**Ryan G. Anderson, Ph.D.**

Curriculum Vitae

Home Address Work Address

157 Tallow Trail 601 University Dr.

San Marcos, TX. 78666 San Marcos, TX. 78666

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**EDUCATION**

Ph.D. **Virginia Polytechnic Institute and State University, Blacksburg, VA**

Career and Technical Education (Emphasis Agricultural Education)

Dissertation: Attitudes of Outstanding Virginia Agricultural Education Teachers Toward Mathematics Integration, May 2007

M.S. **Texas A&M University-Commerce, Commerce, TX**

 Master of Science, Agricultural Education,

Thesis: Agricultural science teachers’ attitudes toward and adoption of information technology. August 2003

B.S. **Illinois State University, Normal, IL**

 Bachelors of Science, Agricultural Education, August 2000

**EXPERIENCE**

2019-Present **Texas State University, San Marcos, TX.**

Department of Agricultural Science

* *Assistant Professor, Agricultural Education & Mechanics*
* *Agricultural Mechanics Association Advisor*
* *Collegiate FFA Advisor*
* *75% Teaching, 25% Research*

2017-2019 **Sauk Valley Community College, Dixon, IL.**

Department of Agriculture

* *Professor, Agriculture*
* *Farm Manager*
* *Agriculture Club Advisor*

2010-2017 **Iowa State University, Ames, IA.**

Department of Agricultural Education and Studies

* *Assistant Professor, Agricultural Education*
* *Agricultural Education/Collegiate FFA Advisor*
* *Director of Undergraduate Education Programs (2011-2016)*
* *Graduate Admissions and Recruitment Committee Member*
* *Teacher Education and Teacher Placement Committee Member*
* *70% Teaching, 30% Research*

2006-2010 **Murray State University, Murray, KY.**

School of Agriculture

* *Assistant Professor, Agricultural Systems Management*
* *Agricultural Engineering Technology club advisor*
* *Collegiate FFA advisor*
* *Racer Girls Dance Team advisor*
* *Research Policy Committee member*

2003-2006 **Virginia Polytechnic Institute and State University, Blacksburg, VA.** Department of Agricultural Extension and Education

* *Graduate Teaching Assistant*
* *Teach undergraduate and graduate courses*
* *Supervise student teacher*

2005 **Virginia Polytechnic Institute and State University, Blacksburg, VA.** Department of Crop, Soil, and Environmental Science

* + - *Field and Laboratory Assistant*
		- *Research instrument designer*

2004-2005 **Virginia Governor’s School for Agriculture, Blacksburg, VA.**

* *Plant Science Group Leader*
* *Supervise four independent group research projects*

2003 **Texas A&M University-Commerce, Commerce, TX.**

* + - Department of Agricultural Science
		- *Graduate Research Assistant*
		- *Graduate Teaching Assistant*
		- *Technical assistant for distance education students*

2001-2002 **A-C Central Community Unit School District, Ashland, IL.**

* + - *Agricultural Education Instructor*
		- *FFA Advisor (100% Membership, 12 CDE teams)*
		- *FFA Alumni Advisor*
		- *Supervised Agricultural Experience Supervisor (7 sections winners)*
		- *Livestock Judging Invitational Supervisor*

2001  **Virginia Community Unit School District, Virginia, IL**

* + - *Head Junior Varsity Football coach (5-4)*
		- *Head Freshman Football coach (4-4)*
		- *Assistant Varsity Football Coach (6-4)*
		- *(A-C Central Coop with Virginia)*

2000- 2001 **Aledo Community Unit School District, Aledo, IL**

* + - *Agricultural Education Instructor*
		- *Co-FFA Advisor (100% Membership, 9 CDE teams)*
		- *Supervised Agricultural Experience Co- Advisor (5 section winners)*
		- *Assistant Freshman Football Coach (7-2)*
		- *Assistant Varsity Football Coach (6-4)*
		- *Assistant Junior Varsity Baseball Coach (12-18)*
		- *Senior Class Sponsor*

2000 **Eureka Community Unit School District, Eureka, IL**

* + - *Agricultural Education Student Teacher*
		- *FFA student advisor (100% Membership, 10 CDE teams)*

1999-2000 **Metamora Township High School, Metamora, IL**

* + - *Assistant Freshman Football Coach (8-1)*
		- *Assistant Varsity Football Coach (13-1, State Runners-up)*
		- *Assistant Varsity Baseball Coach (25-12)*

**PROFESSIONAL CERTIFICATIONS**

Teacher License, Agriculture Endorsement, Grades 6-12

State of Illinois, Number 1697977 (Expired)

Certificate Endorsements:

* + - Agriculture Business & Management
		- Agriculture Power & Machinery
		- Horticulture
		- Agricultural Resources

American Welding Society-Welding Certification

 Gas Metal Arc Welding-

* + - 1G, Flat Groove
		- 1F, Flat Fillet
		- 2F, Horizontal Fillet

Stihl Two-Cycle Engine- Bronze Certification

Texas State University Scholarship and Teaching Excellence Program (STEP) Certificate

Curriculum for Agricultural Science Education (CASE) Certifications

* Foundations (2021)
* Agricultural Business Foundations (2021)
* Technical Applications in Agriculture (2023)

**TEACHING EXPERIENCE**

**Texas State University**

**Course Instructor: Courses taught from Fall 2019 to Present**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course Number | Course Title | Type of Preparation | No. of Semesters | No. of Credits | No. of Students | Total SCH |
| AG 2374 | Metal Fabrication | New | 4 | 3 | 110 | 330 |
| AG 3310 | Ag Power Machinery  | New | 2 | 3 | 48 | 144 |
| AG 3353 | Ag Structures | New | 3 | 3 | 47 | 141 |
| AG 4185 | Current Problems | New | 4 | 2 | 32 | 64 |
| AG 4311 | Instructional Methods | New | 4 | 3 | 77 | 231 |
| AG 4343 | Org. & Lab Mgt.  | New | 4 | 3 | 71 | 213 |
| AG 4361 | Ag. Electricity  | New | 3 | 3 | 90 | 270 |
| AG 4681 | Ag. Student Teaching | New | 4 | 6 | 21 | 126 |
| AG 5100 | Professional Development | New | 1 | 1 | 6 | 6 |
| AG 5350 | Ethics & Leadership | New | 2 | 3 | 24 | 72 |
| AG 5370 | Teaching Ag. Mech. in Secondary Settings | New | 1 | 3 | 5 | 16 |
|  |  |  |  |  |  |  |

**Sauk Valley Community College**

**Course Instructor:** **Courses taught from Fall 2017 to Summer 2019**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course Number | Course Title | Type of Preparation | No. of Semesters | No. of Credits | No. of Students | Total SCH |
| AGR 102 | Intro to Ag Econ | New | 2 | 4 | 18 | 72 |
| AGR 109 | Soil Science | New | 2 | 4 | 21 | 84 |
| AGR 116 | Intro to Animal Science | New | 1 | 4 | 5 | 20 |
| AGR 130 | Intro to Ag Mech | New | 1 | 4 | 5 | 20 |
| AGR 150 | Intro to Ag Bus Mgt | New | 2 | 4 | 15 | 60 |
| AGR 155 | Intro to Ag Marketing | New | 1 | 3 | 3 | 9 |
| AGR 160 | Agricultural Sales | New | 1 | 4 | 5 | 20 |
| AGR 199 | Intro to Ag Issues | New | 1 | 3 | 5 | 15 |
| AGR 201 | Plant Science | New | 2 | 4 | 27 | 116 |
| IND 250 | Industrial Internship | New | 1 | 3 | 1 | 3 |
| WLD 106 | Intro to Welding | New | 1 | 2 | 4 | 8 |

**Iowa State University**

**Course Instructor:** **Courses taught from Fall 2010 to Spring 2017**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course Number | Course Title | Type of Preparation | No. of Semesters | No. of Credits | No. of Students | Total SCH |
| AGEDS 311 | Presentation & Sales Strategies for Agricultural Audiences  | Restructured | 7 | 3 | 169 | 507 |
| AGEDS 388 | Agricultural Mechanics Applications | New | 5 | 3 | 92 | 276 |
| AGEDS 417 | Supervised Teaching in Agricultural Education | Existing Materials | 7 | 12 | 13 | 156 |
| AGEDS 488 | Methods of Teaching Agricultural Mechanics | Redesigned | 14 | 3 | 186 | 558 |
| AGEDS 490a | Independent Study in Agricultural Education  | New | 9b | Variable | 26 | 68 |
| AGEDS 499 | Undergraduate Research | New | 2 | Variable | 2 | 11 |
| AGEDS 533 | Introduction to Learning Theory in Agricultural Education | New | 6 | 3 | 172 | 516 |
| AGEDS 590a | Special Topics in Ag Education | New | 10b | Variable | 36 | 96 |
| AGEDS 593 | Workshop in Ag Education | New | 9b | 1-3 | 23 | 49 |
| AGEDS 599 | Creative Component | New | 12 | Variable | 24 | 64 |
| AGEDS 617  | Professional Internship in Ag Education | New | 2 | Variable | 3 | 3 |
| AGEDS 699 | Research | New | 6 | Variable | 8 | 21 |

NOTE: a- Includes all sub-sections of the course; b- Includes summer session

**Murray State University**

**Course Instructor: Courses taught from Fall 2006 to Spring 2010**

|  |  |  |
| --- | --- | --- |
| AGR 170 | Intro to Ag Systems Management (3 sections) | Fall 2006-Spring 2010 |
| AGR 372 | Metal Fabrication | Fall 2006- Spring 2010 |
| AGR 379 | Field Equipment Management (Online) | Fall 2007- Spring 2011 |
| AGR 570 | Ag Systems Technology Lab Management | Fall 2007, Fall 2009 |
| AGR 573 | Agricultural Processing | Fall 2009 |
| AGR 575 | Combines and Grain Handling | Fall 2008 |
| AGR 578 | Research and Development of Ag. Equipment | Summer 2007-2009 |
| AGR 534 | Types and Systems of Agribusiness | Summer 2007 |
| AGR 672 | Advanced Metal Working | Spring 2009- Spring 2010 |
| AED 687 | Teaching Agricultural Mechanics | Summer 2007-2010 |
| AGR 576 | Electrification Systems in Agriculture | Spring 2010 |
| AGR 676 | Advanced Electricity in Agriculture | Spring 2010 |

**Virginia Polytechnic Institute and State University**

**Course Instructor: Courses taught from Spring 2004 to Fall 2005**

|  |  |  |
| --- | --- | --- |
| AT 0124 | Agricultural Machinery and Mechanics | Spring 2004 |
| ALS 4884 | Youth Program Management | Fall 2005 |

**Course Graduate Teaching Assistant: Courses from Fall 2003-Spring 2006**

|  |  |  |
| --- | --- | --- |
| AEE 4034 | Methods in Planning Education Programs in Agricultural Education | Fall 2003-2004 |
| AEE/BSE 3084 | Agricultural Metal Fabrication | Fall 2003-2004 |
| AEE 5104 | Research Applications in AEE | Fall 2003 |
| ALS 5034 | Teaching Agricultural Mechanics | Fall 2003  |
| AT 0384 | Agricultural Buildings | Spring 2004-2005 |
| AEE 4964 | Field Study | Spring 2004-2005 |
| AEE 4244 | Methods of Teaching Career and Occ. Education | Spring 2004-2006  |
| AEE/BSE 3074.  | Procedures in Agricultural Construction | Spring 2005 |
| AEE 4754 | Internship in Agricultural Education | Spring 2005-2006 |

**Texas A&M-Commerce University**

**Course Teaching Assistant: Courses from Fall 2002 to Spring 2003**

|  |  |  |
| --- | --- | --- |
| AMC 315 | Agricultural Systems Technology Management | Fall 2002 |
| AGED 572 | Special Populations | Spring 2003 |
| AMC 497 | Special Topics: Teaching Agricultural Mechanics | Summer 2003 |

**Secondary Courses Taught: Aledo & A-C Central High School (Fall 2000 to Spring 2002)**

|  |
| --- |
| Agricultural Business Operations I & II |
| Agricultural Construction and Technology I & II |
| Basic Agricultural Science I & II |
| Introduction to Agriculture I & II |
| Natural Resources Conservation & Management I & II |
| Resource Utilization & Conservation I & II |
| Agricultural Mechanics and Technology |
| Biological Science Applied to Agriculture |
| Agricultural Machinery Service I & II |
| Horticulture Production and Management I & II |

**PROFESSIONAL SERVICES**

**Arizona FFA Association**

|  |  |  |
| --- | --- | --- |
| Judge | State Agricultural Mechanics Career Development Event | Spring 2015 |

**Iowa FFA Association**

|  |  |  |
| --- | --- | --- |
| Coordinator | State Agricultural Mechanics Career Development Event | Spring 2016 |
| Coordinator | Iowa State University Welding Invitational | Spring 2016 |
| Coordinator | State Agricultural Mechanics Career Development Event | Spring 2015 |
| Coordinator | State Agricultural Mechanics Career Development Event | Spring 2014 |
| Coordinator | State Agricultural Mechanics Career Development Event | Spring 2013 |
| Judge | Iowa State Fair Agricultural Mechanics- Welding | Fall 2012 |
| Coordinator | State Agricultural Mechanics Career Development Event | Spring 2012 |
| Judge | State Agricultural Mechanics Career Development Event | Spring 2011 |
| Judge | Southeast District Welding Contest Judge | Spring 2011 |

**Kentucky FFA Association**

|  |  |  |
| --- | --- | --- |
| Facilitator  | MSU Field Day Hippology Career Development Event | Spring 2010 |
| Judge/ Facilitator | Region I & II Welding Career Development Event | Fall 2009 |
| Facilitator | Racer Round-up Leadership Conference | Fall 2009 |
| Judge | State Small Engines Career Development Event | Fall 2009 |
| Facilitator | Region I & II Tool Identification CDE | Spring 2009 |
| Facilitator | MSU Field Day Hippology Career Development Event | Spring 2009 |
| Judge/ Facilitator | Region I & II Welding Career Development Event | Fall 2008 |
| Judge | State Small Engines Career Development Event | Fall 2008 |
| Facilitator | MSU Field Day Hippology Career Development Event | Spring 2008 |
| Judge/ Facilitator | Region I & II Welding Career Development Event | Fall 2007 |
| Facilitator | Racer Round-up Leadership Conference | Fall 2007 |
| Judge | State Small Engines Career Development Event | Fall 2007 |
| Facilitator | Region I & II Tool Identification CDE | Spring 2006 |
| Judge | State Agricultural Mechanics CDE | Fall 2006 |
| Judge | State Small Engines Career Development Event | Fall 2006 |
| Judge | State Agricultural Communications CDE | Fall 2006 |
| Judge | Region I & II Welding Career Development Event | Fall 2006  |
| Facilitator | Racer Round-up Leadership Conference  | Fall 2006 |

**National FFA Association**

|  |  |  |
| --- | --- | --- |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2019 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2018 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2016 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2015 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2014 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2013 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2012 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2011 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2010 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2009 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2008 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2007 |
| Judge | Agricultural Mechanics Proficiency Award | Fall 2006 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2006 |
| Judge | National Agricultural Mechanics Career Development Event | Fall 2005 |
| Judge | Fruit Production Proficiency Award | Fall 2005  |
| Committee Member | National Agricultural Mechanics Committee | 2004-2009 |

**Virginia FFA Association**

|  |  |  |
| --- | --- | --- |
| Ex Officio | Senior Agricultural Mechanics CDE | Spring 2008 |
| Ex Officio | Junior Agricultural Mechanics CDE | Spring 2008 |
| Ex Officio | Senior Agricultural Mechanics CDE | Spring 2007 |
| Ex Officio | Junior Agricultural Mechanics CDE | Spring 2007 |
| Ex Officio | Senior Agricultural Mechanics CDE | Spring 2006 |
| Ex Officio | Junior Agricultural Mechanics CDE | Spring 2006 |
| Judge | Tractor Driving Contest | Spring 2006 |
| Facilitator | AES Leadership Conference | Fall 2005 |
| Ex Officio | Small Engines CDE | Fall 2005 |
| Judge | Middle School Agricultural Mechanics CDE | Spring 2005 |
| Ex Officio | Senior Agricultural Mechanics CDE | Spring 2005 |
| Ex Officio | Junior Agricultural Mechanics CDE | Spring 2005 |
| Facilitator | AES Leadership Conference | Fall 2004 |
| Ex Officio | Senior Agricultural Mechanics CDE | Spring 2004 |
| Ex Officio | Junior Agricultural Mechanics CDE | Spring 2004 |
| Judge | Tractor Driving Career Development Event | Fall 2003 |
| Judge | Tractor Troubleshooting CDE | Fall 2003 |
| Facilitator | AES Leadership Conference | Fall 2003 |

**Texas FFA Association**

|  |  |  |
| --- | --- | --- |
| Judge | Dripping Springs FFA Officer Interview Panel  | Spring 2023 |
| Co-coordinator  | Texas High School Welding Series GMAW event  | Spring 2023 |
| Judge | Area VII Applied Engineering CDE | Spring 2023 |
| Co-coordinator  | Area VII Agricultural Mechanics CDE | Spring 2023 |
| Judge | Houston Livestock Show & Rodeo Jr. Ag. Mech Show | Spring 2023 |
| Lead Judge | Austin Livestock Show & Rodeo Jr. Ag. Mech Show | Spring 2023 |
| Core Judge | San Antonio Livestock Show Jr. Ag. Mechanics Show  | Spring 2023 |
| Co-coordinator  | Texas High School Welding Series SMAW event  | Fall 2022 |
| Judge | Alamo District Leadership Development Event (Skills) | Fall 2022 |
| Co-coordinator  | Texas High School Welding Series GMAW event  | Spring 2022 |
| Judge | Texas State ATMS CDE | Spring 2022 |
| Judge | Texas State Applied Engineering CDE | Spring 2022 |
| Co-coordinator  | Area VII Agricultural Mechanics CDE | Spring 2022 |
| Lead Judge | Houston Livestock Show & Rodeo Jr. Ag. Mech Show | Spring 2022 |
| Core Judge | San Antonio Livestock Show Jr. Ag. Mechanics Show  | Spring 2022 |
| Co-coordinator  | Texas High School Welding Series SMAW event  | Fall 2021 |
| Judge | Alamo District Leadership Development Event (PR) | Fall 2021 |
| Judge | Texas State ATMS CDE | Spring 2021 |
| Co-coordinator  | Area VII Agricultural Mechanics CDE | Spring 2021 |
| Judge | Houston Livestock Show & Rodeo Jr. Ag. Mech Show | Spring 2021 |
| Judge | San Antonio Livestock Show Jr. Ag. Mechanics Show  | Spring 2021 |
| Judge | Guadalupe County Fair- Jr. Agricultural Mechanics Show | Spring 2021 |
| Judge | Texas State Agricultural Issues CDE | Fall 2020 |
| Judge | Texas Area 12 Leadership Development Event (Radio) | Fall 2020 |
| Judge | Alamo District Leadership Development Event (PR) | Fall 2020 |
| Committee member | State Agricultural Mechanics committee | 2020-2021 |
| Judge | San Antonio Livestock Show Jr. Ag. Mechanics Show  | Spring 2020 |
| Judge | Guadalupe County Fair- Jr. Agricultural Mechanics Show | Spring 2020 |
| Committee member | State Agricultural Mechanics committee | 2019-2020 |
| Judge | Regional Agricultural Mechanics CDE | Spring 2003 |
| Committee member | State Agricultural Mechanics committee | Spring 2003 |

