

I. Name: Alex Preston Byrd

II. Rank: Assistant Professor

III. Department/School: Agricultural and Environmental Sciences

IV. Earned Degrees:

Ph.D., Iowa State University, 2014, Agricultural Education and Studies

M.S., Virginia Polytechnic institute and State University, 2011, Agricultural Sciences

B.S., Virginia Polytechnic institute and State University, 2004, Agricultural Education

A.S., Wytheville Community College, 2001, Associates of Science: Education

V. Other Relevant Employment (list most recent first):

2011-2014: Teaching/Research Assistant, Iowa State University

2004-2010: Agricultural Educator, Floyd County Public Schools

VI. Description of Current Duties

- Instructor of undergraduate courses in agriculture education and agricultural mechanization/STEM related courses
- Instructor of Graduate courses
- Instructor of Summer courses
- Advisor of Clemson University Collegiate FFA (CCFFA)
  - Advise CCFFA officers
  - Coordinate officer team building workshop
  - Oversee CCFFA financial accounts
- Liaison to the Clemson University School of Education (2014-2016)
  - Work with the School of Education to implement new requirements into the AGED curriculum
  - Help coordinate the updating of the Agriculture Education student teaching handbook
  - Help with the completion of state reports for Agriculture Education

VII. Distribution of Effort for Past Five (5) years:

2014-2015: Teaching (75%), Research (15%), Service (10%)

2015-2016: Teaching (70%), Research (20%), Service (10%)

2016-2017: Teaching (50%), Research (50%)

2017-2019: Teaching (50%), Research (50%)

## XI. Teaching Activities

### A. Courses taught, dates taught, and enrollment - Clemson University

- a. AGED 2030: Teaching Agriscience, (Sp 2015), 16
- b. AGED 2031: Teaching Agriscience Lab, (Sp 2015), 16
- c. AGED 3020: Junior Seminar – CDE preparation, (F 2015, Sp 17), 2015 – 9, 2017 - 11
- d. AGED 3030: Mechanical Technology in Agriculture Education, (F 2015-present), 2015 – 22, 2016 – 18, 2017 - 13
- e. AGED 3031: Mechanical Technology in Agriculture Education Lab, (F 2015 present), 2015 – 22, 2016 – 18, 2017 - 13
- f. AGED 3650: Multiculturalism in Agriculture, (F 14,15,16), 2014 – 16, 2015 – 24, 2016 - 30
- g. AGED 4030: Adult and Extension Education (F17,18), 2017 – 16, 2018 - 14
- h. AGED 4060: Directed Teaching, (Sp 2015,16,17,F17), 2015 – 4, 2016 – 3, 2017 – 1, F2017 - 1
- i. AGED 4280: Special Topics, (Sp, F 2015), 1
- j. AGED 4281: Special Topics Lab, (F 2015), 1
- k. AGED 6030: Adult and Extension Education (F17,18), 2017 – 13, 2018 – 8
- l. AGED 6280: Special Studies, (SS 2015), 1
- m. AGED 7500: Special Institute Course: Selected topics in Agriculture Education, (F 2015,16,17), 2015 – 4, 2016 – 4, 2017 - 5
- n. AGED 8040: Special Problems, (F 2015, 16,17), 2015 – 1, 2016 – 5, 2017 - 3
- o. AGED 8041: Special Problems Lab, (F 2015, 16,17), 2015 – 1, 2016 – 5, 2017 - 3
- p. AGED 8100: Clinical Research in Agriculture Education, (SS 2015, Sp16,SS17), 2015 – 1, 2016 – 2, 2017 - 1
- q. AGED 8150: Teaching Agriculture and Power Mechanics, (F 2015), 1
- r. AGED 8151: Teaching Agriculture and Power Mechanics Lab, (F 2015), 1
- s. AGED 8890: Research in Education, (Sp 2015,16,17,18, 19), 2015 – 7, 2016 – 9, 2017 – 19, 2018 – 6, 2019 – 10

### B. Courses taught, dates taught, and enrollment – Iowa State University

- a. AGEDS 311: Agricultural Presentation & Sales Strategies, (F 2012), 25
- b. AGEDS 388: Agricultural Mechanics Applications, (SS 2012-2014), 20
- c. AGEDS 488: Methods of Teaching Agricultural Mechanics (F 2011-2012), 16

- C. Courses taught, dates taught, and enrollment – Floyd County High School
  - a. Agriculture I: Agricultural Mechanics and Basic Plant Life
  - b. Agriculture II: Agricultural Mechanics and Basic Animal Science
  - c. Agriculture III: Agricultural Production Technology
  - d. Agriculture IV: Agricultural Production Management
  - e. Agriculture V: Operating the Farm Business
  - f. Horticulture Sciences
  - g. Building Trades I – co-taught



