M. (2012, November). *Cross-Cultural Use of Surveys and Instruments in International Research: Lessons Learned from a Study in Turkey and the United States*. Paper presentation at the conference of the American Association of Adult and Continuing Education, Commission of International Adult Education Pre-Conference, Las Vegas, NV.
- Welch, A.** & Ray, C. (October 2012). *A Psychometric Re-evaluation of the Epistemic Beliefs Inventory*. Paper accepted for presentation at the 3<sup>rd</sup> International Conference on Education and Educational Psychology 2012 (ICEEPSY), Istanbul, Turkey.
- Huffman, D. & **Welch, A.** (November 2011). *High School Robotics Competition: Building More than Robots*. Poster accepted for presentation at the Evaluation 2011: The American Evaluation Association Conference, Anaheim, CA.
- Salajan, F., **Welch, A.,** Erichsen, E., Peterson, C. & Ray, C. (October 2011). *A Measurement of Faculty Perceptions and Usage of Learning Technologies through Authentic Testing and Qualitative Assessment*. Paper presented at the E-LEARN 2011 – World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, Honolulu, Hawaii.
- Welch, A.,** Cakir, M., Peterson, C., & Ray, C. (October 2011). *A Cross-Cultural Validation of the Technology-Rich Outcomes-Focuses Learning Environment Inventory (TROFLEI)*.

Paper presented at the 2<sup>nd</sup> International Conference on Education and Educational Psychology 2011 (ICEEPSY), Istanbul, Turkey.

**Welch, A.,** Cakir, M., Peterson, C., & Ray, C. (August 2011). *The Technology-Rich Outcomes-Focused Learning Environment Inventory (TROFLEI): A Cross-Cultural Validation*. Paper accepted for presentation at the 2011 Colloquium on P-12 STEM Education Research, St. Paul, MN.

Peterson, C., **Welch, A.,** Cakir, M., & Ketterling, G. (July 2011). *Technology as a Three-legged Stool for International Collaboration and Research*. Paper accepted for presentation at EDULEARN 11 International Conference on Education and New Learning Technologies, Barcelona, Spain.

Salajan, F., **Welch, A.,** & Peterson, C. (June 2011). *Do Learning Technologies Make Better Teachers? Faculty Acceptance of Synchronous and Asynchronous Modes of Teaching*. Paper presented at the 6<sup>th</sup> International Conference on e-Learning, Kelowna, British Columbia, Canada.

**Welch, A.** (January 2010). *Examining the Past to Prepare for the Future*. Paper presented at the 2010 Hawaii International Conference on Education, Honolulu, HI.

**Welch, A.,** & Ketterling, G. (January 2010). *Teaching in the Cloud: Do Web 2.0 Resources Foster Epistemic Growth in Undergraduate Environmental Science Students?* Paper presented at the 2010 Hawaii International Conference on Education, Honolulu, HI.

**Welch, A.** (April 2009). *Blood, Sweat, and Gears: How the FIRST Robotics Competition Effects Attitudes toward Science*. Paper presented at the 2009 National Association of Research in Science Teaching International Conference, Garden Grove, CA.

### *National*

Napoleon, L., Borr, M., & **Welch, A.** (2013). *North Dakota Family and Consumer Sciences Teachers' Interests in Technology Equipment, Technology Training, and Their Perceived Challenges*. Presentation at the Society for Information Technology and Teacher Education 24<sup>th</sup> Annual Conference, New Orleans, LA.

**Welch, A.** & Huffman, D. (March 2012). *Creativity, Communication, Collaboration, and Critical Thinking: Building the Four Cs by Building Robots*. Paper presented at the NSTA National Conference in Indianapolis, IN.