**Illinois FFA Association**

|  |  |  |
| --- | --- | --- |
| Ex Officio | District I Agricultural Sales CDE | Fall 2018 |
| Judge | Section III Agricultural Mechanics CDE | Spring 2018 |
| Judge | Section II Job Interview CDE | Spring 2018 |
| Ex Officio | District I Agricultural Sales CDE | Fall 2017 |
| Judge | State Proficiency Award | Spring 1999  |
| Judge | Section V Parliamentary procedure CDE | Fall 1999 |
| Judge | Section V Proficiency Award | Spring 2000  |
| Judge | District I Proficiency Award | Spring 2000 |
| Judge | Section IV Proficiency Award | Spring 2001  |
| Judge | District I Proficiency Award | Spring 2001 |
| Judge | State Proficiency Award | Spring 2001 |
| Facilitator | State Agricultural Mechanics CDE | Spring 2001 |
| Judge | Section XII Proficiency Award | Spring 2002 |
| Judge | District III Proficiency Award | Spring 2002 |
| Judge | State Proficiency Award | Spring 2002 |

**Texas State University**

 **University Committees**

* Experiential, Career, and Community Engaged Learning (EXC2EL) Center Advisory Board
* Division of Research Principal Investigator Council

 **Department Committees**

* Agricultural Mechanics Senior Lecturer- Screening Committee (2019-2020)
* Texas State University CDE Invitational- Coordinator (2019-Present)
* Meat & Greet (2019-Present)
* Outreach Committee (2020-Present)
* Bobcat Days (2019, 2021)
* Bobcat Welcome (2022, 2023)
* Curriculum Committee (2023)
* Promotion & Tenure Procedure Review Committee (2023)

 **Student Organizations**

* Collegiate FFA (2019-Present)
	+ CFFA Leadership Development Invitational (2019, 2021, 2022)
	+ CFFA Virtual Leadership Development Invitational (2020, 2021)
	+ CFFA Livestock Judging Contest (2022, 2023)
	+ Bobcat Classic (2019, 2023)
* Agricultural Mechanics Association (2019-Present)
	+ SMAW Welding Workshop (2021)
	+ GMAW Welding Workshop (2022, 2023)
	+ Texas State University Agricultural Mechanics Show (2022, 20023)

**Sauk Valley Community College**

**College Committees**

* Prairie Grass Committee
* Institutional Research Board Committee
* Faculty Development
* Multicraft Faculty Screening Committee (2017)
* Active Classroom Committee

**Iowa State University**

**College Committees**

* Academic Affairs (2011-2012)
* Recruitment Committee (2010- 2017)

**Department Committees**

* Teacher Education and Teacher Placement (2010-2017)
* Graduate Admissions and Recruitment (2010-2017)
* Curriculum and Undergraduate Recruitment (2012-2017)
* AGEDS Governance Document Committee Chair (2015-2016)
* Department Chair Evaluation (2012-2015)
* Assistant Professor- Screening Committee (2010)
* Agricultural Education/ Rural Sociology Exploratory Committee (2012)

**Professional Organizations Service**

**American Association of Agricultural Educators (AAAE)**

* Paper Reviewer (2009-2023)
* Poster Reviewer (2009-2023)
* Program Improvement Committee (North Central 2012-2015, Western 2021-2024)
	+ Vice Chair 2013-2014
	+ Chair 2014-2015
* Member Service Committee (2015-2017)
* Professional Development Committee (2018-2020)
* National Research Conference Poster Chair (2014)
* Conference Planning Committee (2015, 2022)
* National Research Chair (2022)
* Agricultural Mechanics Special Interest Member
	+ SIG Chair (2012, 2015, 2016)
	+ Assistant Chair (2013, 2014)
	+ Coordinate Agricultural Mechanics Grant Writing Weekend (2011 & 2012)
	+ Coordinate 2020 Agricultural Mechanics Professional Development Workshop at AAAE Conference (Canceled Due to COVID-19)

**American Association of Agricultural Educators (AAAE) North Central Region**

* Research Paper Session Co-Chair (2011)
* Poster Reviewer (2010, 2014, 2017)
* Paper Reviewer (2015, 2016, 2017, 2018)
* Poster Session Chair (2014)
* Program Improvement Committee Vice Chair (2012-2013)
* Program Improvement Committee Chair (2013-2014)
* Member Services Committee (2015-2017)
* Professional Development Committee (2018-2020)
* Conference Planning Committee (2014)
* Session Discussant (2017)

**American Association of Agricultural Educators (AAAE) Southern Region**

* Facilitator
* Paper Reviewer (2010, 2011, 2012, 2013, 2014, 2015, 2023)
* Poster Reviewer (2010, 2011, 2012, 2014, 2015, 2016, 2018, 2019, 2020, 2021, 2022, 2023)
* Paper Judge (2011)
* Poster Judge (2011)
* Session discussant (2011)

**American Association of Agricultural Educators (AAAE) Western Region**

* Paper Reviewer (2010, 2011, 2013, 2014, 2019)
* Poster Reviewer (2010, 2011, 2012, 2013, 2014, 2018, 2019, 2020, 2021, 2022, 2023)
* Program Improvement Committee (2022-2024)
* Program Improvement Committee Chair (2022-2023)

**Association for Career and Technical Education Research**

* Paper Reviewer (2011, 2012, 2013, 2014, 2015)
* Conference Co-Chair (2015)
* Conference Chair (2016)
* Conference Planning Committee (2022-2023)

**Career and Technical Education Research Journal**

* Manuscript Reviewer (2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2022, 2023)
* Editorial Board (2017-2021, 2021-2024)
	+ Co-Chair (2022-2023)

**Equipment & Engine Training Council (EETC)**

* EETC Technician Certification Test administrator

**Harbor Freight Tools for Schools**

* Tools for Schools- Second Round Judge (2017 & 2020)

**Irrigation Association Agriculture Faculty Academy**

* Planning Committee (2019)

**James F. Lincoln Arc Welding Foundation**

* Division I & II Judge (2021-2024)

**Journal of Agricultural Education**

* Manuscript Reviewer (2012, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023)
* Editorial Board (North Central Rep 2015-2019) (Western Rep 2021-2024)
* Editorial Board Chair (2023-2024)

**Journal of Agricultural Systems and Technology Management**

* Manuscript Reviewer (2012, 2014, 2015, 2022)

**Journal of Human Sciences and Extension**

* Manuscript Reviewer (2022, 2023)

**Journal of Research in Technical Careers**

* Manuscript Reviewer (2018, 2021, 2023)

**La Vernia Arts & Crafts Show**

* Senior Division Judge (2023)

**National Association of Agricultural Educators**

* Agricultural Mechanics Community of Practice facilitator (2011-2014)

**National Agricultural Mechanics Professional Development Seminar and Blue Ribbon Posters**

* Paper Reviewer (2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2016)
* Poster Reviewer (2016, 2017, 2018, 2019)
* Abstract Reviewer (2020, 2021, 2022)
* Poster Committee member
* Conference Chair (2014, 2015)

**Rodeo Austin**

* Gala participant (2022)
* Lead Judge (2023)

**San Antonio Livestock Show & Rodeo**

* Judge (2020)
* Lead Judge (2021)
* Core Judge (2022-2023)
* Advisory Committee (2022-Present)
* Superintendent (2023-Present)

**San Marcos Independent School District**

* Career & Technical Education Advisory Board (2022-2023)

**San Marcos Sights & Sounds of Christmas Festival**

* Stage Assistant (2019)

**Sauk Valley Chamber of Commerce Agribusiness Committee**

* Committee member (2017-2019)

**South Dakota State University**

* Agricultural Studies program review (2015)

**Texas High School Welding Series**

* Rising Star of Texas SMAW Host (2021 & 2022)
* Hornet Hive Welding Callout Education Representative (2021 & 2022)
* Rising Star of Texas GMAW Host (2022 & 2023)
* Instructor’s Seminar & Workshop (2022)

**United State Department of Agriculture**

* National Institute of Food and Agriculture (PD-STEP) Peer Reviewer (2017)

**PROFESSIONAL ORGANIZATIONS AND OFFICES**

Agricultural Education Society 2003-2006

Alpha Tau Alpha 2003-Present

* National President 2011-2013
* National President-Elect 2010-2011
* National Vice President 2008-2010

American Association for Agricultural Educators (Life Member) 2005-Present

* North-Central Region Program Improvement Committee (2011-2014)
	+ Vice-Chair 2012-2013
	+ Chair 2013-2014
* North-Central Region Member Services Committee (2014-2016)
* North-Central Region Professional Development Committee (2018-2020)
* National AAAE Agricultural Mechanics Special Interest Group (SIG) Chair
* National Program Improvement Committee
* Vice-Chair 2013-2014
* Chair 2014-2015
* Western Region Program Improvement Committee (2021-2024)
	+ Chair 2022-2023

American Farm Bureau 1994-Present

* Lee County Governmental Affairs Committee (2018-2019)

Arbor Day Society 2018- Present

Association for Career and Technical Educators 2000-Present

Association for Career and Technical Education Research 2007-Present

* Research Conference Chair (2016)

Association for International Agricultural and Extension Education 2015-2017

Consortium of Collegiate Agricultural Organization Board of Directors 2009-2012

* Ag Day Collegiate Leadership Summit Director (2009-2011)

Eastern Educators Research Association 2005-2010

Equipment & Engine Training Council 2015-2017

FarmHouse International Fraternity Alumni 2000-Present

Gamma Sigma Delta 2011-2017

* Vice-President/President Elect, 2014-2015
* President, 2015-2016
* Advisor, 2016-2017

Illinois Association of Community College Agriculture Instructors 2017-Present

* Agricultural Education/Agricultural Mechanics Curriculum Chair (2018-2020)

Illinois Association of Vocational Agriculture Teachers 2017-2019

* Professional Development Committee

Illinois Farm Bureau Association 2017-2019

Iowa Association of Agricultural Educators 2010-2016

Iowa Farm Bureau Association 2013-2016

National Association of Agricultural Educators (Life member) 2000-Present

National Association for Research in Science Teaching 2015-2016

North American College Teachers of Agriculture (Life member) 2010-Present

Omicron Tau Theta 2003-Present

* Secretary, 2005-06

Texas Farm Bureau 2020-Present

The Academy for Career and Technical Teacher Education 2010-Present

Vocational Association of Texas Agriculture Teachers 2019-Present

**PROFESSIONAL MEETINGS**

**NATIONAL**

|  |  |
| --- | --- |
| 2023 | USDA NIFA FY23 HSI Project Director’s meeting- Austin, TX.  |
| 2023 | American Association for Agricultural Education- Raleigh, N.C.  |
| 2023 | USDA Grant Support Technical Assistance Workshop- Virtual  |
| 2022 | Association for Career and Technical Educators – Las Vegas  |
| 2022 | National Association of Agricultural Educators Convention– Las Vegas |
| 2022 | Association for Career and Technical Educators Research – Las Vegas |
| 2022 | American Association for Agricultural Education- Oklahoma City, OK.  |
| 2022 | National Science Foundation Virtual Grant Conference |
| 2021 | Association for Career and Technical Educators – New Orleans  |
| 2021 | National Association of Agricultural Educators Convention– New Orleans |
| 2021 | Association for Career and Technical Educators Research – New Orleans |
| 2021 | USDA NIFA FY21 HSI Project Director’s meeting- Virtual |
| 2021 | Non Land-Grant Agriculture and Renewable Resource Universities (NARRU) Annual Meeting- Virtual  |
| 2021 | USDA HSI Federal Resource Symposium- Virtual  |
| 2021 | American Association for Agricultural Education- Virtual  |
| 2020 | North American College Teachers of Agriculture Conference- Virtual |
| 2020 | American Association for Agricultural Education- Virtual  |
| 2020 | CASE Elite Elevation Program- Online |
| 2019 | National FFA Convention- Indianapolis, IN. Judge |
| 2019 | American Association for Agricultural Education- Des Moines, IA. Presenter |
| 2018 | National Association of Agricultural Educators Convention– San Antonio, TX.  |
| 2018 | Sustainable Agriculture Summit, Denver, CO.  |
| 2018 | National FFA Convention- Indianapolis, IN. Judge |
| 2018 | World Dairy Expo, Madison, WI.  |
| 2018 | North American College Teachers of Agriculture Conference- Ames, IA. |
| 2018 | American Association for Agricultural Education- Charleston, S.C. Presenter  |
| 2017 | American Association for Agricultural Education. San Luis Obispo, CA. Presenter |
| 2016 | Association for Career and Technical Educators – Las Vegas, NV. - Presenter |
| 2016 | National FFA Convention- Indianapolis, IN. Judge |
| 2016 | NACTA-Honolulu, HI. Presenter |
| 2016 | American Association for Agricultural Education. Kansas City, MO. Presenter |
| 2016 | International Team Based Learning Conference- Albuquerque, NM.- Presenter  |
| 2015 | Association for Career and Technical Educators – New Orleans, LA. - Presenter |
| 2015 | National FFA Convention- Louisville, KY. Judge |
| 2015 | Best Practices & Innovations in CTE Conference. Phoenix, AZ. Presenter |
| 2015 | American Association for Agricultural Education. San Antonio, TX. Presenter |
| 2015 | Association for International Agricultural and Extension Education. The Netherlands |
| 2015 | National Association for Research in Science Teaching. Chicago, IL. Presenter  |
| 2014 | Association for Career and Technical Educators – Nashville, TN. - Presenter |
| 2014 | National FFA Convention- Louisville, KY. Judge |
| 2014 | NACTA-Bozeman, MT. Presenter |
| 2014 | American Association for Agricultural Education, Salt Lake City, UT.  |
| 2013 | Association for Career and Technical Educators – Las Vegas, NV. - Presenter |
| 2013 | American Association for Agricultural Education, Columbus OH. |
| 2013 | National FFA Convention- Louisville, KY. Judge |
| 2012 | Association for Career and Technical Educators – Atlanta, GA. - Presenter |
| 2012 | National FFA Convention- Indianapolis, IN. Judge |
| 2012 | American Association for Agricultural Education, Asheville, N.C. |
| 2011 | Association for Career and Technical Educators – St. Louis, MO. - **Presenter** |
| 2011 | National Association of Agricultural Educators Convention– St. Louis, MO.  |
| 2011 | National FFA Convention- Indianapolis, IN. **Judge** |
| 2011 | American Association for Agricultural Education, Coeur D’Alene ID. |
| 2011 | National Science Foundation Regional Grants Conference, Nashville TN.  |
| 2011 | U.S.D.A. Grantsmanship conference, Washington, D.C.  |
| 2011 | Ag Day Collegiate Leadership Summit- **Facilitator** |
| 2010 | Association for Career and Technical Educators – Las Vegas, NV. - **Presenter** |
| 2010 | National FFA Convention- Indianapolis, IN. **Judge** |
| 2010 | American Association for Agricultural Education, Omaha, NE.  |
| 2010 | Ag Day Collegiate Leadership Summit- **Facilitator** |
| 2009 | National FFA Convention- Indianapolis, IN. **Judge** |
| 2008 | National FFA Convention- Indianapolis, IN. **Presenter & Judge** |
| 2008 | American Association for Agricultural Education, Reno, NV. - **Presenter** |
| 2007 | Association for Career and Technical Educators – Las Vegas, NV. - **Presenter** |
| 2007 | National FFA Convention- Indianapolis, IN. **Presenter & Judge** |
| 2007 | NACTA-Champaign, IL. - **Presenter** |
| 2007 | OMEGA Conference- Indianapolis, IN. - **Presenter** |
| 2006 | National FFA Convention- Indianapolis, IN. **Judge**  |
| 2006 | OMEGA Conference- Indianapolis, IN. |
| 2006 | American Association for Agricultural Education, Charlotte, NC. - **Chair** |
| 2005 | National FFA Convention- Louisville Ky. **Judge** |
| 2005 | American Association For Agricultural Education- San Antonio, TX. - **Presenter**  |
| 2005 | Association for Career and Technical Educators (ACTE) National Policy Seminar- Washington, DC. **Advocate**  |
| 2004 | National FFA Convention- Louisville, KY. **Judge** |
| 2003 | National FFA Convention- Louisville, KY. **Judge** |
| 2001 | National FFA Convention- Louisville, KY. **Judge** |

**REGIONAL**

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| 2023 | Western Agricultural Education Research Conference, Logan, UT. |
| 2022 | Western Agricultural Education Research Conference, Las Cruces, NM. |
| 2021 | Western Agricultural Education Research Conference, Bozeman, MT.  |
| 2020 | Region II National Association of Agricultural Educators Conference- Virtual  |
| 2019 | Western Agricultural Education Research Conference, Anchorage, AK.  |
| 2018 | North Central Agricultural Education Research Conference, Fargo, ND |
| 2017 | North Central Agricultural Education Research Conference, Ames, IA  |
| 2016 | North Central Agricultural Education Research Conference, Lafayette, IN.  |
| 2016 | Southern Agricultural Education Research Conference, San Antonio, TX.  |
| 2015 | North Central Agricultural Education Research Conference, Minneapolis, MN. |
| 2014 | North Central Agricultural Education Research Conference, Morgantown, WV. |
| 2014 | Western Agricultural Education Research Conference, Keno, HI. |
| 2013 | North Central Agricultural Education Research Conference, Platteville, WI.  |
| 2012 | North Central Agricultural Education Research Conference, Champaign, IL.  |
| 2012 | National Association of Agricultural Educators Region Convention- Ankeny, IA. |
| 2011 | North Central Agricultural Education Research Conference, University Park, PA. |
| 2011 | Southern Agricultural Education Research Conference, Corpus Christi, TX. |
| 2010 | North Central Agricultural Education Research Conference, Manhattan, KS. |
| 2010 | Southern Agricultural Education Research Conference, Orlando, FL. |
| 2010 | Eastern Educational Research Association Conference, Savannah, GA.  |
| 2009 | Southern Agricultural Education Research Conference, Atlanta, GA.  |
| 2008 | Southern Agricultural Education Research Conference, Dallas, TX.  |
| 2007 | Southern Agricultural Education Research Conference, Biloxi, MS.  |
| 2007 | Eastern Educational Research Association Conference, Clearwater, FL.  |
| 2006 | Southern Agricultural Education Research Conference, Orlando, FL.  |
| 2006 | Eastern Educational Research Association Conference, Hilton Head, SC. |
| 2005 | Southern Agricultural Education Research Conference, Little Rock, AK. |