<b>Evaluation Criteria</b>	AGED 3030 F16	AGED 3031 F16	AGED 3650 F16	AGED 8040 F16	AGED 3020 SP17	AGED 4060 SP17	AGED 8890 SP17	AGED 3030 F17	AGED 4030 F17	AGED 8890 SP18
Course Objectives (clear, understandable)	4.50	4.40	4.53	4.00	5.00	5.00	4.37	4.14	4.57	4.33
Relevance of Course Material	4.33	4.20	4.47	5.00	5.00	5.00	4.11	4.29	4.57	4.33
Course Organized (planned)	4.17	4.40	4.29	5.00	5.00	4.00	4.26	3.71	4.14	4.33
Positive Interaction	4.50	4.60	4.88	5.00	5.00	5.00	4.79	4.43	4.57	4.83
Appropriate Teaching Methods	4.00	4.20	4.59	3.50	5.00	5.00	3.78	4.14	4.29	4.17
Instructor has good verbal communication	4.17	4.20	4.63	3.50	5.00	4.00	3.95	4.43	4.29	4.17
Explained Assignments and Tests	4.00	4.20	4.35	4.00	5.00	4.00	4.26	4.14	4.14	3.67
Informed of progress in course	4.33	4.40	4.35	4.00	5.00	5.00	4.74	3.71	3.83	4.67
Received feedback on assignments and tests	4.33	4.20	4.47	4.50	5.00	5.00	4.53	3.86	4.14	4.33
Instructor is an effective teacher	4.50	4.60	4.59	4.00	5.00	5.00	4.42	4.00	4.43	4.50
Grading procedures fair	4.50	4.40	4.82	4.50	5.00	5.00	4.68	4.00	4.43	4.00
Effort needed for this course	3.67	3.80	4.06	4.50	4.00	5.00	3.90	3.86	3.43	3.50
Difficulty of the course	3.20	3.60	3.06	3.50	3.25	5.00	3.53	3.57	3.00	3.33
Was this course a requirement	4.50	4.40	5.00	4.50	3.00	5.00	4.83	4.86	5.00	4.67
<b>Overall instructor evaluation</b>	<b>4.19</b>	<b>4.26</b>	<b>4.44</b>	<b>4.25</b>	<b>4.66</b>	<b>4.78</b>	<b>4.29</b>	<b>4.08</b>	<b>4.20</b>	<b>4.20</b>
<i>Overall departmental instructor evaluation</i>	<i>4.39</i>	<i>4.29</i>	<i>4.27</i>	<i>4.29</i>	<i>4.27</i>	<i>4.29</i>	<i>4.30</i>	<i>4.30</i>	<i>4.02</i>	<i>4.14</i>

<b>Evaluation Criteria</b>	<b>AGED 3030 F18</b>	<b>AGED 4030 F18</b>	<b>AGED 6030 F18</b>	<b>AGED 7500 F18</b>						
Course Objectives (clear, understandable)	3.40	4.22	5.00	5.00						
Relevance of Course Material	4.00	4.22	4.75	5.00						
Course Organized (planned)	3.40	4.22	5.00	5.00						
Positive Interaction	4.80	4.44	5.00	5.00						
Appropriate Teaching Methods	3.20	4.11	4.75	5.00						
Instructor has good verbal communication	3.00	4.33	4.75	5.00						
Explained Assignments and Tests	2.75	4.00	5.00	5.00						
Informed of progress in course	3.60	4.33	4.75	5.00						
Received feedback on assignments and tests	3.20	4.22	4.50	5.00						
Instructor is an effective teacher	3.00	4.56	5.00	5.00						
Grading procedures fair	3.00	4.33	5.00	5.00						
Effort needed for this course	3.20	4.00	3.50	5.00						
Difficulty of the course	3.80	3.78	3.25	5.00						
Was this course a requirement	5.00	5.00	5.00	5.00						
<b>Overall instructor evaluation</b>	<b>3.41</b>	<b>4.21</b>	<b>4.63</b>	<b>5.00</b>						
<i>Overall departmental instructor evaluation</i>	<i>3.10</i>	<i>4.64</i>	<i>4.46</i>	<i>n/a</i>						

## E. Course design and development

- a. Designed/Redesigned the following courses - Clemson University
  - i. AGED 4030: Principles of Adult/Extension Education (2017)
  - ii. AGED 3020: Junior Seminar (2016)
  - iii. AGED 8890: Research in Education (2015)
  - iv. AGED 3030: Mechanical Technology in Agriculture Education (2015)
  - v. AGED 3031: Mechanical Technology in Agriculture Education Lab (2015)
  - vi. AGED 2030: Teaching Agriscience (2015)
  - vii. AGED 2031: Teaching Agriscience Lab (2015)
  - viii. AGED 3650: Multiculturalism in Agriculture (2014)
- b. Designed/Redesigned the following courses – Iowa State University
  - i. AGEDS 311: Agricultural Presentation & Sales Strategies
  - ii. AGEDS 388: Agricultural Mechanics Applications
  - iii. AGEDS 488: Methods of Teaching Agricultural Mechanics
- c. Designed/Redesigned the following courses – Floyd County High School, VA
  - i. Agriculture I: Agricultural Mechanics and Basic Plant Life
  - ii. Agriculture II: Agricultural Mechanics and Basic Animal Science
  - iii. Agriculture III: Agricultural Production Technology
  - iv. Agriculture IV: Agricultural Production Management
  - v. Agriculture V: Operating the Farm Business
  - vi. Horticulture Sciences

## C. Advising

1. Undergraduates (major, number each year, noteworthy accomplishments)

AGED: Teaching– ~ 25/year; Leadership - ~8;

2. Master graduates (student's name, degree designation; thesis/project title, graduation month & date)

- Mallory Dailey, (Master's in Agricultural Education – non-thesis option; Project Title: Junior Naturalist Program Curriculum, August 2015, committee member.
- Casey Ann Attaway, (Master's in Agricultural Education – non-thesis option; Project titled: Analysis, Alignment and Integration of the South Carolina Master Naturalist Program Curriculum into South Carolina State Educational Standards, August 2015, committee member.
- James Thackston, (Master's in Agricultural Education – non-thesis option; Project titled: Effects of teaching a required agricultural mechanics unit during student teaching on self-efficacy and self-confidence of student teachers, May 2016, committee chair.