- Welch, A. & Huffman, D.** (November 2011). *P-12 Robotics Competitions: Building More than Just Robots -- Building 21<sup>st</sup> Century Skills*. School Science and Mathematics Association 2011 Annual Convention, Colorado Springs, CO.
- Welch, A.** (August 2010). *The Effect of Robotics Competitions on High School Students' Attitudes toward Science*. P-12 Engineering and Design Education Research Summit, 2010. Seaside, OR.
- Welch, A.** (March 2009). *FIRST: Changing Attitudes... Changing the Future*. Paper presented at the 2009 NSTA National Conference in New Orleans, LA.
- Welch, A.** (November 2007). *First Steps in Robotics: FIRST in Competition*. Keynote speaker at the McEachen Circle 2007 Annual Luncheon, Shawnee Mission Education Foundation, Lenexa, KS.
- Welch, A.** (October 2007). *Project Lead the Way: Rigor, Relevance, and Reality in the Classroom*. Policy Forum hosted by the Kansas State Board of Education. Topeka, KS.
- Lundy (Welch), A.** (April 2007). *The Effects of FIRST Robotics on Students' Attitudes toward Science*. Paper presented at the FIRST Robotics Championship, Atlanta, GA.
- Huffman, D., & **Lundy (Welch), A.**, Lawrenz, F., Fleming, M. (April 2006). *Collaborative Evaluation Communities in Urban Schools: A model of Evaluation Capacity Building in STEM Education*. Poster presented at the National Association for Research in Science Teaching International Conference, San Francisco, CA.
- Lundy (Welch), A.** (October 1996). *Cambridge, Magdalene College, Pepys Library MS 2125: A Wycliffite Document?* Paper presented at the Twenty-Third Saint Louis Conference on Manuscript Studies, St. Louis, MO.
- Lundy (Welch), A.** (May 1996). *Goddess or Witch: The Magic and Myth of Morgan le Fay in Parke Godwin's Firelord and Thomas Malory's Le Morte d'Arthur*. Paper presented at the English Graduate Student Conference, Kansas City, MO.
- Lundy (Welch), A.** (April 1996). *The Seven Works of Bodily Mercy: Evidence of Possible Wycliffe Influence in Pepys 2125*. Paper presented at the Fourth Dakotas Conference on Early English Literature, Peru, NE.
- Lundy (Welch), A.** (February 1996). *Pepys Manuscript 2125: A possible Wycliffite Document*. Presented at the annual meeting of the Mid-America Medieval Association, Emporia, KS.



**Lundy (Welch), A.** (February 1995). *Carnality and Witchcraft: The Salaciousness of Women as a Foundation of the Malleus Maleficarum*. Paper presented at the annual meeting of the Arizona Center for Medieval and Renaissance Studies, Phoenix, AZ.

**Lundy (Welch), A.** (April 1994). *The Devill in his Fethers: An Examination of the Staging of the Hell Scene in the Chester Cycle and its Effects and Influences on Popular Belief*. Paper presented at the Graduate Student Conference in Medieval Studies, Storrs, CT.

### *Invited Workshop Presentations*

**Welch, A.** (January 2016). *Video Feedback: Providing Constructive Feedback using Sceencast-O-Matic*. Workshop session presented during the ECAE Faculty Professional Development Day, at Emirates College for Advanced Education, Abu Dhabi, UAE.

**Welch, A.** (November 2015). *ePortfolios for Evaluation of Faculty Teaching*. Workshop session presented to principals from Azerbaijan participating in week-long training, School Based Management, offered by the Paris Sorbonne University, Abu Dhabi.

**Welch, A.** (October 2015). *Writing Grant Proposals*. Workshop session presented to faculty at Emirates College for Advanced Education, Abu Dhabi, UAE.

**Welch, A.** (July 2015). *Developing an Instrument to measure the Dispositions of Pre-Service Teachers: Preliminary Findings*. Presentation made at the 2015 ECAE Research Forum: Informing Our Practice, Abu Dhabi, UAE.

**Welch, A.** (January 2015). *Introduction to statistics using SPSS*. Workshop session presented to faculty at Emirates College for Advanced Education, Abu Dhabi, UAE.

**Welch, A.** (September 2014). *Promoting your academic persona: Designing your online presence*. Workshop session presented to faculty at Emirates College for Advanced Education, Abu Dhabi, UAE.

**Welch, A.** (April 2014). *Engaging Students with Science and Robots*. Workshop session presented to faculty during the 4-H Spring Training session, Fargo, ND.

**Welch, A., Snyder, H., Miller, D., & Wachenheim, C.** (January 2014). *Panel on Peer Review of Teaching*. PRT Workshop, sponsored by Advance Forward, Fargo, ND.