**STATE**

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| 2023 | Texas Association of Vocation Agriculture Teachers Conference- Dallas, TX.  |
| 2023 | Texas FFA Convention- Dallas, TX.  |
| 2022 | Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi  |
| 2022 | Texas FFA Convention- Fort Worth, TX.  |
| 2021 | Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi  |
| 2021 | Texas FFA Convention- Fort Worth, TX.  |
| 2020 | Texas Association of Vocation Agriculture Teachers Conference- Virtual  |
| 2019 | Small Producers Conference- San Marcos, TX. |
| 2019 | Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi  |
| 2019 | Illinois Association of Vocation Agriculture Teachers Conference- Decatur |
| 2019 | Illinois FFA Convention- Springfield, IL. |
| 2018 | IACCAI Annual Conference, Mattoon, IL |
| 2018 | Illinois Association of Vocation Agriculture Teachers Conference- Bloomington |
| 2018 | Illinois FFA Convention- Springfield, IL. |
| 2017 | IACCAI Annual Conference, Salem, IL.  |
| 2017 | Illinois Association of Vocation Agriculture Teachers Conference- Bloomington |
| 2017 | Illinois FFA Convention- Springfield, IL. |
| 2016 | Iowa FFA Convention- Ames, IA. |
| 2015 | Iowa Association of Agricultural teachers Conference- Ankeny, IA. |
| 2015 | Iowa Career & Technical Education Conference- Ankeny, IA. |
| 2015 | Iowa FFA Convention- Ames, IA. |
| 2014 | Iowa Association of Agricultural teachers Conference- Ankeny, IA. |
| 2014 | Iowa FFA Convention- Ames, IA. |
| 2013 | Iowa Association of Agricultural teachers Conference- Ankeny, IA. |
| 2013 | Iowa Career & Technical Education Conference- Ankeny, IA. |
| 2013 | Iowa FFA Convention- Ames, IA. |
| 2012 | Iowa Association of Agricultural teachers Conference- Ankeny, IA. |
| 2012 | Iowa FFA Convention- Ames, IA. |
| 2011 | Iowa Association of Agricultural teachers Conference- Ankeny, IA. |
| 2011 | Iowa FFA Convention- Des Moines, IA. |
| 2010 | Iowa Association of Agricultural teachers Conference- Ames/Ankeny, IA. |
| 2007 | Kentucky FFA Convention- Louisville, KY. |
| 2007  | Virginia FFA Convention- Blacksburg, VA. |
| 2006  | Virginia FFA Convention- Blacksburg, VA. **Honorary State Degree Recipient**  |
| 2005  | Virginia FFA Convention- Blacksburg, VA. |
| 2004  | Virginia FFA Convention- Blacksburg, VA. |
| 2002 | Illinois FFA Convention- Springfield, IL. |
| 2002 | Illinois Association of Vocation Agriculture Teachers Conference- Decatur, IL. |
| 2001 | Illinois FFA Convention- Springfield, IL. |
| 2001 | Illinois Association of Vocation Agriculture Teachers Conference- Decatur, IL. |
| 2000 | Illinois FFA Convention- Springfield, IL. |
| 2000 | Illinois Association of Vocation Agriculture Teachers Conference- Mt. Vernon, IL. |
| 1999 | Illinois Association of Vocation Agriculture Student Teachers Conference- Decatur, IL. |
| 1999 | Illinois Association of Vocation Agriculture Pre-service Teachers Workshop- Bloomington, IL. - **Chairman** |
| 1998 | Illinois Association of Vocation Agriculture Student Teachers Conference- Decatur, IL. |

**INDUSTRY PROFESSIONAL DEVELOPMENT WORKSHOPS**

|  |  |  |
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| Lincoln Electric Train the Trainer  | San Marcos, TX. | 2023 |
| Briggs and Stratton Small Engine School | San Marcos, TX.  | 2023 |
| Score like the ScanMan!  | College Station, TX. | 2023 |
| Curriculum for Agricultural Science Education (CASE)- Technical Applications in Agriculture  | San Marcos, TX. | 2023 |
| The Strength Within: Activating Community Cultural Wealth to Increase Success for Students of Color in STEM Disciplines | San Marcos, TX. | 2023 |
| Lincoln Electric Train the Trainer  | San Marcos, TX. | 2022 |
| Briggs and Stratton Small Engine School | San Marcos, TX.  | 2022 |
| Torchmate Computer Aided Design Workshop | San Marcos, TX.  | 2022 |
| Briggs and Stratton Fuel Injection School | Oklahoma City, OK | 2022 |
| Lincoln Electric- United States Economic Development Administration American Rescue Plan Act Funding Opportunities | Virtual | 2021 |
| Curriculum for Agricultural Science Education (CASE)- Agricultural Business Foundations (2021) | Virtual | 2021 |
| Curriculum for Agricultural Science Education (CASE)- Foundations (2021) | Virtual | 2021 |
| Lincoln Electric Train the Trainer  | San Marcos, TX. | 2021 |
| Briggs and Stratton Small Engine School | San Marcos, TX.  | 2021 |
| Irrigation Association Horticulture Faculty Academy | Virtual | 2021 |
| Irrigation Association Agriculture Faculty Academy | Virtual | 2021 |
| Makerbot 3D Printing | Virtual | 2021 |
| Lincoln Electric REALWELD Customer training | Virtual | 2021 |
| Lincoln Electric VRTEX Customer training | Virtual | 2021 |
| Irrigation Association Horticulture Faculty Academy | Virtual | 2020 |
| Irrigation Association Agriculture Faculty Academy | Virtual | 2020 |
| Briggs and Stratton Fuel Injection School | Dixon, IL. | 2019 |
| Briggs and Stratton Small Engine School | Dixon, IL.  | 2019 |
| Irrigation Association Agriculture Faculty Academy | San Luis Obispo, CA. | 2019 |
| Briggs and Stratton Fuel Injection School | Dixon, IL. | 2018 |
| Briggs and Stratton Small Engine School | Dixon, IL.  | 2018 |
| Irrigation Association Horticulture Faculty Academy | Westminster, CO.  | 2018 |
| Irrigation Association Agriculture Faculty Academy  | Grand Island, NE.  | 2017 |
| RJ O’Brian Broker Training  | Chicago, IL.  | 2017 |
| Advanced Torchmate Training | Ames, IA. | 2016 |
| Greenfield Industries- Tap & Die School | Seneca, SC.  | 2015 |
| Introduction to Torchmate and CAD | Ames. IA | 2015 |
| Stihl 2-Cycle Training | Virginia Beach, VA. | 2014 |
| Briggs and Stratton Small Engine School | Ames, IA. | 2014 |
| Briggs and Stratton Small Engine School | Ames, IA | 2013 |
| Stihl 2-Cycle Training | Virginia Beach, VA. | 2012 |
| Briggs and Stratton Small Engine School | Ames, IA | 2012 |
| Lincoln Electric Welding School | Cleveland, OH. | 2012 |

**GRANT PROPOSALS**

**Texas State University- In Review**

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| --- | --- | --- |
| Engaging Underrepresented Students in the Agricultural Education Three-Circle Model. USDA NIFA-HSI Education Grants Program. **PI-Anderson** | $275,000 | 2023 |
| Empowering Agricultural Mechanics Education, Recruitment, and Research (ER2). USDA-NIFA-NLGCA **PI: Anderson, R.** | $150,000 | 2023 |
| Soil Health Monitoring for Regenerative Agriculture. Sony Research Award Program. PI- Emami, **CO-PI Anderson**, **R**. | $99,970 | 2023 |
| Providing an Agricultural Power and Technology Institute for beginning teachers. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson** | $500,000 | 2023 |
| Enhancing Students’ Precision Agriculture Literacy: Development and Evaluation of Educational Curriculum. USDA-NIFA-HEC. PI- Byrd, **CO-PI Anderson**, **R**. | $300,000 | 2023 |

**Texas State University- Funded** (\* represents student mentee as primary author)

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| --- | --- | --- |
| **W**omen **A**nd **M**inorities in **Weld**ing- WAM Weld. USDA-NIFA-WAMS. **PI-Anderson.** Funded. | $200,000 | 2023 |
| Providing a Small Gas Engine CASE Institute for beginning teachers. USDA-NIFA-SPECA. **PI Anderson.** Funded. | $50,000 | 2023 |
| Machinery Management Laboratory Improvement. USDA-NIFA-NLGCA PI: Borges, B., **CO**-**PI: Anderson, R.** Funded. | $150,000 | 2023 |
| Curriculum for Agricultural Science Education (CASE) Agricultural Equipment Maintenance & Technology Institute Scholarship. CASE. **PI- Anderson**, R. Funded. | $2,000 | 2023 |
| Developing Texas Nursery & Landscape Curriculum. Texas Nursery & Landscape Association. **PI- Anderson**, R. Funded.  | $20,011 | 2023 |
| Evaluating Anxiety Level of Agricultural Mechanics Students during Heavy Equipment Operation. Office of Sponsored Programs- Texas State University. PI- Borges, **Co-PI- Anderson, R**. Funded.  | $25,000 | 2022 |
| Expand and Enhance the Agricultural Mechanics Program to Better Serve a Growing Program. Wayne and JoAnn Moore Foundation. **PI-** **Anderson, R.** Funded. | $40,000 | 2022 |
| Sweat: Standardized Welding Education And Training. USDA-NIFA-HEC. PI- Borges, **CO-PI Anderson**, **R**. Funded | $750,000 | 2022 |
| Smart Farm Program. USDA NIFA-HSI Education Grants Program. PI- Khaleghian, M., CO **PI-Anderson, R.** Funded | $270,020 | 2022 |
| Creating an active learning classroom. Wayne and JoAnn Moore Foundation. PI- **Anderson, R.** Funded | $40,000 | 2021 |
| Using Virtual Reality to Determine Professional Development Needs of Beginning Welders. Texas State University Undergraduate Research Fellowship. Garza, L.\* & **Anderson, R.** Funded | $1,000 | 2021 |
| Determining the professional development needs of students using an Augmented Reality welding system. Texas State University Undergraduate Research Fellowship. Ramos, J.\* & **Anderson, R.** Funded | $1,000 | 2021 |
| Women of Welding Scholars. Texas State University College of Applied Arts Learning Community Grant. **PI-Anderson** Funded  | $5,000 | 2021 |
| Science, Technology, Engineering, Agriculture, & Mathematics: integrating scientific inquiry in curriculum for pre-service Agricultural Education teachers (STEAM-AGED). USDA NIFA-HSI Education Grants Program. PI- Drewery, **CO-PI-Anderson, R**. ***Funded*** | $275,000 | 2021 |
| WOW- Women of Welding. USDA NIFA WAMS. **PI-Anderson Funded** | $100,000 | 2021 |
| Promoting STEM-Based Careers in the welding industry through Virtual Reality-Based Training. The LBJ Institute for STEM Education and Research 2020 Excellence in Innovation award from The Honor Society of Phi Kappa Phi. **PI- Anderson, R. *Funded*** | $10,000 | 2020 |
| Connecting Students to STEM Careers and Emerging Technologies in Agriculture: Drone Operation and Application. The LBJ Institute for STEM Education and Research 2020 Excellence in Innovation award from The Honor Society of Phi Kappa Phi. **CO-PI- Anderson, R. *Funded*** | $10,000 | 2020 |
| Enhancing STEM skills through Metal Fabrication. USDA-NIFA-NLGCA **PI- Anderson, R. *Funded*** | $150,000 | 2020 |
| Assessing the Sequencing of Virtual Reality Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. **PI-Anderson**. ***Funded*** | $16,000 | 2020 |
| Establishing an Agricultural Mechanics Academy. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson**, Co PI- Morrish. ***Funded***  | $300,000 | 2020 |
| Nxt Gen Edu: Preparing Career and Technical Education Majors for Laboratory Management through Virtual Reality. Technology Innovation Office- Teaching and Learning Technology Innovation Grant Project. **PI-** **Anderson, R**. ***Funded***  | $4,926 | 2020 |
| Exposure, Experiential learning, and Extension: positioning underrepresented students for academic and professional success in agricultural sciences – 3eX-Ag. USDA-NIFA-HSI-006951 PI- Drewery, M., **CO-PI-** **Anderson, R**. ***Funded***  | $275,000 | 2020 |

\* Undergraduate students advised by Anderson

**Texas State University- Unfunded**

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| Empowering Agricultural Mechanics Education, Recruitment, and Research (ER2). USDA-NIFA-NLGCA **PI- Anderson, R.** *Unfunded* | $150,000 | 2023 |
| Southwest Agriculture and Food safety and security Education Through Youth recruitment and development (SAFETY): Preparing Future Leaders for a Safe and Secure U.S. Agriculture System USDA NIFA: From Learning to Leading: Cultivating the Next Generation of Diverse Food and Agriculture Professionals. PI Saucier, **CO-PI Anderson**. *Unfunded* | $10,000,000 | 2023 |
| Next Generation Agricultural Mechanics- Building Leaders through Experiential Learning. USDA NIFA: From Learning to Leading: Cultivating the Next Generation of Diverse Food and Agriculture Professionals. **PI Anderson.** *Unfunded* | $5,000,000 | 2023 |
| Assessing the Sequencing of Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. **PI-** **Anderson, R**. *Unfunded* | $16,000 | 2022 |
| Sweet- Standardizing Welding Education & Extension Training. USDA-NIFA-NLGCA **PI- Anderson, R**. *Resubmission Unfunded* | $750,000 | 2021 |
| Machinery Management Laboratory Improvement. USDA-NIFA-NLGCA PI: Borges, B., **CO**-**PI: Anderson, R.** *Unfunded* | $150,000 | 2021 |
| Providing an Agricultural Power and Technology Institute for beginning teachers. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson.** Unfunded | $500,000 | 2021 |
| Sweat: Standardized Welding Education And Training. USDA-NIFA-HEC. PI- Borges, **CO-PI Anderson**, Unfunded.  | $750,000 | 2021 |
| Texas State Food & Agriculture Service-Learning Program. USDA-NIFA-SPECA. **CO-PI Anderson**, *Unfunded* | $300,000 | 2021 |
| Project Educar: Developing inclusive agricultural educators for Latino communities. USDA NIFA-HSI Education Grants Program. **PI-Anderson**, **R**. *Unfunded* | $1,000,000 | 2021 |
| Preparing students to use Computer Aided Design software and Computer Numerical Control (CNC) operations with Torchmate Plasma Cutting Systems. San Antonio Livestock Exposition Grant. PI- **Anderson, R**. *Unfunded* | $28,000 | 2020 |
| Sweet- Standardizing Welding Education & Extension Training. USDA-NIFA-NLGCA **PI- Anderson, R**. *Unfunded*  | $750,000 | 2020 |
| Improving Online CTE through Communities and Coalitions of Practice. ECMC Foundation: Improving Online Postsecondary Career and Technical Education. **CO-PI-Anderson**. *Unfunded* | $2,500,000 | 2020 |
| Supporting Career and Technical Education Teachers in Developing And Implementing Authentic Learning Experiences for Remote Learners. ECMC Foundation: Improving Online Postsecondary Career and Technical Education. **PI-Anderson**. *Unfunded* | $2,499,979 | 2020 |
| Supporting School-Based Agricultural Educators In Developing And Implementing Authentic Learning Experiences At A Time Of Social Distancing. USDA- NIFA-AFRI-EWD Rapid Response to Novel Coronavirus (SARS-COV-2): Innovating Formal and Non-Formal Educational Experiences in Food and Agricultural Sciences During the Time of Social Distancing program. **PI-Anderson.** *Unfunded* | $2,999,996 | 2020 |
| Virtual Reality Technologies to Enhance Post-Secondary STEM Research and Education. DoD Research and Education Program for HBCU/MI Equipment/Instrumentation. **PI-Anderson.** *Unfunded* | $599,986 | 2020 |
| Identifying the effects of virtual augmented instruction on the teaching and learning of welding. USDA-AFRI-EPG-10.519. **PI-** **Anderson, R**. *Unfunded*  | $52,500 | 2020 |
| Generating the 21st Century Scientific Workforce with a Multi-State Educational Pipeline. USDA-NIFA-HSI-006951 **PI-** **Anderson, R**. *Unfunded* | $1,000,000 | 2020 |
| Assessing the Sequencing of Virtual Reality Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. PI- **Anderson, R**. *Unfunded* | $8,000 | 2019 |
| Identifying the Effects of Virtual Reality in Welding. San Antonio Livestock Exposition Grant. PI- **Anderson, R**. *Unfunded*  | $51,000 | 2019 |

**Sauk Valley Community College**

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| --- | --- | --- |
| Hypertherm Spark Something Great- Equipment & Curriculum *Unfunded* | $3,000 | 2018 |
| Project iCRUSH: Improving Career Readiness of Underrepresented Students at HSIs. USDA-HSI Grant Program. *Unfunded,* PI- M. Swafford, Co-PI **Anderson, R.**  | $250,000 | 2018 |
| TI2ERS: Team-based Instruction to Improve Education and Retention in STEM.  National Science Foundation, PI- M. Swafford, Co-PI **Anderson, R.** *Unfunded* | $249,890.74 | 2018 |
| AgEd-online@svcc.edu: Creating an online Agricultural Education Career Pathway for Secondary students. Illinois Community College Board. PI- **Anderson, R**. *Unfunded* | $50,000 | 2017 |
| Managing soil health with mobile soil testing. Illinois Farm Bureau Nutrient Stewardship Grant. PI- **Anderson, R. Funded** | $24,495 | 2017 |
| Increasing College Access to Underrepresented Students through Dual Enrollment. USDA-HEC Grant Program. **Funded**, PI- M. Swafford **Anderson’s** role- External Evaluator  | 149,137 | 2017 |