- Elizabeth Canupp, (Master's in Agricultural Education – non-thesis option), Project title: "Intended Outcomes of Intentional Programming at Southeast FFA Camps," Graduated May 2016, committee member.
- Erika Pisik, (Master's in Agricultural Education – non-thesis option), AGED Program requirements of land-grant institution in the U.S. August 2016, committee member.
- Lynn Adcox, (Master's in Agricultural Education – non-thesis option), Project title: "An Assessment of the South Carolina Department of Social Services Food Safety Training Delivered to Child Care Providers," Graduated August 2016, committee member.
- Michelle Holly, (Master's in Agricultural Education – non-thesis option), Project title: "Interactive Multimedia Presentations in the Ag Ed Classroom" Graduated May 2017, committee member.
- Dawson, Raleigh, (Master's in Agricultural Education – non-thesis option), Project title: An Assessment of Beef Industry Stakeholders' Perceptions of Youth Content Skills Needed for Career Success: A National Delphi Study, Graduated May 2018, committee member.
- Tessa Deenen, (Master's in Agricultural Education – non-thesis option), Project title: Effect of hospital healing gardens on hospital employees, May 2018, committee member.
- Kailee Morris, (Master's in Agricultural Education – non-thesis option), Project title: Differentiation in entry level agricultural education classes and teacher professional development, May 2018, committee member.
- Jordan Breland, (Master's in Agricultural Education – non-thesis option), Project title: The effectiveness of instructional videos in a college-level fabrication course, May 2018, committee member.
- John Huff, (Master's in Agricultural Education – non-thesis option), Project title: "Students with Disabilities in South Carolina Agriculture Classrooms" Graduated May 2018, committee member.
- Stephanie Johnson (Master's in Agricultural Education – non-thesis option), Project title: Perceptions of marketing via social media among South Carolina agritourism leaders, May 2018, committee member.
- Curtis Berry, Master's in AGED, Evaluation of a Required Unit of Agricultural Mechanics Unit on Preservice Teachers Perceived Self-Confidence and Self-Efficacy to teach, May 2018, committee Chair.
- Megan Chicos, (Master's in Agricultural Education – non-thesis option), Project titled: Livestock Exhibition and Youth Life Skill Development, August 2018, committee member.
- Sara Webb, (Master's in Agricultural Education – non-thesis option), Project title: Assessing institutional knowledge of available services for early intervention and prevention of psychological distress in farmers and willingness to participate in future efforts to aid farmers, August 2018, committee member
- Ashley Granata, Master's in AGED, ,August 2018 committee member



- Mitchell, Travis, (Master's in Agricultural Education — non-thesis option), Project title: Youth Leadership Life Skills of South Carolina 4-H Livestock Exhibitors – project share with Brittany Peacock, Graduated December 2018, committee member
- Peacock, Brittany, (Master's in Agricultural Education — non-thesis option), Project title: Youth Leadership Life Skills of South Carolina 4-H Livestock Exhibitors – project share with Travis Mitchell, Graduated December 2018 committee member
- Melanie Glover, (Master's in Agricultural Education — non-thesis option), Factors Influencing a Career Teaching Secondary Agriculture without Prior Experience in Secondary Agricultural Education; December 2018, committee member

3. Doctoral graduates (student's name, dissertation title, graduation month & year)

4. Current graduate advising (names, degree sought, dissertation/thesis topic, expected graduation month/year).

- Harrison Browder, Master's in AGED; Chair;
- Kathryn Grant, Master's in AGED; committee member
- Kayla Jackson, Master's in AGED; committee member
- Nancy McCannon, Master's in AGED; committee member
- McCauley Frierson, Master's in AGED; Chair;
- Nikole Saylers, Master's in AGED; Chair
- Lauren Durham, Master's in AGED; committee member.
- Jeremy Mosier, Master's in AGED; Chair
- Joshua Caughman, Master's in AGED; committee member.

5. Post doctoral research advisees (name, project title, dates)

6. Graduate committees (student name, degree and level of involvement)

7. Student clubs (name, size, level of involvement)

- Clemson Collegiate FFA Chapter, approximately 80 members, Advisor
- Iowa State University Antique Tractor Club, approximately 40 members, Graduate Student Advisor

## XII. Sponsored Research Projects

A. Funded Projects – start/end date, funding agency, title, and amount (list most recent first)

1. Byrd, A. P. (2016-2021), Sponsored by University of Kentucky;  
Evaluation of Student Made CROPS Systems Utilizing Ultrasonic Testing

in Rural Appalachian Schools; Total amount awarded - \$75,000;  
\$15,000/year for five years. Percent share: 100%

B. Projects not funded (list most recent first)

1. Byrd, A. P. (2019), Sponsored by Southeast Center for Agricultural Health and Injury Prevention (SCAHIP); Integration of Back-up Beepers on Lawn Mowers and Tractors into High School Agricultural Education Classes in three rural South Carolina Counties; Amount requested: \$17,000. Percent share: 100%
2. Byrd, A. P. (2016), Sponsored by Southeast Center for Agricultural Health and Injury Prevention (SCAHIP); Noise Exposure in an Agricultural Mechanics Laboratory while Students are Welding; Amount requested: \$12,000. Percent share: 100%
3. January 2015 – June 2017, Effects of teaching a required agricultural mechanics unit during student teaching on self-efficacy and self-confidence of student teachers.
4. August 2015 – July 2017, Effects of Virtual Reality Training Methods and Dexterity in a Weld Training Program.

C. Clemson University Internal Limited Pre-Proposal Submissions

1. Byrd, A.P., Layfield, K.D., & Anderson, R.G. (Submitted July 27, 2018). Sponsored by NSF – Advancing Informal STEM Learning (AISL). Engineering for Water Conservation: Modeling and Evaluating an Informal Adult Science and Engineering Education Program; Amount requested: \$250,000 (Being revised for resubmission)
2. Byrd, A.P., Layfield, K.D., & Anderson, R.G. (Submitted July 27, 2018). Sponsored by NSF – Advancing Informal STEM Learning (AISL).; Fabricating the Future: Metal Fabrication for the Do-It-Yourselfer; Amount requested: \$300,000 (Being revised for resubmission)

D. Proposals being composed for Submission

1. Byrd, A.P., Layfield, K.D., Dobbins, T., & Green, S. (anticipated submission for May 2019). Higher Education Challenge Grant sponsored by USDA NIFA. From Boots to Roots: A multi-dimensional agricultural training and mentoring program for veterans. Amount Requested: \$300,000.