- Welch, A.** (November 2013). *Project Lead the Way: From a Teacher's Perspective*. Project Lead the Way North Dakota and South Dakota Conference, Fargo, ND.
- Welch, A.** (October 2013). *Back to Basics: Why Assumptions Matter*. HD&E Quantitative Analysis Consulting workshop, Fargo, ND.
- Welch, A.** (August 2012). *Technology Champions Lightning Round* panelist during the NDSU Teaching & Learning Conference, Fargo, ND.
- Welch, A.** (July 2012). *Technology in the Classroom*. Workshop session presented to faculty in the Pipeline for Tribal Pre-Engineering Educational Collaborative.
- Peterson, C. & **Welch, A.** (January 2012). *Crossing the Pond: Facilitating International Research Collaboration*. NDSU School of Education Colloquium Series, Fargo, ND.
- Xu, J., Duffield, S., Wageman, J., & **Welch, A.** (Nov. 2011). *English Language Learners' Perceptions of Effective Teaching Strategies*. NDSU School of Education Colloquium Series, Fargo, ND.
- Quintus, L., Borr, M., Duffield, S., Napoleon, L., & **Welch, A.** (Sept. 2011). *The Impact of the Cornell Note-Taking Method on Students' Performance in a High School Family and Consumer Sciences Class*. NDSU School of Education Colloquium Series, Fargo, ND.
- Salajan, F. & **Welch, A.** (April 2011). *Information Technology and Tomorrow's University Classroom: A Report from the EDUCAUSE Midwest Regional Conference*. NDSU School of Education Colloquium Series, Fargo, ND.
- Welch, A.** (October 2010). *Strategies for Writing Literature Reviews*. Invited speaker at the 2010 Education Doctoral Program Get Together, NDSU.
- Welch, A.** & Wood, N. (September 2010). *Technology Tools and Tips for Research and Teaching*. Presentation by Anita Welch and Nate Wood. NDSU School of Education Colloquium Series, Fargo, ND.
- Welch, A.,** Borr, M., Clapper, A., & Nielsen, B. (August 2010). *Teaching Technology and Hybrid teaching: Ideas that Work*. Panel member for presentation made during the HD&E meeting.
- Welch, A.** (March 2010). *NDSU Distance Educational Council Symposium*. Panel member. NDSU.

**Welch, A.,** Clapper, A., Grandbois, D., & Lilleberg, N. (March 2010). *Digital Divas: Rebels in the Classroom*. Member of four-person group presentation. NDSU.

**Welch, A.** (December 2008). *Using Primary Documents in Engineering and Physics Classrooms: An Immersive 3D Inquiry Based Learning Experience*. NDSU School of Education Colloquium Series, Fargo, ND.

## GRANTS

### While at Ball State University

#### *Funded*

ASPIRE International Travel Award (April 2017) \$400

#### *Unfunded*

AERA Research Grant

Mid-Career Faculty Trends Barriers and Possibilities: A multilevel analysis of the NSOPF

PI: J. Bolin, Co-PI: **A. Welch**

(submitted September 2017; decision received December 2017) \$30,000

The Partnership to Strengthen Innovation and Practice in Secondary Education, (PI),  
(submitted December 2016; decision received March 2017) \$500,000  
“Center for Transformative Pedagogies at Masinde Muliro University of Science and  
Technology”

### While at Emirates College for Advanced Education

#### *Funded*

Abu Dhabi Education Council, (co-PI), 2016 AED 170,000/\$46,286

“Beyond ABC’s and 123’s: A two-year longitudinal study of the impact of Kindergarten education on child outcomes in Abu Dhabi. ADEC Award for Research Excellence (A<sup>2</sup>RE) 2015, Abu Dhabi Education Council, Abu Dhabi”

Emirates College for Advanced Education Research Grant AED 15,000/\$4,100

## **While at North Dakota State University**

### ***Funded***

USDA/NIFA Subaward for External Evaluation, (co-PI)	\$27,000
North Dakota State Assessment and Accountability System Research Project 2011-2012 (co-PI)	\$430,738
NDSU Faculty Development Grant, 2011	\$4,500
NDSU Professional Development Grant, 2011	\$1,000
NDSU Advance Forward Course Release Grant, 2011	\$4,500
BEST Robotics Evaluation, 2010-2011	\$3,900
NDSU Support for Professional Development and Program Reputation	\$500
Red River Basin River Watch Evaluation Study, 2009-2012.	\$30,000
Sharing FIRST Website Evaluation, FIRST Robotics, 2008-2009.	\$4,991

### ***Unfunded***

Department of Naval Research. <i>Bison BOTS: Extending the STEM Outreach Pipeline into Early Elementary Classrooms</i> , 2011	\$507,795
NDSU Advance FORWARD Leap Research Grant, 2011	\$400,000
NDSU Advance FORWARD Grant, 2010	\$30,000

## **While at Washington HS and Shawnee Mission South HS**

### ***Funded***

Ewing Marion Kauffman Foundation, FIRST Robotics, 2006 – 2009.	\$23,000
NASA Robotics Alliance Project, Regional Challenge, 2006-2007.	\$6,000
Renewed 2007-2008.	\$6,000

Shawnee Mission Educational Foundation, 2006-2007.	\$3,500
NASA Robotics Alliance Project, Program Growth, 2004-2005.	\$11,000
Ewing Marion Kauffman Foundation, FIRST Robotics, 2004-2007.	\$23,000
Excellence in Teaching Grant, Learning Exchange and Kansas City Star, 2003.	\$1,500
Grant for Excellence, Wolf Creek Nuclear Corp., 2002.	\$1,000