**Iowa State University**

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| Utilizing the Miller Electric LiveArc Welding Performance Management System to Teach and Reinforce STEM-based Technical Content. Iowa State University Computational Advisory Committee. Wells, T\*. & **Anderson, R. Funded**  | $51,000 | 2017 |
| Utilizing Torchmate Plasma Cutting Systems to Teach and Reinforce STEM-based Technical Content. Iowa State University Computational Advisory Committee. Wells, T\*. & **Anderson, R. Funded** | $42,428.00 | 2017 |
| Cyber Science 3D. Iowa State University Techstarter. Frutchey, R\*., Rasty, J\*., McCubbins, OP\*., & **Anderson, R**. **Funded** | $6,275 | 2015 |
| Integrating 3D printing into agricultural mechanics courses to enhance the STEM initiative. Iowa State University Techstarter. **Anderson, R**., Rasty, J\*. McCubbins, OP\*. & Frutchey, R\*. *Unfunded* | $17,000 | 2015 |
| Torchmate Plama tables. Iowa State University Techstarter. Rasty, J\*. **Anderson, R**., Frutchey, R\*. & McCubbins, OP\*. **Funded** | $40,000 | 2015 |
| Stratasys Mojo 3D Printing. Iowa State University Techstarter. McCubbins, OP\*, Frutchey, R\*. **Anderson, R**., & Rasty, J\*. *Unfunded* | $9,500 | 2015 |
| Noise Exposure In An Agricultural Mechanics Laboratory While Students are Welding. Great Plains Center for Agricultural Health. **Anderson, R**. *Unfunded*  | $20,000 | 2015 |
| Evaluating welding performance with the use of guideWELD and guideWELD LIVE welding simulators. RealityWorks. **Anderson, R**. *Unfunded* | $106,050 | 2015 |
| BP4: Building on Partnerships, Projects, Purpose, and Professional Development to improve instruction and increase the number of students in the agricultural workforce. USDA-NIFA-SPECA. Paulsen, T. H., **Anderson, R. G**., & Sundararajan, S. **Funded** | $297,664($68,236 as Co-PI) | 2014 |
| Preparing Students to Engage in Agriculturally-based Sustainable Energy Practices: A Plan for Curriculum Development in Secondary School Agricultural Education Programs. USDA-NIFA-SPECA. Shoulders, K., Johnson, D., Edgar, D., Lawver, D., Franklin, E., & **Anderson, R**. *unfunded* | $31,743 | 2013 |
| Water Rocks! Phase II Expansion for Secondary Students and Instructors. Comito, J., Staudt, A., **Anderson, R.** *unfunded* | $49,969 | 2013 |
| Iowa State University--Water Rocks! Expansion project: Rock Your Watershed! And Geocaching. Comito, J., Staudt, A., **Anderson, R.** *Unfunded* | $288,795 | 2012 |
| Reinforcing the STEM initiative through the Virtual Welding Roadshow- VPEO Strategic Initiatives Proposal. **Anderson, R**. & Paulsen, T. *Unfunded*  | $209,342 | 2012 |
| Water Rocks! Phase II – Expansion of Programming for K-12 Teachers, Peer Mentors, and Extension Youth Specialists- VPEO Strategic Initiatives Proposal. Comito, J., Staudt, A., **Anderson, R**, et al. *Unfunded* | $232,486 | 2012 |
| Revitalizing the Planning, Organizing, and Teaching Agricultural Mechanics Textbook. Iowa State University Publication Subvention Grant Proposal. Anderson, R. **Partially Funded**  | $1,300 | 2012 |
| John Deere Community Grant- ISU Agricultural Mechanics Laboratory. **Anderson, R**. *Unfunded* | $5,500 | 2012 |
| National Science Foundation Grant- STEM-Enhanced Bio-Fuel Demonstration Units. Franklin, E., Lawver, D., Edgar, D., **Anderson, R**. & Rosencrans, C.*Unfunded* | $299,980 | 2012 |
| NIFA/USDA Grant- Impacting STEM Instruction in Agricultural Education through the Integration of Sustainable Energy in Higher Education Instruction. Lawver, D., Ulmer, J., **Anderson, R.,** Edgar, D., & Franklin, E. *Unfunded* | $300,000($60,000 as Co-PI) | 2012 |
| USDA HEC Grant- Mobile Biofuel Testing Demonstration Projects: A strategic planning conference. *Unfunded* | $28,194.38 | 2012 |
| National Science Foundation Grant- Water Rocks! Staudt, A., Comito, J. & **Anderson, R.** Co-PI’s. *Unfunded* | $2,500,000 | 2011 |
| Iowa State University Center for Excellence in Learning and Teaching (CELT) TEACH Grant- Cross Cultural Engagement: A Path to Multicultural Teaching & Learning in Agriculture. **R. Anderson,** P.I. **Funded**  | $2,000 | 2011 |
| Vermeer Manufacturing Community Development Grant- Developing entrepreneurship practices in agricultural mechanization laboratories utilizing a PlasmaCam. **Ryan Anderson,** P.I. *Unfunded* | $14,800 | 2011 |
| CALS Technology Advancement - Revolutionizing the Teaching and Learning of Welding Fundamentals through the Integration of Virtual Simulation. **Ryan Anderson,** Gaylan Scofield, Wade Miller. **Funded** | $47,313 | 2011 |
| NSF Grant- Biocomplexity of Enhancing Ecosystem Services *Unfunded* | $1,491,997 | 2010 |

\* Graduate students advised by Anderson

**Murray State University**

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| USDA Challenge Grant- Exp. Learning in International Ag. *Unfunded* | $150,000 | 2008 |
| CTLT Faculty Development Mini-grant **Funded** | $1000 | 2007 |
| School of Agriculture Mini-grant **Funded** | $1000 | 2007 |
| CTLT Faculty Development Mini-grant **Funded** | $500 | 2007 |
| CTLT Faculty Development Mini-grant **Funded** | $1000 | 2007 |
| CTLT Faculty Development Mini-grant **Funded** | $1000 | 2006 |

**Virginia Tech**

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| Rufus Beamer Professional Development Award **Funded** | $150 | 2006 |
| Rufus Beamer Professional Development Award **Funded** | $500 | 2005 |

**Texas A&M-Commerce**

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| Agricultural science teachers’ attitudes toward and adoption of information technology. Houston Livestock Show and Rodeo. Williams, R. & **Anderson R.** **Funded** | $1500 | 2003 |

**Secondary Education**

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| --- | --- | --- |
| Illinois Soil and Water Conservation District Greenhouse applications | $4000 | 2002 |
| Facilitating Coordinators in Agricultural Education Incentive funding grant | $3800 | 2002 |
| Facilitating Coordinators in Agricultural Education Incentive funding grant | $3200 | 2001 |

**DONATIONS/IN-KIND GIFTS**

**Texas State University ($157,400)**

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| Boehler- Welding Helmets (40) | $4,800 | 2022 |
| Curriculum for Agricultural Sciences (CASE)- TAA equipment  | $20,000 | 2023 |
| Tab & Slot- Metal Coupons | $7,300 | 2022 |
| Boehler- Welding Helmets (60) | $7,200 | 2022 |
| Lincoln Electric- RealWeld Training System | $65,300 | 2021 |
| Matheson Gas- Heavy duty cutting & heating outfits  | $1,300 | 2020 |
| Briggs & Stratton- Small Engines  | $50,000 | 2019 |
| Stihl- Carburetors  | $1,500 | 2019 |

**Sauk Valley Community College ($104,082)**

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| --- | --- | --- |
| Pioneer Seed- Corn Seed (Brinton Property) 56 bags | $5,600 | 2019 |
| Cornelius Seed- Corn (Sauk Property) 10 bags | $1,000 | 2019 |
| DEKALB ASGROW Seed- Soybeans (Sauk Property) 10 bags | $1,000 | 2019 |
| Briggs and Stratton- Small Engines | $34,000 | 2018 |
| Pioneer Seed- High Tunnel Greenhouse  | $1,500 | 2018 |
| Culver’s- Auger cart  | $8,000 | 2018 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $14,300 | 2018 |
| Power Tool Safety Institute- 25 Educational packets | $500 | 2018 |
| G-W Publishers- Textbooks | $3100 | 2018 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $700 | 2018 |
| ATP Publishers- Agricultural Mechanics Textbooks | $7,616 | 2018 |
| Pioneer Seed- Soybean Seed (Brinton Property) 56 bags | $5,600 | 2018 |
| Munson Hybrids (Sauk Property) 10 bags | $1,000 | 2018 |
| Kohler Small Gas Engines  | $6,000 | 2018 |
| Tab & Slot- Metal Coupons  | $6,750 | 2018 |
| Design Technology, Inc.- Small engine tools | $1,300 | 2017 |
| G-W Publishers- Textbooks | $816 | 2017 |
| Irrometer- Soil water testing equipment  | $1500 | 2017 |
| 360 Yield Center- SoilScan  | $3800 | 2017 |

**Iowa State University ($1,372,313.20)**

|  |  |  |
| --- | --- | --- |
| Kohler- Engines | $6,000 | 2016 |
| Lemar Steel- Welding metal | $4,000 | 2016 |
| Tab & Slot- Metal Coupons | $7,300 | 2016 |
| Milwaukee Tools- Hand tools | $250 | 2016 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $14,300 | 2016 |
| ATP Publishers- Small Engine Textbooks | $7,260 | 2016 |
| Hypertherm- Equipment & Curriculum | $2,739 | 2015 |
| Hobart- Welding Consumables | $2,800 | 2015 |
| Honda- Small Engines | $7,250 | 2015 |
| Milwaukee Tools- Hand tools | $3,125 | 2015 |
| Case International- Tractor  | $5,000 | 2015 |
| Lincoln Electric- Curriculum | $42,984 | 2015 |
| Lemar Steel- Welding metal | $4,000 | 2015 |
| Lincoln Electric- Career Development Event prizes | $3,100 | 2015 |
| ATP Publishers- Residential Wiring Textbooks | $1,272 | 2015 |
| Delmar Cengage Publishers- Agricultural Mechanics Textbooks | $4,272 | 2015 |
| Power Tool Safety Institute- 250 Educational packets | $5,000 | 2015 |
| ATP Publishers- Agricultural Mechanics Textbooks | $3,125 | 2015 |
| ATP Publishers- Small Engine Textbooks | $7,260 | 2015 |
| G-W Publishers- Small Engine Textbooks | $22,795.20 | 2015 |
| John Deere- Engines | $45,000 | 2015 |
| Briggs and Stratton- Engines for Iowa Teachers | $372,000 | 2014 |
| Lincoln Electric- Career Development Event prizes | $3,100 | 2014 |
| Lemar Steel- Welding metal | $4,000 | 2014 |
| Miller Welding- Consumables (Mig & Stick)  | $3,040 | 2014 |
| Lincoln Electric- Career Development Event prizes | $3,100 | 2013 |
| Kohler- Engines | $6,000 | 2013 |
| Lemar Steel- Welding metal | $4,000 | 2013 |
| Lincoln Electric- Career Development Event prizes | $3,100 | 2012 |
| Lincoln Electric- Curriculum | $42,984 | 2012 |
| Lemar Steel- Welding metal | $4,000 | 2012 |
| Lincoln Electric- Virtual Welder Contest prizes  | $3,456 | 2012 |
| Briggs and Stratton- Small Engines | $485,959 | 2011 |
| Miller Welding- Consumables (Mig & Stick) | $3,040 | 2011 |
| ESAB- Oxy-Acetylene torch kits | $9,593 | 2011 |
| Medart Engines- Small engines | $5,822 | 2011 |
| Lemar Steel- Welding metal | $4,000 | 2011 |
| Lincoln Electric- Laboratory equipment | $45,845 | 2011 |
| Miller Welding- In-Kind contribution for Air Ventilation system | $41,798 | 2011 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $14,300 | 2011 |
| Power Tool Safety Institute- 250 Educational packets | $5,000 | 2011 |
| Miller Welding- 12 Multi-process welders | $109,344 | 2010 |

**Murray State University ($44,550)**

|  |  |  |
| --- | --- | --- |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $6,050 | 2010 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $5,000 | 2009 |
| ESAB Welding- Cutting Torches | $7,500 | 2010 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $6,500 | 2008 |
| Briggs and Stratton- Small Engines, Tools, & Educational Materials | $19,500 | 2007 |

**REFEREED JOURNAL ARTICLES- IN REVIEW**

(17) **Anderson, R**., Paulsen, T., & Mills, D. (In Review). Are Selection Processes Allowing

Talent Diverse Members To Move Through The Leadership Ranks Of FFA? *The CTE Journal.*

(16) **Anderson, R**., Paulsen, T., & Sperfslage, A. (In Review). School-Based Agricultural

Education Teachers’ Importance to Teach Agricultural Mechanics: A Gender Comparison. *The CTE Journal.*

(15) Ramos, J., **Anderson, R.,** Borges, B., & Swafford, M. (2022). Identifying the relationship

between augmented reality welding instruction and welding performance. *Journal of Agricultural Education.*

(14) Heibel, B., Boyer, H., Tasci, K., & **Anderson, R**. (In Review). Youth Leadership

Development: A Synthesis of Literature. *Journal of Leadership Education.*

(13) Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (In Review).Assessing the Effects of

Virtual Cue Implementation in Virtual Reality Welding Training. *Journal of Agricultural*

*Education.*

(12) Blanton, E., **Anderson, R**., & Drewery, M. (In Review). Service-Learning Outreach to

Increase High School Students’ Knowledge and Interest in Agriculture. *The North American College Teachers of Agriculture Journal.*

(11) Heibel, B, **Anderson, R**., Swafford, M., & Borges, B. (In Review). Integrating Virtual

Reality Technology into Beginning Welder Training Sequences. *Journal of Agricultural*

*Education..*

(10) 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.*

(9) Anderson, K., **Anderson, R. G.,** & Byrd, 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.*

(8) Gent, N., **Anderson, R.,** & Paulsen, T. (In Review). The Relationship of Quality and

Quantity of Post-Secondary Agricultural Mechanics Training of Agricultural Education Teachers. *Career and Technical Education Research Journal.*

(7) 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.*

(5) Rasty, J., & **Anderson, R.** (In Review). The Importance of Agricultural Mechanics Skills

Training: Implications for Agricultural Education. *Career and Technical Education Research Journal.*

(5) Haynes, J.C., **Anderson, R.,** Byrd, P. & McCubbins, O. (In Review). Determining the

Teaching Resources Needed for an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory: A Delphi Approach. *Career and Technical Education Research Journal.*

(4) McCubbins, O., Paulsen, T., & **Anderson, R**. (In Review).Examining Student Collaboration

after Adopting Team-Based Learning in an Undergraduate Capstone Course. *The North American College Teachers of Agriculture Journal.*

(3) Byrd, A., **Anderson, R**., & Paulsen, T. (In Review). Gender Influences in Agricultural

Education Teachers Competence to Teach Agricultural Mechanics*. Journal of Agricultural Education.*

(2) Byrd, A., Stone, R., & **Anderson, R**. (In Review). Reducing Beginning Welders' Anxiety

By Integrating Virtual Reality Simulations.*Career and Technical Education Research Journal.*

(1) **Anderson, R.** & Williams, R. (In Review). Gender Differences Among Agricultural

Science Teachers’ Attitudes toward Information Technology. *Journal of Career and Technical Education.*

**REFEREED JOURNAL ARTICLES- IN PRESS**

(1) Figland, W., **Anderson, R**. & Swafford, M. (In Press). Agricultural Mechanics Skills

Possessed by Post-Secondary Students Prior to Enrolling In an Agricultural Mechanics Teaching Methods Course *Journal of Agricultural Systems, Management and Technology.*

(2) Anderson, K., **Anderson, R. G**., & Swafford, M. (In Press). Effects of a Professional

Development Workshop on Career and Technical Education Teachers’ Perceptions of Teach Two-Stroke Engine Repair Skills: A Preliminary Study. *Journal of Agricultural Systems, Management and Technology.*

(3) **Anderson, R**., & Paulsen, T. (In Press). *Comparison of Teacher Competence in Agricultural*

*Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. *Journal of Agricultural Systems, Management and Technology.*

(4) Trickett, L., Byrd, A.P., **Anderson, R.,** & Haynes, J.C. (In Press). Preparing Pre-service

Agricultural Education Teachers to Teach Agricultural Mechanics: Are We Doing Enough? *Journal of Agricultural Education.*

(5) Heibel, B, **Anderson, R**., & Drewery, M. (In Press). Virtual reality in welding training

and education: A literature review. *Journal of Agricultural Education.*

**REFEREED JOURNAL ARTICLES**

(54) Anderson, R., Paulsen, T. H., & Franker, B. (2023). Teaching the Teacher: Teacher

Perceptions of the Amount of Agricultural Mechanics Instruction Received as School-Based Agricultural Education Students.*The CTE Journal. 11*(1). 1-15.

(53) Row, Z.C., Drewery, M. L., **Anderson, R.G**., & Russo, C.M. (2022). Challenges and

Opportunities faced by Veterinary Technicians in the Workplace during COVID-19.

*Frontiers in Veterinary Scie. 9:831127. 1-7. https://doi.org/10.3389/fvets.2022.831127*

(52) Garza, G., Drewery, M. L., & **Anderson, R.G**. (2022). Online teaching workshops and

conferences: a COVID-19 survey on faculty teaching agricultural sciences. *The North American College Teachers of Agriculture Journal,* 66. 19-25.

(51) Kornegay, K., Drewery, M., & **Anderson, R**. (2022). Effect of Covid-19 on Faculty

Participation in Teacher Training. *The North American College Teachers of Agriculture Journal, 66. 1-8.*

(50) Tasci, K., Drewery, M. & **Anderson, R**. (2021). Changes in Academic Rigor and

Faculty Perception of Student Learning in the Post-Secondary Classroom During COVID-19. *The North American College Teachers of Agriculture Journal, 65.* 526-534.

(49) Catalan, E., Drewery, M., **Anderson, R.,** & Sudhakaran, P. (2021). Learning Management

Software (LMS) for Teaching Agricultural Science: The Role of Age in Faculty’s Adoption Before and During Covid-19. *The North American College Teachers of Agriculture Journal, 65.* 442- 454*.*

(48) Swafford, M., & **Anderson, R**. (2021). The Need for Cognition and Self-Regulated

Learning in Online Environments. *The CTE Journal.* *9*(2). 17-23.

(47) Swafford, M., & **Anderson, R.** (2021). Exploring Precursor Variables Related to Help-

Seeking in Online Learning Environments. *The CTE Journal.* *9*(2). 39-45.

(46) Swafford, M., & **Anderson, R.** (2021). Self-Career Promotion Behaviors of School-

Based Agricultural Education Teachers. *The CTE Journal.*

*9*(2). 17-23.

(45) Swafford, M., & **Anderson, R.** (2021). American Indian Students’ Attitudes toward

Agriculture as a College Major. *The CTE Journal.* *9*(2). 2-7.

(44) **Anderson, R.** & Swafford, M. (2021). Perceptions of Administrators in Kentucky

Secondary Schools Regarding Agriculture and Mathematics, Teaching Integrated Mathematics and Meeting State Standards. *The CTE Journal, 9*(1). 1-12.

(43) **Anderson, R.** & Swafford, M. (2021). Administrators View of Mathematics Integration in

the Agricultural Education Programs. *The CTE Journal, 9*(1). 1-11.

(42) Tasci, K., Drewery, M., **Anderson, R.,** & Swafford, M. (2021). Adoption of Software in the

Post-Secondary Agricultural Classroom as a Result of the COVID-19 Pandemic. *North American College Teachers of Agriculture Journal. 44-54*

(41) Carrasco, M., Drewery, M., **Anderson, R**., & Swafford, M. (2021). Adoption of

Technology and Social Media in the Post-Secondary Agricultural Classroom Before and as a Result of COVID-19. *North American College Teachers of Agriculture Journal. 56-66.*

(40) Clark, T., **Anderson, R.,** & Paulsen, T. (2021). Teacher Perceptions of the Quantity of

Agricultural Mechanics Preparation Received at the University Level. *Journal of Agricultural Education, 62*(1), 17-28. https://doi.org/10.5032/jae.2021.01017

(39) Swafford, M., & **Anderson, R**. (2020). Factors Related to Teaching Efficacy: Examining

the Environment. *The CTE Journal, (8)*2*.* 1-15

(38) Swafford, M., & **Anderson, R**. (2020). Promoting School-Based Agricultural Education as

a Career: Teacher Perceptions and Behaviors. *The CTE Journal, (8)*2. 16-22.