XIII. Scholarship Record

A. Publications (list most recent first)

1. Refereed journal article citations

- a. Vincent, S. K., Mazur, J. M., Summey, T. E., Namkoong, K., & Byrd, A. P. (2019). An Evaluation of Behavioral Intent in Appalachian Youth Participating in CROPS Curriculum. *Journal of Agricultural Safety and Health*, 25, 25-36. doi: 10.13031/jash.12810.
- b. Byrd, A. P., Stone, R. T., & Anderson, R. G. (2018). Dexterity: An Indicator of Future Performance in Beginning Welders. *Career and Technical Education Research*, 43(2), 195-212. doi: 10.5328/cter43.2.195
- c. Byrd, A. P., Stone, R. T., Anderson, R. G., & Woltjer, K. (2015). The Use of Virtual Welding Simulators to Evaluate Experienced Welders. *Welding Journal*, 94(12), 389S-395S.
- d. Byrd, A. P., Anderson, R. G., & Paulsen T. H. (2015). Does Agricultural Mechanics Laboratory Size Affect Agricultural Education Teachers' Job Satisfaction? *Journal of Agricultural Education*. 56(1), 6-19. doi: 10.5032/jae.2015.01006
- e. Byrd, A. P., Anderson, R. G., & Paulsen T. H. (2015). Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence? *Journal of Agricultural Education*. 56(1), 20-31. doi: 10.5032/jae.2015.01020

## 2. Articles submitted for peer review –

- a. Austin, A. L., Vincent, S. K., Byrd, A. P., Mazur, J., & Namkoong, K. (In Review). Examination of Gained Knowledge Through the Theory of Youth and Adult Partnership. *Journal of Agricultural Education*.
- b. Byrd, A. P., Saucier, P. R., & Anderson, R. G. (In Review). Laboratory Management Needs of Iowa School-Based Agricultural Mechanics Teachers. *Career and Technical Education Research Journal*.
- c. Byrd, P., Anderson, R. & Saucier, R. (In Review). Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students. *Career and Technical Education Research Journal*.
- d. Anderson, K., Anderson, R., & Byrd, A. P. (In Review). Effects of a Professional Development Session on Career and Technical Education Teachers' Perceptions of Importance, Competence, Curriculum Availability, and Ability to Teach Two-Stroke Engine Theory and Safety: A Preliminary Study. *Career and Technical Education Research Journal*.
- e. Anderson, K., Anderson, R. G., & Byrd, P. (In Review). Career and technical education teachers' post-secondary training and professional development interests related to the teaching and

- learning of two-stroke engines content: A preliminary study. *Career and Technical Education Research Journal*.
- f. Byrd, A. P., Stone, R. T., & Anderson, R. G. (In Review). Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations. *Career and Technical Education Research Journal*.
  - g. Berry, C. H., Thackston, J. A., & Byrd, A. P. (In Review). Evaluating Self-efficacy of Pre-service Teachers to Teach a Required Unit of Agricultural Mechanics. *Journal of Agricultural Education*.
  - h. Byrd, A. P., Vincent, S. K., Mazur, J., Namkoong, K. (In Progress). Evaluation of High School Students Ability to Fabricate CROPS to Industry Standards. *Journal of Agricultural Education*.
  - i. Haynes, J.C., Anderson, R., Byrd, P., & Gill, B. (In Progress). Utilizing a Delphi Study to Establish The Teaching Resources Needed For an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory. *Journal of Agricultural Education*.
  - j. Byrd, A., Anderson, R., & Paulsen, T. (In Progress). Gender Influences in Agricultural Education Teachers Competence to Teach Agricultural Mechanics. *Journal of Agricultural Education*.
  - k. Browder, H., & Byrd, A. P. (In Progress). The Effectiveness of a Pecan Management Workshop for Growers. *Journal of Southern Agricultural Education Research*.

### 3.Chapters and Books - no information available

### 4.Peer reviewed proceedings and abstracts

- a. Deneen, T., Layfield, D., Vincent, E. & Byrd, P. (2019). The Impact of Healing Gardens on Medical Professionals in Healthcare Facilities. Poster abstract accepted for presentation at the 65th Annual Conference of North American Colleges and Teachers of Agriculture Conference, Twin Falls, ID.
- b. Chicos, M., Layfield, D., Byrd, P., & Kleman, R. (2019). Extension Agents' Perceptions on Youth Life Skills Development via Livestock Exhibition. Poster abstract accepted for presentation at the 65th Annual Conference of North American Colleges and Teachers of Agriculture Conference, Twin Falls, ID.
- c. Fox, S., Layfield, D., Byrd, P. & Massey, H. (2019). "Perceptions of Marketing via Social Media among South Carolina

- Agritourism Managers." Poster abstract accepted for presentation at the 65th Annual Conference of North American Colleges and Teachers of Agriculture Conference, Twin Falls, ID.
- d. Webb, S., Lamie, D., Layfield, D., & Byrd, P. (2019). Assessing Availability of Early Intervention and Suicide Prevention Resources for Farmers. Paper presentation at the 65th Annual Conference of North American Colleges and Teachers of Agriculture Conference, Twin Falls, ID.
  - e. Byrd, A. P., Vincent, S., Mazur, J., & Namkoong, K. (2018). Utilizing ultrasonic testing to evaluate constructed cost-effective ROPS created by secondary agricultural education students. Paper presented at the International Society of Agricultural Safety and Health. Halifax, Nova Scotia.
  - f. Byrd, A. P., Saucier, P. R., & Anderson, R. G. (2018). Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers. Paper presented at the American Association for Agricultural Education Research Conference, Charleston, SC.
  - g. Byrd, A. P., Saucier, R., & Anderson R. G. (2018). Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students. Poster presented at the American Association for Agricultural Education Research Conference, Charleston, SC.
  - h. Byrd, A. P., Vincent, S., Mazur, J., & Namkoong, K. (2018). A multi-state evaluation of secondary agricultural education students' performance on industry-based standards. Paper presented at the Southern Region of the American Association for Agricultural Education Conference, Jacksonville, FL
  - i. Byrd, A. P., Saucier, P. R., & Anderson, R. G. (2018). Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers. Paper presented at the Southern Region of the American Association for Agricultural Education Conference, Jacksonville, FL
  - j. Wells, T., Byrd, A. P., & Anderson, R. (2017). Aligning with industry: Using virtual reality technology to provide psychomotor skill development and assessment in a post-secondary setting. Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.
  - k. Byrd, A. P., Saucier, R., & Anderson R. G. (2017). Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students. Poster presented at the National Agricultural Mechanics

Professional Development Blue Ribbon Papers Presentation  
Conference, Indianapolis, IN.