### **RESEARCH AWARDS & DISTINCTIONS**

- ASPIRE International Travel Award, April 2017
- Recipient of the Lorraine Elvrum Murphy Endowed International Fund – NDSU Faculty International Award, January 2014
- Recipient of NDSU Provost’s Travel and Research funding, July 2013.
- Recipient of the James Lebedeff Endowed Professorship Development Award, May 2013.
- Nominated for Exceptional Contributions to Research Award in the College of Human Development and Education, May 2013.
- Recipient of 2012-2013 College of Human Development & Education Research Support Award.
- Nominated for the Exceptional Contributions as an Emerging Researcher Award in the College of Human Development and Education, May 2012.
- Recipient of NDSU Provost’s Travel and Research Fund Award, December 2011.
- Recipient of 2011-2012 College of Human Development & Education Research Support Award.
- Recipient of an NDSU Advance FORWARD Course Release Grant, fall 2011.
- Recipient of the Lucile Cornetet Professional Development Award from the Delta Kappa Gamma Educational Foundation, September 2011.
- Recipient of the James Lebedeff Endowed Professorship Development Award, May 2011.
- Faculty Travel Award from the Research, Creative Activities & Technology Transfer (RCATT), July 2010.
- Recipient of “Support for Professional Development and Building Program Reputation and Image” July 2010.
- Recipient of 2009-2010 College of Human Development & Education Research Support Award.
- Faculty Travel Award from the Research, Creative Activities & Technology Transfer (RCATT), April 2009.

- NDSU Advance FORWARD Travel Award to attend a two-day meta-analysis workshop at George Washington University, July 2009.

## **SERVICE**

### **Contributions to the Profession**

#### ***Ball State University***

*Ball State Advisory Council on Scholarship* (May 2018 – present). Appointed to the council by the Associate Vice Present of Research.

Doctoral committee member for Elizabeth Campbell in Educational Psychology and Josh Huwig in Educational Leadership.

BSU Day at the Indiana Statehouse (February 2018). Served as Teachers College representative during the event.

Rinker Center Friendship Family (January 2018 – present). Mentor Ball State international students and help them become familiar with American culture.

Excellence in Graduate Recruiting Award Selection Committee (November 2017 – present). Serve as Teachers College representative on the selection committee.

Faculty Advisor (October 2017– present).). Faculty advisor for the newly formed student chapter of the American Association of University Women (AAUW).

Welcome Address (July 2017). Welcome speech given to the Purdue Northwest Trio Students as part of their Graduate School Tour.

*Ball State University Alumni* magazine Editorial Board. (February 2017– present).). Appointed by Dean Jacobson. Serve as a member of the editorial board.

Higher Learning Commission Steering Committee (November 2016 – present). Appointed by Dean Jacobson to serve at the college representative to assist in the preparation of the university assurance report.

Dual Career Couples Task Force (October 2016 – April 2017) Appointed by acting Provost Morris to serve on a task force exploring the need for established, consistent, and communicated practices regarding requests for hire from dual career couples.

Ball State Alumni Association (August 2016 – present). Participated in a variety of alumni functions throughout Indiana.

Ball State University Assessment Committee (August 2016 – present).

Provost's Prize for Outstanding Senior Review Committee (November 2016)

PhD Pathways (July 2016 – present).

Teachers College Dean Search Committee (October 2016 – April 2017).

Teachers College Advancement Committee (July 2016 – present).

Teachers College CAEP Leadership Team (July 2016 – present).

Co-Chair CAEP Stand 2

Teachers College Curriculum Committee (July 2016 – present).

Teachers College Dean Advisory Council (September 2016 – present). Presentation highlighting current and future research direction of the college.

Teachers College Diversity Committee (July 2016 – present).

Teachers College Immersive Learning Micro-Grant Committee (September 2016 – present)

### ***Emirates College for Advanced Education***

Academic Affairs Committee (Sept. 2014 – 2015). Appointed by Dean to membership on the committee.

Academic Affairs Sub-Committee: Undergraduate Programs (Sept. 2014 – 2015). Appointed by the Vice Chancellor to serve as chair of the committee.

Academic Program and Curriculum Committee (Sept. 2015 – present). Appointed by Dean to membership on the committee.

Assessment and Admissions Committee (Sept. 2014 – present). Appointed by Dean to membership on the committee.

Division Head of Curriculum and Instruction & Educational Technology Division (Sept. 2014 – present). Appointed by the Vice Chancellor to serve as division head.

Faculty Development Committee (Sept. 2015– present). Appointed by the Vice Chancellor to serve as chair of the committee.

PhD Task Force (Sept 2014 –2015). Appointed by the Vice chancellor to serve on special task force to design PhD in education program.