(37) McCubbins, O., Paulsen, T., & **Anderson, R**. (2020). An Exploration of Student

Collaboration Networks in a Team-Based Capstone Course. *Journal of Agricultural Education.* *61*(3), 38-59. https://doi.org/10.5032/jae.2020.03038

(36) Swafford, M. & **Anderson, R**. (2020) Addressing the Gender Gap: Women’s Perceived

Barriers to Pursuing STEM Careers. *Journal of Research in Technical Careers. 4*(1) 61- 74. *https://doi.org/10.9741/2578-2118.1070*

(35) Byrd, A. P., Saucier, P. R., & **Anderson, R. G.** (2019). Laboratory Management Needs of

Iowa School-Based Agricultural Mechanics Teachers*.* *Career and Technical Education Research Journal, 44*(3) 37-52. *DOI: 10.5328/cter44.3.37*

(34) Mills, D., **Anderson, R.,** & Paulsen, T. (2019). Does the Quantity of Agricultural

Mechanics Training Received As Secondary Students Affect Teacher Competence. *Journal of Agricultural Systems, Management and Technology, 30*(1) 10-21.

 (33) McCubbins, Paulsen, T., & **Anderson, R.** (2019). Conceptualizing the Integration of

Team-Based Learning into a Capstone Farm Management Course: Advice from Larry Michaelsen. *North American College Teachers of Agriculture Journal, 63*(1) 311-318.

**Jack Everly Outstanding Journal Award**

(32) Anderson, K., **Anderson, R. G.,** & Swafford, M. (2018).Effects of a Professional

Development Session on Career and Technical Education Teachers’ Perceptions of Two-Stroke Engine Inspection and Testing: A Preliminary Study. *Career and Technical Education Research Journal, 43*(3) 259-274*.* *https://doi.org/10.5328/cter43.3.259*

(31) **Anderson, R. G**. & Anderson, K. (2018). Career and technical education teachers’ tool

and equipment availability related to the teaching and learning of two-stroke engines content: A preliminary study. *Career and Technical Education Research Journal, 43*(3) 213-226*.* *https://doi.org/10.5328/cter43.3.213*

(30) Byrd, A., Stone, R., & **Anderson, R**. (2018). Dexterity: An Indicator of Future

Performance in Beginning Welders? *Career and Technical Education Research Journal, 43*(2) 195-212. https://doi.org/10.5328/cter43.2.195

(29) Imhoff, A., & **Anderson, R.** (2018). The Utilization of an Alternative Welding Consumable

Management Strategy in a School-based Agricultural Mechanics Course: A Preliminary Quasi-Experimental Study. *The CTE Journal, 6*(1) 1-14.

 (28) McCubbins, O., Paulsen, T., & **Anderson, R**. (2018). Student Engagement in a Team-

Based Capstone Course: A Comparison of What Students Do and What Instructors Value. *Journal of Research in Technical Careers,* *2*(1),8-21. *https://doi.org/10.9741/2578-2118.1029*

(27) Alston, A., **Anderson, R.,** English, C.W., & Wakefield, D. (2018) Employability Skills

and Trends in Outdoor Power and Equipment. *Journal of Research in Technical Careers,* *2*(1), 22-31. *https://doi.org/10.9741/2578-2118.1021*

(26) McCubbins, O., Paulsen, T., & **Anderson, R**. (2018). Examining Student Perceptions of

their Experience in a TBL Formatted Capstone Course. *Journal of Agricultural Education, 59*(1), 135-152. https://doi.org/10.5032/jae.2018.01135

(25) Rasty, J., & **Anderson, R.** (2017). A Cross-sectional Analysis of the Importance of

Agricultural Mechanics Skills Taught. *Career and Technical Education Research Journal, 42*(2), 103-116. https://doi.org/10.5328/cter42.2.103

(24) McCubbins, O., Wells, T., **Anderson, R**. & Paulsen, T. (2017). Examining the Relationship

Between the Perceived Adequacy of Tools and Equipment and the Perceived Competency to Teach Agricultural Mechanics. *Journal of Agricultural Education, 58*(2), 268-283. *https://doi.org/10.5032/jae.2017.02268*

(23) Rasty, J., **Anderson, R.,** & Paulsen, T. (2017). Does the Quantity of Agricultural

Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills? *Journal of Agricultural Education*, *58*(1), 36-53. *https://doi.org/10.5032/jae.2017.01036.*

(22) McCubbins, O., **Anderson, R**., Paulsen, T. & Wells, T. (2016). Teacher-perceived

Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics. *Journal of Agricultural Education, 57(3), 223-236. doi: 10.5032/jae.2016.03223*

(21) McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). Student perceptions

concerning their experience in a flipped undergraduate capstone course. *Journal of Agricultural Education, 57(3), 70-86. doi: 10.5032/jae.2016.03070*

(20) Paulsen, T. H., Clark, T., **Anderson, R**. (2016). Utilizing the tuning protocol to generate

peer feedback during student teaching lesson plan development. *Journal of Agricultural Education, 57*(3), 18-32. doi: 10.5032/jae.2016.03018

(19) Byrd, A., Stone, R., **Anderson, R**. & Woltjer, K. (2015). The Use of Virtual Welding

Simulators to Evaluate Experienced Welders. *Welding Journal, 94*(12), 389-395.

(18) Wells, T., Matthews, J., Caudle, L., Lunceford, C., Clement, B., & **Anderson, R**. (2015).

The infusion of inquiry-based learning into school-based agricultural education: A review of literature. *Journal of Agricultural Education. 56(4), 169-181. Doi: 10.5032/jae.2015.04170.*

(17) Paulsen, T., **Anderson, R.** & Tweeten, J. (2015). Concerns Expressed by Agricultural

Education Preservice Teachers in a Twitter-Based Electronic Community of Practice. *Journal of Agricultural Education, 56*(3), 210-226. doi: 10.5032/jae.2015.03210.

(16) Wells, T., Parr, B., & **Anderson, R.** (2015). Student Participants' Views of Mathematics

Content Representation within Selected [STATE] State FFA Career Development Events. *Journal of Agricultural Systems, Management and Technology*, *26*(1), 29-42.

(15) Wells, T., & **Anderson, R**. (2015). Kentucky Agricultural Education Teachers’ Self

-Reported Efforts to Integrate Mathematics Content within Secondary Agricultural Education Curricula: A Descriptive Survey Study. *Journal of Agricultural Systems, Management and Technology, 26*(1), 14-28.

(14) Byrd, A., **Anderson, R**., Paulsen, T., & Shultz, M. (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.2015.0100

(13) Byrd, A., **Anderson, R**., & Paulsen, T. (2015). Does Agricultural Mechanics Laboratory

Size Affect Agricultural Education Teachers’ Job Satisfaction? *Journal of Agricultural Education*, *56*(1), 6-19. doi: 10.5032/jae.2015.01020

(12) Shultz, M., **Anderson, R**., Shultz, A., & Paulsen, T. (2014). Importance and Capability of

Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators. *Journal of Agricultural Education,* 55(2), 48-65. doi: 10.5032/jae.2014.02048

(11) Saucier, R., Vincent, S., & **Anderson, R.** (2014). Agricultural Mechanics Laboratory

Safety: Professional Development Needs of Kentucky School-Based Agricultural Educators. *Journal of Agricultural Education,* 55(2), 184-200. doi: 10.5032/jae.2014.02184

(10) **Anderson, R.**, Velez, J., & Anderson, S. (2014).Examination of the Welding Safety Beliefs

of Postsecondary Agriculture Students. *Career and Technical Education Research Journal, 39(1) pp.9-22. doi:10.5328/cter39.1.*

(9)Wells, T., Perry, B., **Anderson, R.,** Shultz, M., & Paulsen, T. *(2013).* Does prior experience

In secondary agricultural mechanics affect pre-service agricultural education teachers’ intentions to enroll in post-secondary agricultural mechanics coursework? *Journal of Agricultural Education, 54(4), 222-237. doi: 10.5032/jae.2013.04222*

(8) **Anderson, R.** & Driskill, D. (2012). Level of Mathematics Integration of Outstanding

Virginia Agricultural Educators. *Journal of Agricultural Systems, Management and Technology, 23(*2012) 56-68.

(7) **Anderson, R.** & Williams, R. (2012). Texas Agricultural Science Teachers’ Attitudes

Toward Information Technology*. Journal of Career and Technical Education, 27*(2) 57-68.

(6) **Anderson, R.** & Anderson, S. (2012). Emerging Themes in Integrating Mathematics into

Agricultural Education: A Qualitative Study of Star Teachers in Virginia. *Journal of Career and Technical Education, 27*(2) 8-19.

(5) Perry, D., Williams, R., & **Anderson, R**. (2012). Safety Conditions and Practices in

Secondary Agricultural Mechanics Programs. *Journal of Agricultural Systems, Management and Technology, 23*(2012) 45-55.

(4) **Anderson, R.** (2012).Attitudes Toward Mathematics Integration and Related Professional

Development Needs of Outstanding Agricultural Education Instructors.  *Journal of Career and Technical Education, 27*(1) 72-83.

(3) Cannon, J., Broyles, T., Seibel, G. & **Anderson, R.** (2009). Summer Enrichment Programs:

Providing Agricultural Literacy and Career Exploration to Gifted and Talented Students. *Journal of Agricultural Education, 50*(2) 26-37.doi: 10.5032/jae.2009.02026

(2) **Anderson, R.**, Williams, R., & Hillison, J. (2008). Self-Reported Level of Mathematics

Integration of Outstanding Virginia Agricultural Educators. *Southern Journal of Agricultural Education, 58*(1) 81-93.

(1) Swafford, M. & **Anderson, R.** (2007). A Two Decade Analysis of the Literature Cited in the

Journal of Agricultural Education. *Journal of Agricultural Education*, *48*(3), 37-45. doi: 10.5032/jae.2007.03037

**TEXTBOOKS**

Rockis, G., Franklin, E., & Anderson, R. (In Development). Electrical Applications in

Agriculture. American Technical Publishers, Orland Park, IL.

Koel, L., Mazur, G., Moniz, B., Radcliff, B. (2019). Agricultural Technical Systems and

Mechanics (2nd ed). Orland Park, IL. American Technical Publishers. Contributing Authors: Morton, C., Franklin, E., Scales, J., & **Anderson, R.**

**NON-PEER REVIEWED PUBLICATIONS**

**Anderson, R**. (2019). *Extreme Agricultural Mechanics Makeover*. NACTA Journal Teaching

Tips/Notes.

Anderson, S., & **Anderson, R.** (2019). *Utilizing industry experts to enhance the agricultural*

*mechanics instruction.* NACTA Journal Teaching Tips/Notes.

Byrd, P., & **Anderson, R**. (2019). *Graduate Student Entrepreneurship: Answering the*

*Professional Development Needs of Secondary Agricultural Education Teachers.* NACTA Journal Teaching Tips/Notes.

Byrd, P. & **Anderson, R**. (2019). *Green welding…utilizing the VRTEX 360 to reduce our*

 *carbon footprint.* NACTA Journal Teaching Tips/Notes.

Byrd, P. & **Anderson, R**. (2019). *Integrating Virtual Reality to Reduce Anxiety in*

 *Beginning Welders.* NACTA Journal Teaching Tips/Notes.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2019). *Big Brother is Watching… Utilizing*

*Split-Screen Technology to Enhance Teacher Efficacy.* NACTA Journal Teaching Tips/Notes.

Byrd, A., Stone, R., & **Anderson, R**. (2019). *Can Dexterity Predict Future Performance of*

*Novice Welders?* NACTA Journal Teaching Tips/Notes.

Caudle, L., Paulsen, T., & **Anderson, R**. (2019). *Public Service Announcement: Spreading*

 *Farm Safety Awareness Through The Use of the Mobile Application, Glide.* NACTA

 Journal Teaching Tips/Notes.

McCubbins, OP., **Anderson, R**., & Paulsen, T. (2019). *Enhancing Career Development*

*Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* NACTA Journal Teaching Tips/Notes.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2019). *The Sixth Sense: Developing an*

*Agricultural Mechanics Laboratory Awareness.* NACTA Journal Teaching Tips/Notes.

Rasty, J. & **Anderson, R.** (2019). Jerry Springer Moment. NACTA Journal Teaching

 Tips/Notes.

Rudolphi, J. & **Anderson, R.** (2019). *The Facebook Experience: Creating Small Engine*

*Parts Profiles to Increase Higher Order Thinking Skills*. NACTA Journal Teaching

Tips/Notes.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2019). *Reducing School Liability by*

 *Incorporating Brake Activation Devices on Woodworking Equipment.* NACTA Journal

 Teaching Tips/Notes.

Swafford, M., & **Anderson, R.** (2019). *Using RubiStar to Develop Agricultural Mechanics*

*Rubrics.* NACTA Journal Teaching Tips/Notes.

Wells, T. & **Anderson, R**. (2019). *Incorporating Experiential Learning Principles into a*

*Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* NACTA Journal Teaching Tips/Notes.

Wells, T. & **Anderson, R**. (2019). *Utilizing Authentic Assessment Strategies in a Methods*

*of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Laboratory Management Competencies.* NACTA Journal Teaching Tips/Notes.

Wells, T. & **Anderson, R**. (2019). *Utilizing Torchmate EDU Student Software to Introduce*

*Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.*

NACTA Journal Teaching Tips/Notes.

Wells, T., **Anderson, R**., Perry, D., & Byrd, P. (2019). *Utilizing the Agricultural Marketing*

*Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students.* NACTA Teaching Tips/Notes.

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).

McCubbins, O., **Anderson, R**., & Wells, T. (2018). Enhancing Agricultural Mechanics

Laboratory Awareness with Snapchat: A snapshot of Agricultural Mechanics Safety Concerns. NACTA Teaching Tips/Notes. *NACTA Journal 62*(2).

Rudolphi, J. & **Anderson, R**. (2018). Pin It! Using Pinterest in the Agricultural Mechanics

Laboratory. NACTA Teaching Tips/Notes. *NACTA Journal 62*(2).

McCubbins, OP, **Anderson, R.,** Frutchey, R., & Rasty, J. (2018) Team-based learning: A

professional development model for training the trainer. NACTA Teaching

Tips/Notes. *NACTA Journal 62*(2). **Bob Gough Top Teaching Tip Award.**

**Anderson, R.** (2014). Theme editor comments: The Role of Agricultural Mechanics in High

 School Agricultural Education. *The Agricultural Education Magazine*, *87*(4), 4, 6.

**Anderson, R.** (November, 2014). *Extreme Agricultural Mechanics Makeover: A Model for*

 *Revitalizing a Laboratory*. The Agricultural Education Magazine. 87(3), 5-6.

**Anderson, R., Buttles, T.,** DeLay, A., Park, T. D., Warnick, B. K., Townsend, C. D. (2007).

*Moving critical thinking research into the classroom: A review of related research and*

*translation to practice* (vol. 1). A white paper included in the Proceedings of the 2007

OMEGA Conference: Powerful Professional Growth, Indianapolis, IN.

**REFEREED PAPER PRESENTATIONS**

Ramos, J., Borges, B., & **Anderson, R.** (2023) *Identifying Teacher’s Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development*

*Workshop.* Western American Association for Agricultural Education Conference, Logan UT.

**Anderson, R.G.,** Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2023). *Identifying the*

*Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* American Society of Agricultural and Biological Engineers International Meeting. Omaha, NE.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2023).*Assessing the Effects of Virtual*

*Cue Implementation in Virtual Reality Welding Training.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Integrating Virtual Reality*

*Technology into Beginning Welder Training Sequence.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Hutson, K., **Anderson, R.,** Morrish, D. & Sykora, R. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy of Teachers’ Knowledge of Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Ramos, J., Borges, B., **Anderson, R.,** & Morrish, D., (2022). *Identifying the Tools and*

*Equipment Available to Teach Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Garza, L., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the training needs of*

*students using a the Realweld welding system.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Assessing the Effects of Cue*

*Implementation in Virtual Reality Welding Training.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Outstanding Paper Presentation**.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2022*). Effects of a Professional*

*Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

White, P.T., **Anderson, R.G.,** Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2022). *Perceptions of*

*Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Integrating Virtual Reality*

*Technology into Beginning Welder Training Sequence.* American Association for Agricultural Education Conference, Oklahoma City, OK

Heibel, B., Boyer, H., Tasci, K., & Anderson, R. (2022). *Youth Leadership Development: A*

*Synthesis of Literature*. American Association for Agricultural Education Conference, Oklahoma City, OK

Ramos, J., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Identifying the relationship*

*between augmented reality welding instruction and welding performance.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Haynes, J. C., Byrd, A. P., & **Anderson, R.G.** (2021). Revisiting the Preparation of Pre-Service

Teachers in Agricultural Mechanics. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.**Outstanding Paper Presentation**.

**Anderson, R.G.,** Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2021). *Identifying the*

*Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2021*). Effects of a Professional*

*Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines.* Association of Career and Technical Education Research Conference, New Orleans, LA.

White, P.T., **Anderson, R.G.,** Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2021). *Perceptions of*

*Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* Association of Career and Technical Education Research Conference, New Orleans, LA. **Outstanding Paper Presentation**.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021).*Using Virtual Reality to*

*Determine Professional Development Needs of Beginning Welders.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Identifying the*

*relationship between virtual assisted welding instruction and welding performance.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021).*Assessing the influence of*

*welding sequence training on student performance.* Association of Career and Technical Education Research Conference, New Orleans, LA. **Outstanding Paper Presentation**.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford. M. (2021*).**Using Virtual Reality to Determine Professional Development Needs of Beginning Welders.* Western American

Association for Agricultural Education Conference, Bozeman, MT.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021).*Assessing the influence of*

*welding sequence training on student performance.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Catalan, E., **Anderson, R.,** Sudhakaran, P.,& Drewery, M. (2021).*Faculty use of Learning*

*Management Software during Covid-19: the effect of age and time.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Tasci, K., **Anderson, R.,** & Drewery, M. (2021).*Changes in academic rigor and faculty*

*perception of student learning during Covid-19*. Western American Association for Agricultural Education Conference, Bozeman, MT.

**Anderson, R.,** & Paulsen, T. (2020). Agricultural Education Teachers’ Importance to Teach

Agricultural Mechanics: A Gender Comparison.National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Distinguished Paper Presentation**.