- l. Berry, C. H., & Byrd, A. P. (2017). Second year evaluation of the impact of a required agricultural mechanics unit of instruction on pre-service teachers and their students. Poster presented at the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.
- m. Saucier, R. Anderson, R., & Byrd, A. P. (2017). Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers. Poster presented at the North Central Region of the American Association for Agricultural Education Research Conference. Ames, IA.
- n. Byrd, A. P., Saucier, R., & Anderson R. G. (2017). Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students. Poster presented at the North Central Region of the American Association for Agricultural Education Research Conference. Ames, IA.
- o. Byrd, A. P., Vincent, S. K., & Mazur, J. M. (2017). Discovering what lies beneath: Utilizing ultrasonic testing for the evaluation of welds in secondary schools. Poster presented at the American Association for Agricultural Education Research Conference, San Luis Obispo, CA.
- p. Byrd, A. P., Vincent, S. K., & Mazur, J. (2017). Utilizing Industry Standards to Assess Secondary Agricultural Education Students. Poster presented at the American Association for Agricultural Education Research Conference, San Luis Obispo, CA.
- q. Summey, T., Namkoong, K., Vincent, S. K., Mazur, J., & Byrd, A. P. (2017). Exploring the Role of Agricultural Education and Curriculum in Behavioral Change Among Youth in Appalachia. Presented at the American Association for Agricultural Education Research Conference, San Luis Obispo, CA.
- r. Leer, A., Vincent, S. K., Mazur, J., Namkoong, K., Tingle, A. K., & Byrd, A. P. (2017). Youth-Adult Partnerships: A Tool for Youth Engagement in Tractor Rollover Safety Curriculum. Presented at the 2017 International Society for Agricultural Safety and Health Annual Research Conference, Logan, UT.
- s. Summey, T., Namkoong, K., Vincent, S. K., Mazur, J., & Byrd, A. P. (2017). Evaluating the Behavioral Change Among Appalachian Youth Regarding Tractor Rollover and Farm Injury Prevention. Presented at the 2017 International Society for Agricultural Safety and Health Annual Research Conference, Logan, UT.

- t. Byrd, A. P., Vincent, S. K., Mazur, J., & Namkoong, K. (2017). Evaluation of Secondary Agricultural Education Student Constructed Cost-effective RollOver Protective Structures (CROPS). Presented at the 2017 International Society for Agricultural Safety and Health Annual Research Conference, Logan, UT.
- u. Tingle, A. K., Vincent, S. K., Namkoong, K., Mazur, J., & Byrd, A. P. (2017). An Exploration of Behavioral Change Through an Educational Intervention. Paper presented at the Southern Region of the American Association for Agricultural Education Conference, Mobile, AL.
- v. Tingle, A. K., Vincent, S. K., Mazur, J., Namkoong, K., & Byrd, A. P. (2017). An Exploration of Behavioral Change Through an Educational Intervention. Poster presented at the Southern Region of the American Association for Agricultural Education Conference, Mobile, AL.
- w. Byrd, A. P., Vincent, S. K., & Mazur, J. M. (2016). Discovering what lies beneath: Utilizing ultrasonic testing for the evaluation of welds in secondary schools. Poster presented at the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.
- x. Dailey, M. K., Dobbins, T. R., Leard, C. M., & Byrd, A. P. (2016). Development of a Junior Naturalist Curriculum Applicable to all Biogeographical Regions of South Carolina. Poster presented at North American Colleges and Teachers of Agriculture Conference, Manoa, HI.
- y. Frutchey, R., Anderson, R. G., Paulsen, T. H., & Byrd, A. P. (2016). Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers. Paper presented at North American Colleges and Teachers of Agriculture Conference, Manoa, HI.
- z. Byrd, A. P., Anderson, R. G., & Saucier, P. R. (2016). Secondary Agricultural Education Student Injuries and Other Accidents Sustained In An Agricultural Mechanics Laboratory. Poster presented at North American Colleges and Teachers of Agriculture Conference, Manoa, HI.
- za. Saucier, P. R., Byrd, A. P., & Anderson, R. G. (2016). Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers. Poster presented at North American Colleges and Teachers of Agriculture Conference, Manoa, HI.

- bb. Thackston, J., & Byrd, A. P. (2016). Evaluating the Impact of a Required Agricultural Mechanics Unit of Instruction on Pre-Service Teachers. Poster presented at North American Colleges and Teachers of Agriculture Conference, Manoa, HI.
- cc. Thackston, J., & Byrd, A. P. (2016). Evaluating the Impact of a Required Agricultural Mechanics Unit of Instruction on Pre-Service Teachers. Poster presented at Southern Region of the American Association for Agricultural Education Conference, San Antonio, TX.
- dd. Byrd, A. P., Vincent, S., & Mazur, J. (2016). Discovering What Lies Beneath: Utilizing Ultrasonic Testing for the Evaluation of Welds in Secondary Schools. Poster presented at Southern Region of the American Association for Agricultural Education Conference, San Antonio, TX.
- ee. Byrd, A. P., & Anderson, R. G. (2016). Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agriculture Teachers. Poster presented at Southern Region of the American Association for Agricultural Education Conference, San Antonio, TX.
- ff. Byrd, A., Stone, R., & Anderson, R. (2015). Dexterity: An Indicator of Future Performance in Beginning Welders? American Association for Agricultural Education Conference, San Antonio, TX.
- gg. Byrd, A., Stone, R., & Anderson, R. (2015). The Effect of Virtual Reality Simulation on Anxiety in a Welding Training Program. American Association for Agricultural Education Conference, San Antonio, TX.
- hh. Byrd, A., Stone, R., & Anderson, R. (2014). Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations. Association for Career and Technical Education Research and Professional Development Conference, Nashville, TN.
- ii. Byrd, A., Stone, R., & Anderson, R. (2014). Dexterity: An Indicator of Future Performance in Beginning Welders? Association for Career and Technical Education Research and Professional Development Conference, Nashville, TN.
- jj. Byrd, A., Stone, R., & Anderson, R. (2014). The Effect of Virtual Reality Simulation on Anxiety in a Welding Training Program. National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY. 3rd Place – Distinguished Research Manuscript
- kk. Byrd, A., Stone, R., & Anderson, R. (2014). Using Dexterity to Determine Trainability in Selecting Participants for Welding Programs. National Agricultural Mechanics Contest Blue Ribbon