### *North Dakota State University*

NDSU Faculty Senate. Served as one of the HDE representatives. Selected to three-year term between September 2010 – May 2013. Appointed in 2010 by Senate president Amy Rupiper Taggart to serve on the ad hoc committee charged with creating the faculty senate model and forming the new by-laws. Committee members included Amy Rupiper Taggart, Benton Duncan, Paul Homan, Tom Colville, David Buchanan, Christina Weber, and Tom Carlson. In 2010, worked with a committee chaired by James Council to revise Policy 335.

NDSU Faculty Mentor. (January 2014 – 2014). Appointed by Canan Bilen-Green as a senior faculty mentor to three assistant professors in HNES.

NCAA University Student-Athletics Appeals Committee. (2013 – 2014). Appointed by Pres. Bresciani to a three-year term, beginning August 2013. Committee reviews appeals and provides recommendations to the President.

NDSU Commencement. Served as Marshal during commencement ceremonies (2013 – 2014).

NDSU STEM Building Committee. Nominated by the College of HD&E to serve as their representative of the STEM Building Committee. (2013 – 2014).

NDSU Faculty Senate. Served as one of the HDE representatives. Selected to three-year term between September 2010 – May 2013. Appointed in 2010 by Senate president Amy Rupiper Taggart to serve on the ad hoc committee charged with creating the faculty senate model and forming the new by-laws. Committee members included Amy Rupiper Taggart, Benton Duncan, Paul Homan, Tom Colville, David Buchanan, Christina Weber, and Tom Carlson. In 2010, worked with a committee chaired by James Council to revise Policy 335.

NDSU Senate Coordinating Council. (2011-2013). Appointed by Faculty Senate President Gary Totten in 2011 to serve as one of three Faculty Senate representatives on this joint senate council which coordinates the routing and adoption of policies and policy changes for their placement into the NDSU Policy Manual.

NDSU Bookstore Advisory Committee. (2010-2014). Appointed to serve on the committee in 2010. The committee develops recommendations that assist Bookstore management in making operational improvements, determining, and reviewing both short range and



long-range goals, and reviewing general service and operational philosophy. Its charge includes a responsibility for establishing and maintains a two-way communication between Bookstore management and the various segments of the University community.

Phi Kappa Phi National Honor Society. (2009 – 2014). In addition to my responsibilities at the national level detailed below, serve as the NDSU Chapter 10 President (2011-2013). Have also held positions as President-Elect (2009-2011) and Vice-President (2008-2009) and serve as member of the Executive Board from 2008 to present. The NDSU chapter received the Chapter of Merit Award at the 2012 biennial convention in St. Louis in August 2012.

FYE mentor. (2008 – 2013). Serve as faculty representative at Weible Hall for the “First Year Experience” (FYE) program, working with college freshmen during their first year to increase their success rate. Conduct numerous presentations and workshops for the residences throughout the academic year. Participated with members of Residence Life in the “Biking for Breast Cancer” event in October 2011.

NDSU Residence Life Advisory Board. (2012 – 2014). Serve as faculty representative on the board which provides feedback to the residence life leadership team on issues relating to student life on and around campus.

Peer Reviewer of Teaching. (2011 – 2014). Served as a peer reviewer for Sudarshan Srinivasan in electrical and computer engineering during spring 2011 semester. In spring 2012, served as a peer reviewer with Jared Tucker in HD&E. Served as peer reviewer for Kwangsoo Park in HD&E throughout the spring 2013 semester.

Technology Fee Advisory Committee. (2012 – 2014). Appointed by Dean Virginia Clark-Johnson to serve as a faculty representative and voting member to the committee whose charge is to monitor and recommend appropriation of funds collected from student technology fees.

2013 NDSU Graduate Methods Conference “Ties That Bind: Methods of Social Research”. Invited to serve as panel discussant for “Survey Methods” session at graduate student conference.

NDSU Game Guild. (2009 – 2011). Served as faculty advisor of student organization.

HD&E Academic Affairs Committee. (2013 – 2014). Appointed by Virginia Clark Johnson to committee in July 2013.

HD&E Research Committee. (2011 – 2014). Serve as member of committee.

HD&E Technology in Education and Research. (2008 – 2013). Appointed committee chair in 2011.

HD&E Honor Commission. (2009-2012). Served as Faculty Advisor for the HD&E Honor Commission.

Associate Dean Evaluation Committee. (2011-2012). Appointed by Dean Virginia Clark-Johnson to chair committee responsible for the evaluation of Associate Dean Greg Sanders. The committee was charged with the task of designing an instrument to assess job performance, the collection of data, and the writing of the evaluation report presented to the Dean.

Teacher Education Graduate Program Director. (2013-2014). Appointed by Department Chair Dr. William Martin.