Byrd, P., White, T., **Anderson, R**., Saucier, R., & Leamon, C. (2020). Effects of a Professional

Development Session on Career and Technical Education Teachers' Knowledge to Teach Small Gas Engines. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Distinguished Paper Presentation**.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2020). Effects of a Professional

Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Outstanding Paper Presentation**.

McCubbins, OP, Paulsen, T.H., & **Anderson R.** (2020).*Promoting and Measuring*

*Collaboration Networks in a Capstone Course.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2020). *Perceived Preparedness and Teaching Efficacy: A*

*Mirrored Relationship.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2020). *The Relationship Between Metacognitive Awareness and*

*Self-Regulated Learning.* North American Colleges and Teachers of Agriculture

Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M., Ussery, S., & **Anderson, R.** (2020). *Women's Perceived Barriers to Pursuing*

*STEM Careers.* North American Colleges and Teachers of Agriculture Conference, Las

Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2019). *Sustaining the Profession: Career Promotion Behaviors*

*of School-Based Agricultural Education Teachers*.National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.

Swafford, M., Ussery, S., & **Anderson, R.** (2019). *Addressing the Gender Gap: Women's*

*Perceived Barriers to Pursuing STEM Careers.* Western American Association for Agricultural Education Conference, Anchorage, AK.

Anderson, K., **Anderson, R. G.,** & Byrd, A. P. (2018). *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.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Distinguished Paper Presentation**.

Byrd, A. P., Saucier, P. R., & **Anderson, R. G.** (2018). *Laboratory Management Needs of Iowa*

*School-Based Agricultural Mechanics Teachers.* American Association for Agricultural Education Conference, Charleston, SC.

Byrd, A. P., Saucier, P. R., & **Anderson, R. G.** (2018). *Laboratory Management Needs of Iowa*

*School-Based Agricultural Mechanics Teachers.* Southern Region of American Association for Agricultural Education Conference, Jacksonville, FL.

Wells, T., Anderson, K., & **Anderson, R. G.** (2017). *Career and technical education teachers’*

*tool and equipment availability related to the teaching and learning of two-stroke engines content: A preliminary study.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.

Anderson, K., **Anderson, R. G.,** & Wells, T. (2017). 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. *National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference,* Indianapolis, IN.

Figland, W., & **Anderson, R**. (2017). *Agricultural Mechanics Skills Possessed by Post-*

*Secondary Students Prior to Enrolling In an Agricultural Mechanics Teaching Methods Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, Paulsen, T., & **Anderson, R**. (2017). *Conceptualizing the Integration of Team-*

*Based Learning into a Capstone Farm Management Course: Advice from Larry Michaelsen.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, Paulsen, T., & **Anderson, R**. (2017). *Examining Perceptions of Their*

*Experience in a TBL Formatted Capstone Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Rasty, J., & **Anderson, R**. (2017). *A Longitudinal Comparison of the Importance of*

*Agricultural Mechanics Skills Taught.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Rasty, J., & **Anderson, R**. (2017). *The Importance of Agricultural Mechanics Skills*

*Training: Implications for Agricultural Education.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, K., **Anderson, R**., & Anderson, K. (2017). *Career and Technical Education*

*Teachers' Perceived Tool and Equipment Availability Related to Teaching Two-Stroke Engines Content: A Preliminary Study.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2017). An Exploration of the Growth and

Development of Student Collaboration Networks in a TBL Capstone Course. The International Team-Based Learning Collaborative Conference, Orlando, FL.

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher*

*Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*.Association of Career and Technical Education Research Conference, Las Vegas, NV.

Rasty, J. & **Anderson, R.** (2016). *Longitudinal Trends in the Importance of Agricultural*

*Mechanics*.Association of Career and Technical Education Research Conference, Las Vegas, NV.

Figland, W. & **Anderson, R**. (2016). *Initial Agricultural Mechanics Skills Possessed by Pre-*

*service Agricultural Education Students.* North Central Region American Association for Agricultural Education Conference, Lafayette, IN.

Rasty, J. & **Anderson, R.** (2016). *Longitudinal Trends in the Importance of Agricultural*

*Mechanics*. North Central Region American Association for Agricultural Education Conference, Lafayette, IN.

Alston, A., English, C.W., & **Anderson, R.** (2016) *Power, Structural, and Technical Systems*

*Career Pathway Workforce Readiness: Implications for Agricultural Education*. NC Education Forum – Raleigh, NC

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher*

*Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Utilizing Social Network Analysis in a*

*Team-Based Learning Formatted Capstone Course*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Classroom Level Student Engagement*

*in a Team-Based Learning Course.* North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Rasty, J., & **Anderson, R**. (2016). *The Importance of Agricultural Mechanics Skills Training:*

*Implications for Post-Secondary Education*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher*

*Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. American Association for Agricultural Education Conference, Kansas City, MO.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics*

*Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* American Association for Agricultural Education Conference, Kansas City, MO.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural*

*Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.**Distinguished Paper Presentation**.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural*

*Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN.

McCubbins, O., **Anderson, R**. & Paulsen, T. (2015). *The Relationship of the Adequacy of*

*Tools and Equipment to Perceived Competency to Teach Agricultural Mechanics Topics in High School Agricultural Mechanics Laboratories in [STATE].* North Central Region American Association forAgricultural Education Conference, Minneapolis, MN.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Flipping an Undergraduate*

*Capstone Course: Student Perceptions of their Experience in a TBL Formatted Course.* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN

Mills, D., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural*

*Mechanics Training Received As Secondary Students Affect Teacher Competence.* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN. **2nd Runner-up for Outstanding Research Paper**.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Integrating Team-Based Learning in*

*an Undergraduate Capstone Course: Advice from Larry Michaelsen.* Paper presented at the North American Colleges and Teachers of Agriculture Conference, Athens, GA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Flipping an Undergraduate Capstone*

*Course: Student Perceptions of their Experience in a TBL Formatted Course.* Paper presented at the North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics*

*Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

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.

Byrd, A., Stone, R., & **Anderson, R**. (2015). *The Use of Virtual Welding Simulators to*

*Evaluate Experienced Welders.* American Association for Agricultural Education Conference, San Antonio, TX.

Clark, T., Paulsen, T. H., & **Anderson, R**. (2015). *Analyzing Student Teacher Critical Thinking*

*Through Blogs in an Online Community of Practice*. American Association for Agricultural Education Conference, San Antonio, TX.

Paulsen, T. H., Clark, T., & **Anderson, R**. (2015). *Utilizing the tuning protocol to generate peer*

*feedback during student teaching lesson plan development.* American Association for Agricultural Education Conference, San Antonio, TX.

Wells, T., Matthews, J., Caudle, L., Lunceford, C., Clement, B., & **Anderson, R**. (2015). *The*

*infusion of inquiry-based learning into school-based agricultural education: A review of literature*. American Association for Agricultural Education Conference, San Antonio, TX.

Haynes, J.C., **Anderson, R.,** & Gill, B. (2015). *Utilizing a Delphi Study to Establish The Teaching Resources Needed For an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory.* National Association for Research in Science Teaching Conference, Chicago, IL.

Wells, T., Matthews, J., Caudle, L**.**, Lunceford, C., Clement, B., & **Anderson, R**. (2015). *The Infusion of Inquiry-based Learning Into School-based Agricultural Education: A Review of Literature.* Oral Presentation presented at the Minorities in Agricultural, Natural Resources and Related Sciences National Conference, Houston, TX

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Reducing Beginning Welders’ Anxiety by*

*Integrating Virtual Reality Simulations.* Presentation presented at the Association for Career and Technical Education Research Conference, Nashville, TN.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Dexterity: An Indicator of Future Performance in*

*Beginning Welders?* Presentation presented at the Association for Career and Technical Education Research Conference, Nashville, TN.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Reducing Beginning Welders’ Anxiety by*

*Integrating Virtual Reality Simulations.* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY., **Distinguished Manuscript 2nd place.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Dexterity: An Indicator of Future Performance in*

*Beginning Welders?* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY., **Distinguished Manuscript 3rd place.**

McCubbins, O., **Anderson, R**. & Paulsen, T. (2014). *Teacher-perceived Adequacy of Tools and*

*Equipment Available to Teach Agricultural Mechanics.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV.

Gent, N., Smith, T., **Anderson, R.,** & Paulsen, T. (2014). *The Relationship of Quality and*

 *Quantity of Agricultural Mechanics Training in Agricultural Post-Secondary Preparation in the State of [State].* North Central Region American Association for

Agricultural Education Conference, Morgantown, WV.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *The Use of Virtual Welding Simulators to Evaluate*

*Experienced Welders.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV. **Distinguished Manuscript, 2nd Place**

Paulsen, T. H., Clark, T., **Anderson, R**. (2014). *Utilizing the tuning protocol to generate peer*

*feedback during student teaching lesson plan development.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV. **Outstanding Manuscript**

Stremsterfer, E., Tweeten, J., Byrd, A., **Anderson, R**. & Paulsen, T. (2014). *Teacher Perceptions*

*of Appropriateness of Agricultural Mechanics Concepts taught in Secondary Agricultural Education Programs.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV.

Wells, T., Matthews, J., Caudle, L., Lunceford, C., Clement, B., & **Anderson, R**. (2014). *The*

*infusion of inquiry-based learning into school-based agricultural education: A review of literature.* Proceedings of the 2014 American Association for Agricultural Education Research Conference, North Central Region. Morgantown, WV.

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**

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.

Byrd, A., **Anderson, R**., Paulsen, T., & Shultz, M. (2014). *Does the Number of Post-secondary*

*Agricultural Mechanics Courses Completed Affect Teacher Competence?* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2014). *Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.*

North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Byrd, A., **Anderson, R**., Paulsen, T., & Shultz, M. (2014). *Does the Number of Post-secondary*

*Agricultural Mechanics Courses Completed Affect Teacher Competence?* American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Does Agricultural Mechanics Laboratory Size*

*Affect Agricultural Education Teachers’ Job Satisfaction?* American Association for Agricultural Education Conference, Salt Lake City, UT.

Tweeten, J., Paulsen, T., & **Anderson, R.** (2014). *Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.*

American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Does the Number of Post-secondary*

*Agricultural Mechanics Courses Completed Affect Teacher Competence?* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Tweeten, J., Day, J. & **Anderson, R**. (2013). *Problem Based Learning in Agricultural*

*Education: A Synthesis of Literature*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B. & **Anderson, R**. (2013). *Student Participants’ Views of Mathematics Content*

*Representation within Selected Alabama State FFA Career Development Events.* *Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.,* ***Distinguished Manuscript 3rd place.***

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Does the Number of Post-Secondary*

*Agricultural Mechanics Courses Completed Affect Teacher Competence? Proceedings of the National Agricultural Mechanics Professional Development.* Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Manuscript 1st place.**

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Is There A Correlation Between*

*Agricultural Mechanics Laboratory Size and Agricultural Education Teachers’ Job Satisfaction and Enjoyment?* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.,

Han, G., Benson, C., & **Anderson, R**. (2013). *The Role of Multiple Intelligence Theory To*

*Engage All Learners: A Synthesis of Literature.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Teacher Self-Efficacy and the Relationship to*

*the Concerns Expressed by Agricultural Education Student Teachers.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Wells, T., & **Anderson, R.** (2013). *Kentucky Agricultural Education Teachers’ Self-*

*Reported Efforts to Integrate Mathematics Content within Secondary Agricultural Education Curricula: A Descriptive Survey Study.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Shultz, M., **Anderson, R**., Shultz, A., & Paulsen, T. (2013). *Importance and Capability of*

*Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators.* American Association for Agricultural Education Conference, Columbus, OH.

Wells, T., Perry, B., **Anderson, R**., Shultz, M., & Paulsen, T. (2013). *Does prior experience in*

*secondary agricultural mechanics affect pre-service agricultural education teachers’ intentions to enroll in post-secondary agricultural mechanics coursework?* American Association for Agricultural Education Conference, Columbus, OH.

Shultz, M., **Anderson, R**., Shultz, A., & Paulsen, T. (2012). *Importance and Capability*

 *of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural*

 *Educators*. Association for Career and Technical Education Research, Atlanta, GA.

Shultz, M., **Anderson, R.,** Shultz, A., & Paulsen, T. (2012). *Importance and Capability*

*of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural*

 *Educators*. Proceedings of the National Agricultural Mechanics Professional

Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Distinguished Manuscript 2nd place**.

Shultz, M., **Anderson, R**., Shultz, A & Paulsen, T. (2012). *Importance and Capability of*

*Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Silvey, M. & **Anderson, R.** (2011). *Perceptions of Administrators in [STATE] Secondary*

*Schools Regarding the Integration of Mathematics into Agricultural Education.* Association for Career and Technical Education Research, St. Louis, Mo.

Perry, D., Williams, R., & **Anderson, R.** (2011). *Safety Conditions and Practices in*

*Secondary Agricultural Mechanics Programs*. Proceedings of National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Silvey, M. & **Anderson, R.** (2011). *Perceptions of Administrators in [STATE]*

*Secondary Schools Regarding the Integration of Mathematics into Agricultural Education.* North Central Region American Association for Agricultural Education Conference, University Park, PA.

Perry, D., Williams, R., & **Anderson, R**. (2011). Safety Conditions and Practices in Secondary

Agricultural Mechanics Programs. North Central Region American Association for Agricultural Education Conference, University Park, PA.

Anderson, S., Velez, J., & **Anderson, R**. (2011).*Examination of the Welding Safety Beliefs of*

*Postsecondary Agriculture Students*. American Association for Agricultural Education Conference, Coeur D’Alene, ID.

Saucier, R., Vincent, S., & **Anderson, R.** (2011). *Agricultural Mechanics Laboratory Safety:*

*Professional Development Needs of [State] School-Based Agricultural Educators.* American Association for Agricultural Education Conference, Coeur D’Alene, ID.

Anderson, S., Velez, J., & **Anderson, R.** (2011).*Examination of the Welding Safety Beliefs of*

*Postsecondary Agriculture Students*. Western Region of American Association for Agricultural Education Conference, Fresno, CA.

Saucier, R., Vincent, S., & **Anderson, R.** (2011). *Agricultural Mechanics Laboratory Safety:*

*Professional Development Needs of [State] School-Based Agricultural Educators.* Southern Region of American Association for Agricultural Education Conference, Corpus Christi, TX.

**Anderson, R**., & Miller, R. (2010). *Self-Reported Level of Mathematics Integration of Virginia*

*Agricultural Educators.* Eastern Educators Research Association Conference, Savannah. GA.

**Anderson, R.** & Anderson, S. (2009). *Emerging Themes in Integrating Mathematics into*

 *Agricultural Education: A Qualitative Study of Star Teachers in Virginia.* Southern

 Region American Association for Agricultural Education Conference, Atlanta, GA.

**Anderson, R.,** Williams, B., & Hillison, J. (2009). *Attitudes Toward Mathematics Integration*

*and Related Professional Development Needs of Outstanding Agricultural Education Instructors.* Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2009). *Program Management In-*

*Service Needs of Alternatively Licensed Beginning Career and Technical Education Teachers.* Eastern Educators Research Association Conference, Sarasota, FL.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2009). *Teaching and Learning* *In-*

*Service Needs of Alternatively Licensed Beginning Career and Technical Education Teachers.* Eastern Educators Research Association Conference, Sarasota, FL.

**Anderson, R**., Peake, W. & Massey, J. (2008). *First-Year Undergraduates’ knowledge and use*

*of Global Positioning Systems*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

**Anderson, R**., & Hillison, J. (2008). *Attitudes and Needs of Outstanding Agricultural Education*

*Instructors Regarding Mathematics Integration.* American Association for Agricultural Education Conference, Reno, NV.

**Anderson, R.,** Williams, R., & Hillison, J. (2008). *Self-Reported Level of Mathematics*

*Integration of Outstanding Virginia Agricultural Educators.* Southern Region American Association for Agricultural Education Conference, Dallas, TX.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2008). Needs of Southern Ohio

alternatively licensed career & technical Education teachers. Paper presented at the Appalachian Studies Conference. Huntington, WV

**Anderson, R**. & Driskill, D. (2007). *Level of Mathematics Integration of Outstanding*

 *Virginia Agricultural Educators.* National Agricultural Mechanics Contest Blue

 Ribbon Presentation. Indianapolis, IN.

Miller, R., Seibel, A., **Anderson, R**., & Swafford, M. (2007). *Student Perceptions of Preparation for the Benefit of FFA Career Development Events on Future Employment in the Field of Agriculture.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Cannon, J., Broyles, T., **Anderson, R**., & Siebel, G. (2007). *Summer Enrichment Programs:*

*Providing Agricultural Literacy and Career Exploration to Gifted and Talented Students*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of*

 *Preparation for and the Benefit of FFA Career Development Events and*

 *Classroom Preparation at the State Level.* North American Colleges and Teachers of

 Agriculture Conference, Champaign, IL.

**Anderson, R**., Miller, R., Williams, B., Swafford, M., & Cannon, J. (2007). *Gender*

 *differences among agricultural education instructors toward information*

 *technology.* North American Colleges and Teachers of Agriculture Conference,

 Champaign, IL.

**Anderson, R.**, Miller, R., & Cannon, J. (2007). *Gender differences among agricultural education instructors toward information technology.* Eastern Educators Research Association Conference, Clearwater. FL.

Cannon, J., & **Anderson, R**. (2007). *Factors influencing college choices of gifted and talented students.* Eastern Educators Research Association Conference, Clearwater. FL.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture*

 *Classes: An Articulation Agreement Between Virginia’s High School Agricultural*

 *Education Programs and Community Colleges.* Eastern Educators Research Association

Conference, Clearwater. FL.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of*

 *Preparation for and the Benefit of FFA Career Development Events on Future*

 *Employment in the Field of Agriculture.* Southern Region American Association for Agricultural Education Conference, Mobile, AB.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of*

*Preparation for and the Benefit of FFA Career Development Events and Classroom Preparation at the State Level.* Southern Region American Association for Agricultural Education Conference, Mobile, AB.

**Anderson, R**., & Miller, R. (2006). *Agricultural Instructors’ Attitude Toward Information Technology.* Eastern Educators Research Association Conference, Hilton Head, S.C.

Miller, R., & **Anderson, R**. (2006). *Instructor Perceptions of Communication in Online*

 *Courses*. Eastern Educators Research Association Conference, Hilton Head, S.C.

Miller, R., & **Anderson, R** (2006). *Instructor Perceptions of Communication in Online Courses*.

Southern Region American Association of Agricultural Education Conference, Orlando, FL.

**REFERREED RESEARCH POSTER PRESENTATIONS**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2023). *Evaluation of Welding*

*Assessment Scores Using Triangulation.* American Association for Agricultural Education Conference, Raleigh, NC.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Evaluating Self-Assessed and*

*CWI Welding Scores by Gender.* Southern American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a*

*Welding Workshop on a Teacher’s Ability to Teach Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Heibel, B., **Anderson, R.,** & Swafford, M. (2022).*Integrating Virtual Reality into Beginning*

*Welder Training Sequences.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of*

*Professional Development on the Importance to Teach Welding*. Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Research Poster**

Ramos, J., Borges, B., & Anderson, R. (2022) *Identifying Teacher’s Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development*

*Workshop.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Ramos, J., Borges, B., & Anderson, R. (2022) *Identifying Teacher’s Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development*

*Workshop.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Thornburgh, J., **Anderson, R.,** & Drewery, M. (2022*).**Service-learning positively impacts*

*college students' professional development*. Western Section of American Association of Animal Scientists. Park City, UT.