Presentation. Louisville, KY. 2nd Place – Distinguished Research Manuscript

- ll. Byrd, A., Stone, R., & Anderson, R. (2014). The Use of Virtual Welding Simulators to Evaluate Experienced Welders. North Central American Association for Agricultural Education Conference, Morgantown, WV. 2nd Runner-up Outstanding Paper Presentation.
- mm. Stremsterfer, E., Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Teacher Perceptions of Appropriateness of Agricultural Mechanics Concepts taught in Secondary Agricultural Education Programs. North Central American Association for Agricultural Education Conference, Morgantown, WV.
- nn. Byrd, A., Stone, R., & Anderson, R. (2014). Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations. Western Region American Association for Agricultural Education Conference, Kona, HI. Distinguished Manuscript Award.
- oo. Byrd, A., Stone, R., & Anderson, R. (2014). Dexterity: An Indicator of Future Performance in Beginning Welders? Western Region American Association for Agricultural Education Conference, Kona, HI.
- pp. Byrd, A., Shultz, M., Anderson, R., & Paulsen, T. (2013). Is There a Correlation Between Agricultural Mechanics Laboratory Size and Agricultural Education Teachers' Job Satisfaction and Enjoyment? National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY.

5. Other scholarly publications (abstracts, invited reviews, etc.) - no information available

- a. Byrd, A., Anderson, R., & Wells, T. (2018). Using Interactive Gaming to Introduce Students to Gas Tungsten Arc Welding (GTAW). NACTA Journal Teaching Tips/Notes. NACTA Journal 62(4).
- b. Byrd, P., & Anderson, R. (In Press) Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agricultural Education Teachers. NACTA Journal Teaching Tips/Notes.
- c. Byrd, P. & Anderson, R. (In Press). Green welding...utilizing the VRTEX 360 to reduce our carbon footprint. NACTA Journal Teaching Tips/Notes.
- d. Byrd, P. & Anderson, R. (In Press). Integrating Virtual Reality to Reduce Anxiety in Beginning Welders. NACTA Journal Teaching Tips/Notes.

- e. Byrd, P., Shultz, M., Perry, D., & Anderson, R. (In Press). Big Brother is Watching...Utilizing Split-Screen Technology to Enhance Teacher Efficacy. NACTA Journal Teaching Tips/Notes.
- f. Byrd, A., Stone, R., & Anderson, R. (In Press). Can Dexterity Predict Future Performance of Novice Welders? NACTA Journal Teaching Tips/Notes.
- g. Perry, D., Byrd, P., Shultz, M., & Anderson, R. (In Press). The Sixth Sense: Developing an Agricultural Mechanics Laboratory Awareness. NACTA Journal Teaching Tips/Notes.
- h. Shultz, M., Perry, D., Byrd, P., & Anderson, R. (In Press). Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment. NACTA Journal Teaching Tips/Notes.

6.Trade journal, magazine articles, and newspaper - no information available

B. Oral Presentations (list only those not listed under publications)

1.Invited lectures/seminars - no information available

- a. Byrd, P. (April, 2017). Using Parliamentary Procedure. Clemson, SC. Zigma Alpha Sorority Chapter Meeting.
- b. Byrd, P. (February, 2016). Introduction to Parliamentary Procedure. Simpsonville, SC. Byrson Middle School 8<sup>th</sup> Grade Agricultural Education Class.

2.Invited presentations at international/national/regional professional meetings - no information available

3.Submitted presentations - no information available

4.Technical society presentations - no information available

5.Extension training programs, short courses, workshops and presentations

- a. Byrd, P. (July, 2018). Small Engines Industry Certification for secondary students. Rock Hill, SC. South Carolina Association for Agricultural Education Teachers' Conference.
- b. Byrd, P. (July, 2018). Small Engines 3-day Workshop for Agricultural Education Teachers. Clemson, SC.
- c. Byrd, P. (February, 2018). Woodworking Basics. Fort Defiance, VA. Virginia Association for Agricultural Education Teachers' Winter Inservice
- d. Byrd, P. (February, 2018). Welding Basics. Fort Defiance, VA. Virginia Association for Agricultural Education Teachers' Winter Inservice
- e. Byrd, P. (July, 2017). Laboratory Management. Virginia Association for Agricultural Educators Teachers' Conference.