Academic Affairs Committee. (2010-2014). Committee member.

By-Laws Committee. (2012-2014). Committee member.

Graduate (Advanced Program) Council. (2010-2014). Committee member.

Graduate Dispositions. (2012-2014). Committee member.

Technology Committee. (2010-2012). Committee member

Faculty Search Committee. (2010). Serve on Faculty Search Committee for School of Education Educational Technology position.

#### ***Guest Editor***

*The Turkish Online Journal of Educational Technology*. (April 2017). Guest editor.

#### ***Associate Editor***

*Journal of STEM Arts, Crafts, and Constructions*. (2016- present). Serve as a member of the Editorial Board.

#### ***Editorial Board Memberships***

*Interdisciplinary and International Perspectives on 3D Printing in Education*. (2018-present). Book to be published by IGI Global. Serve as member of the Editorial Advisory Board.

*Ball State University Alumni Magazine.* (2017-present). Serve as a member of the Editorial Board.

*Electronic Journal of Science Education.* (2011-2016). Serve as a member of the Editorial Board.

*International Journal of Education and Learning.* (2011-present). Serve as a member of the Editorial Board.

*Pakistan Journal of Distance and Online Learning.* (2015-present). Serve as a member of the Editorial Board.

*Pakistan Journal of Education.* (2015-present). Serve as a member of the Editorial Board.

*The Turkish Online Journal of Educational Technology.* (2012-present). Serve as a member of the Editorial Board.

### ***International & National Service***

Allyn & Bacon Publishers. (2010). Contracted by publisher to review “Principles of Classroom Management – A Professional Decision-Making Model 6e” by Levin and Nolan.

American Association of Colleges for Teacher Education (AACTE). (2016-present). Serve as a reviewer for conference presentations. Selected for membership to the Research and Dissemination Committee in 2018

American Association of University Women (AAUW) (2016-present). Elected as President-Elect of the Muncie branch in May 2017. Will serve as president beginning May 2018.

American Evaluation Association (2008-2012). Serve as review of proposals for presentation at national conference in the Distance Education and Technology division.

American Educational Research Association. (2008-present).

Division A: Member 2016 – present.

Division B: In 2010, served as a reviewer for paper proposals submitted to Curriculum Studies (Section 2: Globalization, Decolonization, and Liberation) and to Curriculum Studies (Section 3: Challenging Methodological Boundaries in Research).

Division C: In 2010 and 2011, served as a reviewer for paper proposals submitted to Learning and Instruction (Section 4: Science).

Division D: Between 2015-2017, served as an editorial committee member for Division D – Measurement & Research Methodology.

In 2016 and 2017, hosted a graduate student mentoring session in International Job Searching at the AERA conference.

In 2016 and 2017, served as a reviewer for papers and sessions.  
In 2017, selected for membership to the Division D Mentoring Committee.  
Division H: Served on the 2009 selection committee for Outstanding Publications Section 4: Planning, Policy, or Management Research.  
In 2010 and 2011, served as a reviewer for paper proposals submitted to Section 2- Program Evaluation in School Settings.  
In 2011, served as a reviewer for paper proposals submitted to Research, Evaluation and Assessment in Schools.  
In 2016 and 2017, served as a reviewer for papers and sessions in Division H.  
In 2017, served as chair of Roundtable session during AERA Annual Meeting and served as in mentor for graduate students and early career faculty as part of the Coffee Mentorship Program.  
In 2018, served as a member of the Outstanding Dissertation Award Committee.  
Division J: In 2010, served as a reviewer for paper proposals submitted to Postsecondary Education (Section 4: Faculty, Curriculum, and Teaching).  
In 2016, served as a reviewer for papers and sessions in Division J.  
Division K: In 2016, served as a reviewer for papers and sessions in Division K.  
SIG International Studies: Member 2013 – present. In 2013, serves as a reviewer for paper proposals submitted to SIG.  
SIG 66 Mentorship and Mentoring Practices: Member 2016 – present. Candidate for Program Chair in 2018.  
SIG Online Teaching and Learning: Member 2016 – present.  
SIG Problem-based Education: In 2010, served as a reviewer for paper proposals submitted to SIG.  
SIG-Technology, Instruction, Cognition & Learning: Member 2010 – present. In 2010, served as a reviewer for paper proposals submitted to SIG.

*American Journal of Educational Research.* (2014-present). Serve as reviewer of manuscripts for publication.

*Arab World English Journal.* (2015-present). Served as a reviewer of manuscripts for publication.

Association for Science Teacher Education. (2010). In 2010, served as a reviewer for paper proposals submitted for the ASTE 2011 International Conference.