**Anderson, R.G**., Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2022). *Identifying the*

*Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

Anderson, K., **Anderson, R.,** & Byrd, P. (2022). *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*. American Association for Agricultural Education Conference, Oklahoma City, OK.

Byrd, A., **Anderson, R.,** White, P., Saucier, P., & Leamon, C. (2022). *Effects of a Professional*

*Development Session on Career and Technical Education Teachers’ Knowledge to Teach Small Gas Engines*. American Association for Agricultural Education Conference, Oklahoma City, OK.

Garza, L., **Anderson, R.,** Sykora, R.,Borges, B., & Swafford. M. (2022). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Boedeker, S., **Anderson, R.,** Morrish, D., & Heibel, B. (2022). *Identifying the Tools and*

*Equipment Available to Teach Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Hutson, K., **Anderson, R.,** Morrish, D. & Sykora, R. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy of Teachers’ Knowledge of Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a*

*Welding Workshop on a Teacher’s Ability to Teach Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of*

*Professional Development on the Importance to Teach Welding*. Texas State University Undergraduate Research Conference, San Marcos, TX.

Ramos, J., **Anderson, R.,** Heibel, B.,Borges, B., & Swafford, M. (2022). *Identifying the*

*relationship between virtual assisted welding instruction and welding performance.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Boedeker, S., **Anderson, R.,** Morrish, D., & Heibel, B. (2022). *Identifying the Tools and*

*Equipment Available to Teach Welding.* Agricultural Consortium of Texas Conference, Abilene, TX.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the*

*Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Agricultural Consortium of Texas Conference, Abilene, TX.

Garza, L., **Anderson, R.,** Sykora, R.,Borges, B., & Swafford. M. (2021). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* Agricultural Consortium of Texas Conference, Abilene, TX. **First Place Undergraduate Poster.**

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2022).*Using Virtual Reality to*

*Determine Professional Development Needs of Beginning Welders.* Agricultural Consortium of Texas Conference, Abilene, TX. **Second Place Graduate Poster.**

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a*

*Welding Workshop on a Teacher’s Ability to Teach Welding.* Agricultural Consortium of Texas Conference, Abilene, TX. **Third Place Undergraduate Poster.**

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of*

*Professional Development on the Importance to Teach Welding*. Agricultural Consortium of Texas Conference, Abilene, TX.

Ramos, J., **Anderson, R.,** Heibel, B.,Borges, B., & Swafford, M. (2022). *Identifying the*

*relationship between virtual assisted welding instruction and welding performance.* Agricultural Consortium of Texas Conference, Abilene, TX.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022).*Assessing the influence of*

*welding sequence training on student performance.* Agricultural Consortium of Texas Conference, Abilene, TX. **First Place Graduate Poster.**

**Anderson, R**., Drewery, M., Garza, G. & Heibel, B. (2022). *Covid-19 Impacts on Faculty Career Outlook: Faculty Teaching Agricultural Sciences.* Texas State University Health

Scholars Showcase. San Marcos, TX.

**Anderson, R**., Heibel, B., & Byrd, A. (2022). *Reducing Beginning Welders’ Anxiety by*

*Integrating Virtual Reality Simulations*. Texas State University Health Scholars Showcase. San Marcos, TX.

Drewery, M., & **Anderson, R.** (2022). *Challenges Faced by Veterinary Technicians During*

*Covid-19. Texas State University Health Scholars Showcase*. San Marcos, TX.

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Identifying the*

*relationship between virtual assisted welding instruction and welding performance.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Evaluation of Welding*

*Assessment Scores Using Triangulation.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

York, K., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Evaluating Self-Assessed and CWI*

*Welding Scores by Gender.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Rowe, Z., Tasci, K., Russo,. C., **Anderson, R**., & Drewery, M. (2021). *The effect of the*

*COVID-19 pandemic on veterinary technicians. Western Region* *American Association of Animal Scientists Conference. Fort Collins, CO.*

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021).*Using Virtual Reality to*

*Determine Professional Development Needs of Beginning Welders.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Research Poster**

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Identifying the*

*relationship between virtual assisted welding instruction and welding performance.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021).*Assessing the influence of*

*welding sequence training on student performance.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021).*Training Beginning Welders*

*Using Virtual Reality Simulations.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021).*Assessing the influence of*

*welding sequence training on student performance.* Association of Career and Technical Education Research Conference, New Orleans, LA.

York, K., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Evaluating Self-Assessed and CWI*

*Welding Scores by Gender.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Determining the*

*professional development needs of students using an Augmented Reality welding system.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021).*Training Beginning Welders*

*Using Virtual Reality Simulations.* Western American Association for Agricultural Education Conference, Bozeman, MT.

White, P.T., **Anderson, R.G**., Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2021). *Perceptions of*

*Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* North-Central American Association for Agricultural Education Conference, Columbus, OH.

**Anderson, R.G**., Saucier, P.R. Byrd, A.B., White, P.T., & Leamon, C.L. (2020). *Identifying the*

*Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

White, P. T., **Anderson, R.G.,** Saucier, P.R., Byrd, A.P., & Leamon, C. L. (2020). *Identifying*

*The Curriculum Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Research Poster**

Swafford, M., & **Anderson, R.** (2020*).* *Prevalence of Safety Color Coding in New Mexico*

*Secondary Agricultural Mechanics Laboratories.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Leamon, C.L., Saucier, P.R., **Anderson, R.G**., Byrd, A.P. & White, P.T. (2020). *An evaluation*

*of the Briggs and Stratton small gas engine technology workshop: A national evaluation of teacher professional development needs.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Leamon, C.L., Saucier, P.R., **Anderson, R.G**., Byrd, A.P. & White, P.T. (2019). *An evaluation*

*of the Briggs and Stratton small gas engine technology workshop: A national evaluation of teacher professional development needs.*Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.**Distinguished Research Poster**

Swafford, M. & **Anderson, R.** (2019). *Perceived Preparedness and Teaching Efficacy: A*

*Mirrored Relationship.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.**Distinguished Research Poster**

Swafford, M. & **Anderson, R.** (2019). *The Relationship Between Metacognitive Awareness and*

*Self-Regulated Learning.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Anderson, K., Anderson, R., & Byrd, P. (2019). *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*. Western American Association for Agricultural Education Conference, Anchorage, AK.

Swafford, M. & **Anderson, R.** (2019). *Help-Seeking in Online Learning Environments.*

American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M. & **Anderson, R.** (2019). *Perceived Preparedness and Teaching Efficacy: A*

*Mirrored Relationship.* American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M. & **Anderson, R.** (2019). *The Relationship Between Metacognitive Awareness and*

*Self-Regulated Learning.* American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M., Logemann, L., & **Anderson, R.** (2019). *Exploring the Relationship Between Job*

*Engagement and Professional Commitment Among Agriculture Teachers*. American Association for Agricultural Education Conference, Des Moines, IA.

Byrd, P., **Anderson, R.** & Saucier, R. (2018). *Injuries and Other Accidents Sustained In An*

*Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students.* American Association for Agricultural Education Conference, Charleston, SC.

Byrd, P., **Anderson, R.,** & Saucier, P.R. (2017).  *Injuries and Other Accidents Sustained In An*

*Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students*. Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Byrd, P., **Anderson, R.** & Saucier, R. (2017). *Laboratory Management Professional*

*Development Needs of Iowa Secondary Agricultural Education Teachers.* North Central American Association for Agricultural Education Conference, Ames, IA.

Byrd, P., **Anderson, R.** & Saucier, R. (2017). *Injuries and Other Accidents Sustained In An Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students.* North Central American Association for Agricultural Education Conference, Ames, IA.

Sperfslage, A. & **Anderson, R.** (2017). *Student Teachers Efficacy to Teach Value-Added*

*Agricultural Commodities.* North Central American Association for Agricultural Education Conference, Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R.** (2017*). Student Engagement in a Team-Based*

 *Learning Capstone Course: A Comparison of What Students Do and What*

*Instructors Value*. The International Team-Based Learning Collaborative Conference, Orlando, FL.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2017). *An Examination of Student*

*Perceptions Concerning Their Experience Working in Teams before and After a Team-Based Learning Capstone Course.* The Team-Based Learning Collaborative International Conference, Orlando, FL.

Byrd, P., **Anderson**, R., & Saucier, R. (2016). *Secondary Agricultural Education Student*

*Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

**Anderson, R**., Byrd, P., & Saucier, R. (2016). *Laboratory Management Professional*

*Development Needs of Iowa Secondary Agricultural Education Teachers*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Figland, W., & **Anderson, R**. (2016). *Agricultural Mechanics Skills Possessed by Pre-service*

*Agricultural Education Students*. American Association for Agricultural Education Conference, Kansas City, MO.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Examining student engagement in*

*a flipped classroom.* American Association for Agricultural Education Conference, Kansas City, MO.

Swafford, M., **Anderson, R.,** & Johnson, R. (2016). *A content analysis of the research published*

*in the Journal of Agricultural Education.* American Association for Agricultural Education Conference, Kansas City, MO.

Haynes, J.C., **Anderson, R.,** & Gill, B. (2015). *Utilizing a Delphi Study to Establish The*

*Teaching Resources Needed For an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory.* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Gent, N., Smith, T., **Anderson, R**., & Paulsen, T. (2015). *The Relationship of Quality and*

*Quantity of Agricultural Mechanics Training in Agricultural Post-Secondary Preparation in the State of Iowa.* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Student perceptions of their experience in*

*a flipped undergraduate capstone course*. American Association for Agricultural Education Conference, San Antonio, TX. **Distinguished Research Poster**

Mills, D., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics*

*Training Received As Secondary Students Affect Teacher Competence.* American Association for Agricultural Education Conference, San Antonio, TX.

Paulsen, T., Retallick, M., **Anderson, R**., & Dollisso, A. (2014). *Environmental Learner*

*Outcomes Assessment: How do [Department] Students Compare to National Norms?* American Association for Agricultural Education Conference, San Antonio, TX.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics*

*Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* American Association for Agricultural Education Conference, San Antonio, TX.

Tweeten, J., Byrd, A., **Anderson, R.,** & Paulsen, T. (2014). *Comparison of Teacher Competence*

*in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers.* Association for Career and Technical Education Research Conference, Nashville, TN.

Stremsterfer, E., McCubbins, O., **Anderson, R**. & Paulsen, P. (2014). *The Relationship of the*

 *Adequacy of Tools and Equipment to Perceived Competency to Teach Agricultural*

 *Mechanics Topics in High School Agricultural Mechanics Laboratories in [STATE].* Association for Career and Technical Education Research Conference, Nashville, TN.

Smith, T., **Anderson, R**., & Paulsen, T. (2014). *Teacher Perceptions of the Quantity of Agricultural Mechanics Preparation Received at the University Level.* Association for

Career and Technical Education Research Conference, Nashville, TN.

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Gender Influences in Agricultural*

*Education Teachers Competence to Teach Electrical Skills.* Association for Career and Technical Education Research Conference, Nashville, TN. **Outstanding Research Poster**

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Comparison of Teacher Competence*

*in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 3rd place.**

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Gender Influences in Agricultural*

*Education Teachers Competence to Teach Electrical Skills.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 2nd place.**

Paulsen, T., Retallick, M., **Anderson, R**., & Dollisso, A. (2014). *Environmental Learner Outcomes Assessment: How do [Department] Students Compare to National Norms?* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

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, W. VA. **Distinguished Research Poster, 2nd Place**

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, W. VA.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Utilizing Dexterity to Predict Future Performance*

*of Beginning Welders.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Smith, T., **Anderson, R**., & Paulsen, T. (2014). *Teacher Perceptions of the Quantity of Agricultural Mechanics Preparation Received at the University Level.* North

American Colleges and Teachers of Agriculture Conference, Bozeman, MT. **Outstanding Graduate Student Research Poster 1st place.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Utilizing Dexterity to Predict Future Performance*

*of Beginning Welders.* American Association for Agricultural Education Conference, Salt Lake City, UT. **Distinguished Research Poster.**

Smith, T., Paulsen, T., & **Anderson, R**. (2014). *Generating Peer Feedback in Student Teaching:*

*Utilizing the Tuning Protocol.* American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual*

*Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Utilizing Twitter as a Communication Tool for*

*Expressing Concerns of Agricultural Education Student Teachers.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B., & **Anderson, R**. (2013). *An Assessment of Pre-service Agricultural*

*Educators’ Aptitudes in Solving Contextualized Mathematics Problems.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B., & **Anderson, R**. (2013). *Are They Competent? An Evaluation of Post-*

*Secondary Agricultural Education Students’ Agricultural Mechanics Knowledge. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.*

Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Teacher Perceptions of Quality of University-*

*level Pre-service Agricultural Mechanics Instruction.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 2nd place.**

McCubbins, OP., Wells, T., **Anderson, R**., & Paulsen, T. (2013). *Teacher-perceived Adequacy*

*of Tools and Equipment Available to Teach Agricultural Mechanics.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Byrd, P., **Anderson, R**., & Paulsen, T. (2013). *Is Agricultural Mechanics Competency Affected*

*By The Number Of Post-secondary Course Completed?* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual*

*Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* North Central Region American Association forAgricultural Education Conference, Platteville, WI.

McCubbins, OP., Wells, T., **Anderson, R**., & Paulsen, T. (2013). *Teacher-perceived Adequacy*

*of Tools and Equipment Available to Teach Agricultural Mechanics.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Tweeten, J., Paulsen, T., & **Anderson, R**., (2013). *Phases of Beginning Teacher Development*

*and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Teacher Perceptions of Quality of University-*

*level Pre-service Agricultural Mechanics Instruction*. North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual*

*Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

Shultz, M., **Anderson, R.**, & Paulsen, T. (2013). *Mechanics-Related In-Service Needs of Iowa*

*Agriculture Teachers: Does Teaching Experience Matter?* American Association for Agricultural Education Conference, Columbus, OH.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Utilizing Twitter as a Communication Tool for*

*Expressing Concerns of Agricultural Education Student Teachers.* American Association for Agricultural Education Conference, Columbus, OH.

Campo, D., Shultz, M., & **Anderson, R**., (2012). *Student Competency Levels Entering Post-*

*Secondary Introductory Agricultural Mechanics Courses*. Association of Career and Technical Education Research Conference, Atlanta, GA.

Shultz, M., **Anderson, R**., Shultz, A & Paulsen, T. (2012). *Mechanics-Related In-service Needs*

*of Iowa Agriculture Teachers: Does Teaching Experience Matter?* Association of Career and Technical Education Research Conference, Atlanta, GA. **Outstanding Poster Award, 2nd place.**

Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *Mechanics-Related In-service Needs of Iowa*

*Agriculture Teachers: Does Teaching Experience Matter?* North Central Region American Association for Agricultural Education Conference, Champaign, IL. **2nd place student research poster.**

Perry, D., Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *The Relationship between the*

*Amount of Agricultural Mechanics Training and Skills Received at the Secondary and Post-secondary Levels.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Campo, D., Shultz, M., & **Anderson, R.**, (2012). *Student Competency Levels Entering Post-*

*Secondary Introductory Agricultural Mechanics Courses.* American Association for Agricultural Education Conference, Asheville, N.C.

Campo, D., Shultz, M., & **Anderson, R**., (2012). *Student Competency Levels Entering*

*Post-Secondary Introductory Agricultural Mechanics Courses.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Shultz, M., **Anderson, R**., Anderson, S., & Velez, J. (2012). *Safety Analysis of Post-Secondary*

 *Students Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and*

 *Behaviors?* Southern Region American Association for Agricultural Education

Conference, Birmingham, AL.

Perry, D., Williams, R., & **Anderson, R**. (2011). *Comparison of Personal Protection Equipment*

*Availability and Usage in Selected Secondary Agricultural Mechanics Programs.* Iowa Educational Research and Evaluation Association Conference, Ames, IA.

Shultz, M, **Anderson, R**., & Anderson, S. (2011). *Safety Analysis of Post-Secondary Students*

*Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and Behaviors?* Iowa Educational Research and Evaluation Association Conference, Ames, IA.

Perry, D., Williams, R., & **Anderson, R**. (2011). *Comparison of Personal Protection Equipment*

*Availability and Usage in Selected Secondary Agricultural Mechanics Programs.* Association of Career and Technical Education Research Conference, St. Louis, MO.

**Anderson, R.,** Peake, W., & Massey, J. (2010). *Incoming Undergraduate’s Self-Reported Usage*

*of Global Positioning Systems*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Crouch, D., Silvey, M., **Anderson, R**., & Driskill, D. (2010). *Determining Post-Secondary*

*Agricultural Students Mechanics Skill Prior to Enrollment to An Introductory Mechanics Course*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Gossett, J., **Anderson, R**., & Driskill, D. (2010). *Kentucky Agricultural Education Teachers’*

*Attitudes Toward Mathematics Integration*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Kass, K., **Anderson, R**., & Driskill, D. (2010). *An Agricultural Mechanics Laboratory Needs*

*Assessment.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary*

*Schools Regarding Student Enrollment and Integrated Mathematics.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary*

*Schools Regarding Agriculture Program Support.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Totty, C., **Anderson, R**., & Driskill, D. (2010). *Agricultural Mechanics Skills Needed For*

*Beginning Teachers In Secondary Agricultural Education*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

**Anderson, R**., Peake, W. & Massey, J. (2009). *First-Year Undergraduates’ knowledge and use*

*of Global Positioning Systems*. Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Swafford, M., & **Anderson, R**. (2009). *Citation Analysis of the Journal of Southern Agricultural*

*Education Research*. Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

**Anderson, R**., Peake, W. & Massey, J. (2008). *First-Year Undergraduates’ knowledge and use*

*of Global Positioning Systems*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

**Anderson, R**., Miller, R., Williams, R., Swafford, M., & Brooks, K. (2008). *Gender differences*

*among agricultural education instructors toward information technology.* Southern Region American Association for Agricultural Education Conference, Dallas, TX.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R**. (2007). *Needs of Southern Ohio*

*Alternatively Licensed Career & Technical Education Teachers.* Appalachian Studies Conference, Huntington, WV.