- f. Byrd, P. (March, 2017). Advanced Welding. Clemson, SC. Beginning Teachers Workshop.
- g. Byrd, P. (January, 2017). Welding 101. Staunton, VA. Virginia Association for Agricultural Education Teachers' Winter Inservice
- h. Byrd, P. (January, 2017). Woodworking Basics. Staunton, VA. Virginia Association for Agricultural Education Teachers' Winter Inservice.
- i. Byrd, P. (June, 2016). Briggs & Stratton Small Engines for beginners. Clemson, SC.
- j. Byrd, P. (March, 2016). Woodworking: Adirondack chairs. Clemson, SC
- k. Byrd, P. (July 2015). Laboratory Management Workshop. Woodstock, VA. Virginia Association for Agricultural Education Teachers' Conference.
- l. Byrd, P., & Millar, B. (July, 2015). Cooperating Teacher Training. Clemson, SC. South Carolina Association for Agricultural Education Teachers' Conference.
- m. Byrd, P., & Layfield, K. (June, 2015). Hosting a student teacher. Greenville, SC. Education and Business Summit.
- n. Byrd, P. (March, 2015). Educational Resources for Agricultural Education Teachers. Clemson, SC. Beginning Teachers Workshop
- o. Byrd, P. (Dec, 2014). Laboratory Management Workshop. Staunton, VA. Virginia Association for Agricultural Education Teachers Winter Inservice.
- p. Byrd, P. (Dec, 2014). Electricity 101 Workshop. Staunton, VA. Virginia Ag Ed Winter Inservice.
- q. Byrd, P. (June, 2014). Welding Bootcamp. Ames, IA.
- r. Byrd, P., McCubbins, A., & Anderson, R. (April, 2014). Oxy-Fuel Welding Workshop. Ames, IA.
- s. Byrd, P., McCubbins, A., & Anderson, R. (March, 2014). Mig Welding Workshop. Ames, IA.
- t. Byrd, P., McCubbins, A., & Anderson, R. (February, 2014). Arc Welding Workshop. Ames, IA.
- u. Byrd, P., Perry, D., & Anderson, R. (April, 2013). Arc Welding Workshop. Ames, IA.
- v. Byrd, P., Perry, D., & Anderson, R. (March, 2013). Mig Welding Workshop. Ames, IA.
- w. Byrd, P., Perry, D., & Anderson, R. (June, 2012). Supplementing agricultural education curriculum by utilizing the AgMRC website curriculum. Presentation given at the Iowa Association of Agricultural Education Teachers Conference.

- x. Anderson, R. Byrd, A., & Perry, D. (June, 2012). Preparing a Team for the Agricultural
- y. Mechanics Career Development Event. Presentation given at the Iowa Association of Agricultural Education Teachers Conference, Ankeny, IA.
- z. Byrd, P., Perry, D., & Shultz, M. (April, 2012). Beginning Electricity Workshop. Ames, IA.
- aa. Byrd, P., Perry, D., Shultz, M., & Anderson, R. (March, 2012). Beginning Mig Welding Workshop. Ames, IA.
- bb. Byrd, P., Perry, D., Shultz, M., & Anderson, R. (February, 2012). Beginning Oxy-Fuel Welding Workshop. Ames, IA.
- cc. Byrd, P., Perry, D., Shultz, M., & Anderson, R. (January, 2012). Mig Welding Workshop for ISU farm workers. Ames, IA.
- dd. Byrd, P., Perry, D., Shultz, M., & Anderson, R. (December, 2011). Beginning Arc Welding Workshop. Ames, IA.
- ee. Byrd, P., Anderson, R. & Webb, A. (November, 2011). Virtual reality welding: Increasing the welding learning curve. Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.
- ff. Perry, D., Byrd, P., & Anderson, R. (November, 2011). Electricity 101: Basic electricalwiring fundamentals. Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

C. Poster Presentations (list only those not listed under publications)

1. Invited - no information available

2. Submitted

- a. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Gender Influences in Agricultural Education Teachers Competence to Teach Electrical Skills. Association for Career and Technical Education Research and Professional Development Conference, Nashville, TN. 1<sup>st</sup> Place – Outstanding Poster Award
- b. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers. Association for Career and Technical Education Research and Professional Development Conference, Nashville, TN.
- c. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Gender Influences in Agricultural Education Teachers Competence to Teach Electrical Skills. Poster presented at the 2014 National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY. 2<sup>nd</sup> Place – Research Poster

- d. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers. Poster presented at the 2014 National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY. 3<sup>rd</sup> Place – Research Poster
- e. Byrd, A. P., & Anderson, R. G. (2014). Utilizing the Arc+ Simulator to Teach Students Gas Tungsten Arc Welding (GTAW). Poster presented at the 2014 National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY. 3<sup>rd</sup> Place – Innovative Poster
- f. Byrd, A. P., & Anderson, R. G. (2014). Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agriculture Teachers. Poster presented at the 2014 National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY.
- g. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Gender Influence in Agricultural Education Teachers Competence to Teach Electrical Skills. North Central American Association for Agricultural Education Conference, Morgantown, WVA. 1<sup>st</sup> Runner-up Outstanding Research Poster.
- h. Tweeten, J. F., Byrd, A. P., Anderson, R. G., & Paulsen, T. H. (2014). Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers. North Central American Association for Agricultural Education Conference, Morgantown, WVA.
- i. Byrd, A., Anderson, R., & Stone, R. (2014). Utilizing Dexterity to Determine Future Performance of Participants in a Welding Training Program. Presentation presented at the 60<sup>th</sup> Annual North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.
- j. Byrd, A., Anderson, R., & Stone, R. (2014). The Use of Virtual Welding Simulators to Evaluate Experienced Welders. Presentation presented at the 60<sup>th</sup> Annual North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.
- k. Byrd, A., Anderson, R., Perry, D. & Wells, T. (2014). Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills. Presentation presented at the 60<sup>th</sup> Annual North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.
- l. Tweeten, J., Byrd, A., & Caudle, L. (2014). Virtual Viewing: Utilizing Webinars to Enhance Learning in Post-Secondary Classrooms. Poster presented at the American Association for Agricultural Education Conference, Salt Lake City, UT.