Bedford/St. Martin's Press. (2011). Contracted by publisher to review the "College Success Handbook".

*Bulletin of Education and Research.* (2012 - present). Served as reviewer of manuscripts submitted to the journal.

Council for the Accreditation of Educator Preparation (CAEP). (2015-present). Appointment to the CAEP Volunteer Corps as a CAEP Assessment Reviewer. Serve as an EPP Assessment Team Leader.

Education 2013 Workshop on Education. (2013). Served as member of International Editorial Committee for conference in Korea.

European Association for Research on Learning and Instruction (EARLI). (2016-present).

SIG4: Higher Education Serve are reviewers for conference proposals.

*Global Research Journal of Education*. (2013-present). Serve as reviewer of manuscripts submitted to the journal.

Hawaii International Conference on Education. (2010). Served as session chair for the Education Technology session on January 9, 2010, during the conference.

Higher Learning Commission (June 2017– present). Selected as a member of the Peer Corps as a reviewer for the Higher Learning Commission. Completed Standard and Open Pathways Peer Review training. Selected as site reviewers in the Open Pathway Comprehensive Evaluation of the University of New Mexico in March 2019.

International Conference on Cognitive, Social, and Behavioral Sciences (icCSBs). (2015). Served as conference co-chair.

International Conference on Education and Educational Psychology. (2012-2015). Invited to chair the Learning Theories, Effective Teaching Practices, and Second Language Teaching thematic sections during the 2012 ICEEPSY Conference in Istanbul, Turkey and at the 2013 ICEEPSY Conference in Antalya, Turkey. Served as keynote speaker in 2014 and 2015.

International Conference on e-Learning. (2011-present). Serve as a program committee member. Responsible for circulating the call for papers and to review submissions for the conference.

International Educational Technology Conference. (2012-present) Serve as member of the editorial/advisory board. Responsible for circulating the call for papers and to review submissions for the conference.

*International Journal of Education and Learning*. (2011-present). Serve as reviewer of manuscripts submitted to the journal.

*International Journal of STEM Education*. (2013-present). Serve as reviewer of manuscripts submitted to the journal.

International Technology, Education, and Development Conference. (2014). Served as session chair during conference in Valencia, Spain.

*Journal of Pre-College Engineering Education Research.* (2011). Served as reviewer of manuscripts submitted to the journal.

*Journal of STEM Education.* (2010). Served as a reviewer of manuscripts submitted for publication in the journal.

*Journal of STEM Arts, Crafts, and Constructions.* (2016-present). Served as a reviewer of manuscripts submitted for publication in the journal. Serve as a member of the Editorial Board.

National Association of Research in Science Teaching. (2005-2012). Served on the national Program Committee, Strand 6: Science Learning in Informal Contexts: as Co-Chair (2011-2012). In 2012, served on the national Program Committee as Co-Chair and facilitator of the Virtual Presentation session. Served on national committee in 2010 to create a rubric for the evaluation of conference papers. Committee included Dr. Maria Maulucci, from Barnard University, Dr. Helen Meyer, from the University of California, Danielle Dani, from the University of Ohio. Presided over session “Strand 4: Science Teaching – Middle and High School (Grades 5-12: Characteristics and Strategies” at the 2009 NARST International Conference. Presided over a session entitled “Life after High School: How Informal Science Impacts STEMS Careers” at the 2011 NARST International Conference. Appointed by the NARST Program Committee to preside over session entitled “Professional development for educators: Identity development and learning in informal institutions” for Strand 6 at the 2012 NARST Conference. Serve as reviewer for conference papers (2006-2012).

National Qualification Authority, Abu Dhabi, UAE. (January 2015). Invited as subject expert reviewer during Technical Workshop on Teacher Licensing Standards in UAE.

National Science Foundation. (2014). Invited to serve as a panelist to review national grant proposals in the division of research on learning in formal and informal settings (DRL).

National Science Teachers Association. (2011). Appointed to a 3-year term on the national Committee on Research in Science Education. This committee promotes excellence and innovation in science teaching and learning.

*Online Journal of Distance Learning Administration.* (2014-present). Serve as reviewer of manuscripts submitted to the journal.

P-12 Engineering and Design Education Research Summit. (2010). Served as a member of the Peer Review Committee, which was responsible for reviewing papers submitted to the research summit.

Phi Kappa Phi National Honor Society. (2010-present). In 2010, appointed by society president, Dr. William Bloodworth, to serve on the national Marketing and Member Benefits

Committee. The two-year term ended December 2012. Served as a voting delegate to the national convention in 2010. Elected North Central Region Vice President in 2012; two year term ends June 2014. Responsible for all PKP chapters in a 10-state region. Duties include speaking at chapter initiation ceremonies, assisting in site visits for new chapters, assisting with chapter development, and conducting induction ceremonies for new chapter. Elected to national Board of Directors in 2012; two year term ends June 2014. Appointed by Diane Smathers, national PKP President, to the Chapter Criteria Task Force, which is charged to review and recommend changes to the Board in the petitioning criteria and process for new chapters.

*The Teacher Educator.* (2017-present). Serve as a reviewer of manuscripts submitted to the journal.

### **Service to the Public**

United Way Campaign Representative for Teachers College. (2016-present).

On the Road with the Cardinals. (2016-present). Participated in Ball State Wellness Program as part of a six-person team with goal of 420,000 steps during football season. Chaired a team from Teachers College, the Cardinal Striders, in 2017.

Walk Indiana. (2016). Participated in 10K as part of Ball State Wellness Program.

Cass Country Relay for Life (July 2013). Invited speaker at Survivors dinner.

NDSU Summer STEM Final Presentation Program. (July 2012 and 2013). Served as judge of student presentations.

Biking for Breast Cancer. (October 2011). Participated in the 12-hour event, held at the NDSU Wellness Center, to help raise money for breast cancer research.

Summer Undergraduate Research STEM Program. (July 2010). Served as judge of undergraduate STEM research projects.

Bison BEST Robotics. (2009-2012). Member of Executive Planning Committee. Served as guest speaker during workshops and judge coordinator during competitions.

North Dakota State Science and Engineering Fair. (April 2010). Served as judge during state competition.

FIRST Robotics Competition. (2003-2013). Served as chair of committee which hosted the 2012, 2011, and 2013 FIRST Robotics Kick-Off Event at NDSU. In 2013, over 200 students from 18 schools in North Dakota and Minnesota attended the Kick-Off event.

In 2009 and 2010 served as judge during regional competitions in Minneapolis and Kansas City. Founded FIRST Robotics teams at both Washington High School (2003-2006) and Shawnee Mission South High School (2006-2008).

Evaluation Study Review Panel. (2008-2009). Invited to serve as a professional consultant as part of an evaluation study review panel to select an evaluation firm to conduct a longitudinal study for FIRST Robotics, based in Manchester, NH.

Greater Kansas City FIRST Regional Competition Regional Planning Committee. (2004-2008). Member of regional planning committee, serve as special events committee chairperson for 2008 Greater Kansas City Regional Competition.

Raider Revolution Robotics. (2006-2008). Shawnee Mission High School. Founding member and current coach of competitive robotics team participating in the FIRST Robotics Competition.

Small Learning Community Coordinator. (2003-2004). Served as coordinator for group of twenty teachers at Washington High School, Kansas City, KS.

### **SERVICE AWARDS & DISTINCTIONS**

- Recognition of Appreciation for Service on By-Laws Committee, May 2014.
- Recipient of the Council of State Employees (COSE) STAR Award, October 2013
- Recipient of the Residence Life Faculty “Of the Month” award by the National Residence Hall Honorary. Nominated by Bryn Halley for Weible Hall, NDSU.
- Recipient of Green and Golden Globe Diversity Award, presented by the NDSU Division of Equity, Diversity and Global Outreach, Office of International Programs, April 2013.
- Recipient of a Campus Kudos Award, presented by the NDSU Staff Senate, April 2013.
- Recipient of the NDSU Residence Life Faculty Member of the Year Award, April 2010.
- Recipient of the February 2010 Advisor of the Month Award presented by the Bison Chapter of the National Residence Hall Honorary.
- Recipient of NDSU Spotlight Faculty Member of the Month, presented by the Bison Chapter of the National Residence Hall Honorary, September 2008.



## **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

American Associate of College for Teacher Education (AACTE) and the Indiana chapter

Topic Action Groups: Internationalization of Teacher Education

High Quality Online Teaching and Learning

Women in the Deanship

American Association of University Women (AAUW)

President Elect (2017-2018)

American Educational Research Association (AERA)

Division A: Administration, Organization & Leadership

Division D: Measurement and Research Methodology

Division H: Research, Evaluation, and Assessment in Schools

Division K: Teaching and Teacher Education

Sig 35: Online Teaching and Learning

Sig 54: International Studies

Sig 66: Mentorship and Mentoring Practices

Association for the Study of Higher Education (ASHE)

European Association for Research on Learning and Instruction (EARLI)

SIG4: Higher Education

National Council on Measurement in Education (NCME)

Phi Kappa Phi National Honor Society (PKP)

## **MEMBERSHIP IN COMMUNITY/ALUMNI ORGANIZATIONS**

Ball State Women's Club

University of Kansas Alumni Association

University of Kansas HAWK Ambassador