- m. Byrd, A., Stone, R., & Anderson, R. (2014). Utilizing Dexterity to Predict Future Performance of Beginning Welders. Poster presented at the American Association for Agricultural Education Conference, Salt Lake City, UT. Distinguished Poster Presentation
- n. Byrd, A., Stone, R., & Anderson, R. (2014). Can Dexterity Predict Future Performance of Novice Welders? Poster presented at the American Association for Agricultural Education Conference, Salt Lake City, UT.
- o. Wells, T., Anderson, R., Perry, D., & Byrd, P. (2014). Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students. Poster presented at the American Association for Agricultural Education Conference, Salt Lake City, UT.
- p. Byrd, A., Anderson, R., & Wells, T. (2014). Using Interactive Gaming to Introduce Students to Gas Tungsten Arc Welding (GTAW). Poster presented at the American Association for Agricultural Education Conference, Salt Lake City, UT.
- q. Byrd, A., Anderson, R., & Shultz, M. (2013). Financial impact of the VRTEX 360: Is virtual reality a cost-effective solution in the agricultural mechanics laboratory? Poster presented at the Association for Career and Technical Education Research and Professional Development Conference, Las Vegas, NV.
- r. Byrd, A., Anderson, R., & Shultz, M. (2013). Financial impact of the VRTEX 360: Is virtual reality a cost-effective solution in the agricultural mechanics laboratory? Poster presented at the 2013 National Agricultural Mechanics Contest Blue Ribbon Presentation. Louisville, KY.

D. World Wide Web Site Development and Use - no information available

XIV. Committees (University, College, Department/School, State, Regional, National, International)

A. University Committees – Clemson University

1. General Education Committee (2018-2021)

a. TCEL subcommittee (2018-2021)

2. University Assessment Committee (2016-Present)

a. Academic Program Review Subcommittee (2016-Present)

3. Parking Services Appeals Committee (2016 – Present)

4. Grants Review Committee (2016-2017)

B. College Committee –

1. CAFLS awards Committee (2016-2017)

C. Agricultural Sciences Committees –

1. Curriculum Committee (2015-2016)

- D. Southern Region – American Association for Agricultural Education –**
  - 1.**Program Improvement Committee (2014-Present)
  - 2.**Program Improvement Committee - Chair (2019)
  - 3.**Southern Region Poster Chair (2019)
  - 4.**SAAS AgEd Division Conference Planning Committee Co-Chair (2018-2019)
- E. National –**
  - 1.**National Agricultural Mechanics Special Interest Group (2014-Present)
  - 2.**National Agricultural Mechanics Special Interest Group – VP (2018)
  - 3.**National Agricultural Mechanics Special Interest Group – Chair (2019)
  - 4.**National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference – Chair (2016-Present)
  - 5.**National FFA Agricultural Technology & Mechanical Systems CDE committee (2016-Present)
  - 6.**National Association for Agricultural Education – Program Improvement Committee (2014-Present)

**XV. Professional Development**

**A. Society Memberships**

- |                                                           |              |
|-----------------------------------------------------------|--------------|
| 1. Alpha Tau Alpha                                        | 2004-Present |
| 2. American Association for Agricultural Educators        | 2004-Present |
| 3. National Association of Agricultural Educators         | 2004-Present |
| 4. Virginia Association of Agricultural Educators         | 2004-2010    |
| 5. Iowa Educational Research & Evaluation Association     | 2012-2014    |
| 6. South Carolina Association of Agricultural Educators   | 2014-Present |
| 7. Association of Career and Technical Education          | 2012-Present |
| 8. Association of Career and Technical Education Research | 2012-Present |
| 9. Gamma Sigma Delta                                      | 2014-Present |

**B. Honors and Awards**

- |                                                                                          |      |
|------------------------------------------------------------------------------------------|------|
| 1. Silver Award – James F. Lincoln Arc Welding Foundation Awards Program                 | 2014 |
| 2. 1 <sup>st</sup> Place Outstanding Poster Award – ACTER Conference                     | 2014 |
| 3. 2 <sup>nd</sup> Place Paper Presentation – Blue Ribbon Conference                     | 2014 |
| 4. 3 <sup>rd</sup> Place Paper Presentation – Blue Ribbon Conference                     | 2014 |
| 5. 3 <sup>rd</sup> Place Innovative Poster Presentation – Blue Ribbon Conference         | 2014 |
| 6. 2 <sup>nd</sup> Place Research Poster Presentation – Blue Ribbon Conference           | 2014 |
| 7. 3 <sup>rd</sup> Place Research Poster Presentation – Blue Ribbon Conference           | 2014 |
| 8. 1 <sup>st</sup> Runner-up Outstanding Research Poster – North Central AAAE Conference | 2014 |
| 9. 2 <sup>nd</sup> Runner-up Outstanding Paper Presentation – North Central AAAE Conf.   | 2014 |

10. Distinguished Manuscript Award – Western Region AAAE Conference 2014
11. Graduate Research Excellence Award 2014
12. Graduate Teaching Excellence Award 2014
13. Distinguished Research Poster Presentation – AAAE Conference 2014
14. 1<sup>st</sup> Place Paper Presentation – Blue Ribbon Conference 2013
15. 2<sup>nd</sup> Place Innovative Idea Poster – North Central AAAE Conference 2013
16. Gamma Sigma Delta inductee 2013
17. Recognized as an Advisor of a Virginia State FFA officer 2012
18. 3<sup>rd</sup> Place Student Innovative Idea Poster – North Central AAAE Conference 2012
19. 1<sup>st</sup> Place Student Innovative Idea Poster – Southern Region AAAE Conference 2012
20. 2<sup>nd</sup> Place Outstanding Poster at Blue Ribbon Conference 2011
21. Outstanding Advisor Award from Floyd County FFA 2011

C. Manuscript and grant panel reviewer

1. Journal of Agricultural Education
  - a. Manuscript Reviewer (2016-Present)
2. American Association for Agricultural Educators
  - a. Poster and Paper Reviewer (2013- Present)
3. American Association for Agricultural Educators – Southern Region
  - a. Poster and Paper Reviewer (2014- Present)
4. National Agricultural Mechanics and Blue Ribbon Conference
  - a. Poster and Paper Reviewer (2012, 2015-Present)
5. Iowa Educational Research Evaluation Association
  - a. Distinguished Paper Award Reviewer (2012)

D. Specialized training –

1. Ultrasonic Testing training to evaluate welds