**Anderson, R**., Miller, R., Williams, R., Swafford, M., & Cannon, J. (2007). *Gender differences*

*among agricultural education instructors toward information technology.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture Classes: An*

*Articulation Agreement between Virginia’s High School Agricultural Education Programs and Community Colleges.* Association of Career andTechnical Education Research Conference, Las Vegas, NV. **Outstanding Poster Award, 3rd place.**

**Anderson, R**. & Driskill, D. (2007). *Level of Mathematics Integration of Outstanding Virginia*

*Agricultural Educators.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

**Anderson, R**., Miller, R., Swafford, M. & Anderson S. (2007). *Spanish For The Agricultural*

*Industry.* North American Colleges and Teachers of Agriculture Conference, Champaign, IL.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture Classes: An*

*Articulation Agreement between Virginia’s High School Agricultural Education Programs and Community Colleges.* North American Colleges andTeachers of Agriculture Conference, Champaign, IL.

**Anderson, R**. (2007). *Student Achievement in Agricultural Education*. OMEGA Conference.

 Indianapolis, IN.

Cannon, J., Quillen, B., Sturgeon, D., & **Anderson, R**. (2007). *Route B Licensure: Developing*

*Qualified CTE Teachers for the Appalachia Region of Southern Ohio*. Appalachian Studies Conference, Maryville, TN.

**Anderson, R**., & Cannon, J. (2006). *Career Interest in Agriculture of the 2004 Class of the*

*Virginia Governor’s School for Agriculture.* Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Miller, R., Siebel A., & **Anderson, R**. (2006). *Maximizing Students Quality of Life by Utilizing Career Development Events*.Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Cannon, J., & **Anderson, R**. (2006). *Perceptions of Agriculture by the 2004 Class of the Virginia Governor's School for Agriculture.* Virginia Tech School of Education Student Association Research Symposium, Blacksburg, VA.

Cannon, J., & **Anderson, R**. (2006). *Independent Group Projects for the Virginia Governor’s School for Agriculture.* Virginia Tech School of Education Student Association Research Symposium, Blacksburg, VA.

**Anderson, R**., Miller, R., Swafford, M. & Anderson S. (2006). *Spanish For The Agricultural*

*and Green Industry. 22nd Annual* Virginia Tech Graduate School Assembly Research Symposium, Blacksburg, VA.

Byers, C., **Anderson, R**. & Cannon, J. (2006). *Career Interest in Agriculture of the 2004*

*Class of the Virginia Governor’s School for Agriculture. 22nd Annual* Virginia Tech Graduate School Assembly Research Symposium, Blacksburg, VA.

Miller, R., Siebel A., & **Anderson, R**. (2006). *Maximizing Students Quality of Life by Utilizing Career Development Events*. *22nd Annual* Virginia Tech Graduate School Assembly

 Research Symposium, Blacksburg, VA.

Cannon, J., & **Anderson, R**. (2005). *Perceptions of Agriculture by the 2004 Class of the Virginia Governor's School for Agriculture.* American Association for Agricultural Education, San Antonio TX.

**REFEREED INNOVATIVE IDEA POSTER PRESENTATIONS**

Kornegay, K., Borges, B., & **Anderson, R.** (2023). *WoW Ambassadors- Promoting Welding*

*Education and Careers.* Western American Association for Agricultural Education Conference, Logan, UT.

Parks, S., Borges, B., & **Anderson, R.** (2023). *Delivering a Community-Based Agricultural*

*Mechanics Service-Learning Experience.* Western American Association for Agricultural Education Conference, Logan, UT.

Borges, B. & **Anderson, R.** (2023). *Using a Head-to-Head Electrical Troubleshooting*

*Championship Contest to Improve Student Engagement and Knowledge*. American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2023). *Implementing a Women of*

*Welding Camp for Secondary Female Students.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., **Anderson, R**., & Morrish, D. (2023). *Developing an Agricultural Mechanics*

*Academy.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., Borges, B., & **Anderson, R.** (2023). Incorporating a MakerSpace Project into an

Introduction to Agricultural Engineering Course. American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2022). *Implementing a Women of*

*Welding Camp for Secondary Female Students.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Innovative Idea Poster.**

Heibel, B., **Anderson, R**., & Morrish, D. (2022). *Developing an Agricultural Mechanics*

*Academy.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Innovative Idea Poster.**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022).*Using Triangulation Scoring to*

*Improve Student Evaluations.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2022). *Implementing a Women of*

*Welding Camp for Secondary Female Students.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Heibel, B., **Anderson, R**., & Morrish, D. (2022). *Developing an Agricultural Mechanics*

*Academy.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Ramos, J., **Anderson, R., &** Borges, B. (2022). *Developing Industry Partnerships to Provide*

*Welding Certifications.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022).*Using Triangulation Scoring to*

*Improve Student Evaluations.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Borges, B. & **Anderson, R.** (2021). *Using a Head-to-Head Electrical Troubleshooting*

*Championship Contest to Improve Student Engagement and Knowledge*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Franklin, E, **Anderson, R.,** & Preisner, N. (2021). *Filling the Gap: Landscape Horticulture*

*Professional Development Opportunities for School-Based Agriculture Educators*. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Heibel, B., Borges, B., & **Anderson, R.** (2021). Incorporating a MakerSpace Project into an

Introduction to Agricultural Engineering Course. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster.**

Ramos, J., **Anderson, R., &** Borges, B. (2021). *Developing Industry Partnerships to Provide*

*Welding Certifications.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Borges, B. & **Anderson, R.** (2021). *Using a Head-to-Head Electrical Troubleshooting*

*Championship Contest to Improve Student Engagement and Knowledge*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Franklin, E, **Anderson, R.,** & Preisner, N. (2021). *Filling the Gap: Landscape Horticulture*

*Professional Development Opportunities for School-Based Agriculture Educators*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Heibel, B., Borges, B., & **Anderson, R.** (2021). Incorporating a MakerSpace Project into an

Introduction to Agricultural Engineering Course. Western American Association for Agricultural Education Conference, Bozeman, MT.

Ramos, J., **Anderson, R., &** Borges, B. (2021). *Developing Industry Partnerships to Provide*

*Welding Certifications.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021).*Using Triangulation Scoring to*

*Improve Student Evaluations.* Western American Association for Agricultural Education Conference, Bozeman, MT.

York, K., **Anderson, R., &** Borges, B. (2021*). The Little White Lie: Twisting the Truth to*

*Improve Student Motivation.* Western American Association for Agricultural Education Conference, Bozeman, MT.

**Anderson, R.**, Borges, B. & McCubbins, O. (2021). *Preparing Career and Technical Education*

*Majors for Laboratory Management through Virtual Reality.* American Association for Agricultural Education Conference, Virtual Conference. **Distinguished Innovative Idea Poster.**

**Anderson, R.** & Borges, B. (2020). *Teaching Electricity in a Virtual Environment.* Proceedings

from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Borges, B. & **Anderson, R.** (2020). *Using a Head-to-Head Electrical Troubleshooting*

*Championship Contest to Improve Student Engagement and Knowledge.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster.**

McCubbins, O., **Anderson, R.** & Borges, B. (2020). *Preparing Career and Technical Education*

*Majors for Laboratory Management through Virtual Reality.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Swafford, M. & **Anderson, R.** (2020). *Virtual Risk Assessment in the Agricultural Mechanics*

*Laboratory.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

**Anderson, R.,** Franklin, E., & Preisner, N. (2020). *The Irrigation Association’s Agricultural*

*Faculty Academy: Addressing Complex Problems.* American Association for Agricultural

Education Conference, Oklahoma City, OK.

Ussery, S., Dusenbery, R., Swafford, M., & **Anderson, R.** (2020). Scan to see me teach!

American Association for Agricultural Education Conference, Oklahoma City, OK. **Distinguished Innovative Idea Poster.**

**Anderson, R.** (2019). *Agricultural Externship: Where Careers and the Classroom Connect.*

Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Cortez, L., & **Anderson, R**. (2019). *The Chocolate Rendezvous: A Black-Tie Fundraiser.*

Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Swafford, M., & **Anderson, R.** (2019). *Increasing Access to Agricultural Mechanics Dual*

*Credit Opportunities while Maintaining Higher Learning Commission (HLC) Accreditation: A Hybrid Strategy* Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

**Anderson, R.,** Franklin, E., & Preisner, N. (2019). *The Irrigation Association’s Agricultural*

*Faculty Academy: Addressing Complex Problems.* Western American Association for Agricultural Education Conference, Anchorage, AK.

**Anderson, R.** (2019). *Agricultural Externship: Where Careers and the Classroom Connect.*

American Association for Agricultural Education Conference, Des Moines, IA.

Cortez, L., & **Anderson, R**. (2019). *The Chocolate Rendezvous: A Black-Tie Fundraiser*

American Association for Agricultural Education Conference, Des Moines, IA. **Outstanding Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2019). *Timber… Practical Training for Real-World*

*Applications.* American Association for Agricultural Education Conference, Des Moines, IA. **Distinguished Innovative Idea Poster**

Rasty, J., McCubbins, OP, Frutchey, R., & **Anderson, R.** (2018). *Team-Based Learning: A*

*Professional Development Model for Training the Trainer*. Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2018). *Timber… Practical Training for Real-World*

*Applications.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.**Distinguished Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2018). *Using RubiStar to Develop Agricultural Mechanics*

*Rubrics.* *Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.* **Distinguished Innovative Idea Poster**

Wells, T., & **Anderson, R. G.** (2017). *3-2-4-1: Teaching critical thinking and communication*

*skills through skill-based performance evaluation.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Innovative Idea Poster**

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.

Wells, T., Byrd, P., & **Anderson, R.** (2017). *Aligning with Industry: Using Virtual Reality*

*Technology to Provide Psychomotor Skill Development and Assessment in a Post-secondary Setting.* North Central American Association for Agricultural Education Conference, Ames, IA.

McCubbins, OP., **Anderson, R.,** & Paulsen, T. (2017). *Enhancing Career Development*

*Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, T. & **Anderson, R**. (2017). *Developing and Using Oral Verbalization Skills During Welding Activities in an Agricultural Mechanics Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA. (**Runner-up for Outstanding Innovative Idea Poster**).

Wells, T. & **Anderson, R.** (2017). *Utilizing Torchmate EDU Student Software to Introduce*

*Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, T. & **Anderson, R.** (2016). *Utilizing Torchmate EDU Student Software to Introduce*

*Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.*

National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Distinguished Innovative Idea Poster**

Wells, T. & **Anderson, R.** (2016). *Utilizing Torchmate EDU Student Software to Introduce*

*Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.* North-Central American Association for Agricultural Education Conference, Lafayette, IN.

Rasty, J., McCubbins, OP, Frutchey, R., & **Anderson, R.** (2016). *Team-Based Learning: A*

*Professional Development Model for Training the Trainer*. American Association for Agricultural Education Conference, Kansas City, MO.

Swafford, M., & **Anderson, R.** (2016). *Using RubiStar to Develop Agricultural Mechanics*

*Rubrics.* American Association for Agricultural Education Conference, Kansas City, MO.

McCubbins, OP, Paulsen, T. H., **Anderson, R**. & Bender, H. (2016) *Utilizing the tuning*

*protocol to critically evaluate team-based learning modules and components.* International Team-Based Learning Collaborative Conference, Albuquerque, NM.

McCubbins, OP, **Anderson, R.,** Frutchey, R., & Rasty, J. (2016) *Team-based learning: A*

*professional development model for training the trainer.* International Team-Based Learning Collaborative Conference, Albuquerque, NM.

Frutchey, R., McCubbins, OP, & **Anderson, R**. (2016) *Utilizing facebook profile worksheets*

*to enhance higher order thinking skills in team-based learning courses.* International Team-Based Learning Collaborative Conference, Albuquerque, NM.

Byrd, P., & **Anderson, R**. (2016). *Graduate Student Entrepreneurship: Answering the*

*Professional Development Needs of Secondary Agricultural Education Teachers.* Southern Region American Association for Agricultural Education Conference, San Antonio, TX.

Anderson, S., & **Anderson, R.** (2015). *Utilizing industry experts to enhance the agricultural*

*mechanics instruction.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Rasty, J. & Anderson, R. (2015). *Jerry Springer Moment.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Rasty, J. & Anderson, R. (2015). *Jerry Springer Moment.* North-Central American Association

for Agricultural Education Conference, Minneapolis, MN. (**1st Runner-up for Outstanding Innovative Idea Poster**).

McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Utilizing snapchat to prepare for Career*

*Development Events.* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Anderson, S., & **Anderson, R.** (2015). *Utilizing industry experts to enhance the agricultural*

*mechanics instruction.* American Association for Agricultural Education Conference, San Antonio, TX.

McQuillen, J.,McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Getting students to go*

*kahoot for assessments.* American Association for Agricultural Education Conference, San Antonio, TX.

Caudle, L., McCubbins, OP. Paulsen, T., & **Anderson, R**. (2015). *Public service announcement:*

 *Spreading farm safety awareness through the use of the mobile application, glide.*

 American Association for Agricultural Education Conference,San Antonio, TX.

Wells, T. & **Anderson, R**. (2015). *Incorporating Experiential Learning Principles into a*

*Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* American Association for Agricultural Education Conference, San Antonio, TX.

McCubbins, OP, Paulsen, T. H. & **Anderson, R**. (2015). *Utilizing gradecam to foster immediate*

*feedback for learners.* International Team-Based Learning Collaborative Conference, St. Petersburg, FL.

**Anderson, R**. (2014). *Extreme Agricultural Mechanics Makeover*. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 1st place.**

Wells, T. & **Anderson, R**. (2014). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Caudle, L., Paulsen, T., & **Anderson, R**. (2014). *Public Service Announcement: Spreading Farm Safety Awareness Through The Use of the Mobile Application, Glide.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 2nd place.**

Byrd, P., & **Anderson, R**. (2014). *Graduate Student Entrepreneurship: Answering the*

*Professional Development Needs of Secondary Agricultural Education Teachers.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 3rd place.**

Byrd, P., & **Anderson, R**. (2014). *Utilizing the Arc+ Simulator to Teach Students Gas Tungsten*

 *Arc Welding (GTAW).* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

**Anderson, R**. (2014). *Extreme Agricultural Mechanics Makeover*. North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Wells, T. & **Anderson, R**. (2014). *Utilizing Authentic Assessment Strategies in a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Laboratory Management Competencies.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Wells, T. & **Anderson, R**. (2014). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA. **Distinguished Innovative Idea Poster, 2nd place**

Caudle, L., Paulsen, T., & **Anderson, R**. (2014). *Public Service Announcement: Spreading Farm*

*Safety Awareness Through The Use of the Mobile Application, Glide.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA. **Outstanding Innovative Idea Poster**

McCubbins, OP., **Anderson, R**., & Paulsen, T. (2014). *Enhancing Career Development Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Smith, T., Paulsen, T., & **Anderson, R**. (2014). *Utilizing the Tuning Protocol to Develop Student*

*Teacher Confidence in Lesson Planning.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

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.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Byrd, A**.**, **Anderson, R.,** & Stone, R.(2014). *The Use of Virtual Welding Simulators to Evaluate Experienced Welders.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

McCubbins, O., **Anderson, R**., & Wells, T. (2014). *Enhancing Agricultural Mechanics*

*Laboratory Awareness with Snapchat: A snapshot of Agricultural Mechanics Safety Concerns.* American Association for Agricultural Education Conference, Salt Lake City, UT. **Distinguished Innovative Idea Poster.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Can Dexterity Predict Future Performance of*

*Novice Welders?* American Association for Agricultural Education Conference, Salt Lake City, UT.

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*. American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., **Anderson, R**., & Wells, T. (2014). *Using Interactive Gaming to Introduce Students to*

*Gas Tungsten Arc Welding (GTAW).* American Association for Agricultural Education Conference, Salt Lake City, UT.

Wells, T., Parr, B., & **Anderson, R**. (2013). *Utilization of a Replication of the 2011*

*Alabama State FFA Agricultural Mechanics Career Development Event to Determine Selected Students’ Levels of Agricultural Mechanics Knowledge and Skills.* *National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.* **Outstanding Innovative Idea Poster 1st place.**

Wells, T., **Anderson, R**., Perry, D., & Byrd, P. (2013). *Utilizing the Agricultural Marketing*

*Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students.* North Central Region American Association for Agricultural Education Conference, Platteville, WI. **Outstanding Innovative Idea Poster 1st Runner-up.**

Rudolphi, J. & **Anderson, R**. (2013). *Pin It! Using Pinterest in the Agricultural Mechanics*

*Laboratory.* American Association for Agricultural Education Conference, Columbus, OH.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2013). *Big Brother is Watching…Utilizing*

*Split-Screen Technology to Enhance Teacher Efficacy.* American Association for Agricultural Education Conference, Columbus, OH.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2013). *The Sixth Sense: Developing an*

*Agricultural Mechanics Laboratory Awareness.* American Association for Agricultural Education Conference, Columbus, OH.

Rudolphi, J. & **Anderson, R**. (2012). *Pin It! Using Pinterest in the Agricultural Mechanics*

*Laboratory.* North Central Region American Association for Agricultural Education Conference, Champaign, IL. **1st place student innovative idea poster.**

Byrd, P. & **Anderson, R**. (2012). *Integrating Virtual Reality to Reduce Anxiety in Beginning*

*Welders.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Paulsen, T., Retallick, M., **Anderson, R**., & Miller, W. (2012). *Coordinating the Chatter:*

*Using Twitter as a Medium for a Student Teacher Community of Practice.* American Association for Agricultural Education Conference, Asheville, NC. **1st****place faculty innovative idea poster.**

Byrd, P. & **Anderson, R**. (2012). *Green welding…utilizing the VRTEX 360 to reduce our carbon*

 *footprint*. American Association for Agricultural Education Conference, Asheville, N.C.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2012). *Reducing School Liability by*

*Incorporating Brake Activation Devices on Woodworking Equipment.* American Association for Agricultural Education Conference, Asheville, N.C.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching… Utilizing*

*Split-Screen Technology to Enhance Teacher Efficacy.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL. **1st place student innovative idea poster.**

Paulsen, T., Retallick, M., **Anderson, R**., & Miller, W. (2012). *Coordinating the Chatter:*

*Using Twitter as a Medium for a Student Teacher Community of Practice.* Southern Region American Association for Agricultural Education Conference,Birmingham, AL. **1st place faculty innovative idea poster.**

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2012). *The Sixth Sense: Developing an*

*Agricultural Mechanics Laboratory Awareness.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2012). *Reducing School Liability by*

*Incorporating Brake Activation Devices on Woodworking Equipment.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Byrd, P. & **Anderson, R**. (2011). *Green welding…utilizing the VRTEX 360 to reduce our carbon*

*footprint.* North Central Region American Association for Agricultural Education Conference, University Park, PA.

Rudolphi, J. & **Anderson, R.** (2011). *The Facebook Experience: Creating Small Engine Parts*

*Profiles to Increase Higher Order Thinking Skills*. American Association for Agricultural Education Conference, Coeur D’Alene, ID. **1st place student innovative idea poster.**

**Anderson, R.** (2010). *Utilizing Industry Experts to Provide Enhanced Agricultural Mechanics*

*Skills to Secondary Instructors.* Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Anderson, S., & **Anderson R**., Miller, R., & Swafford, M. (2007). *Spanish For The Agricultural*

 *Industry.* American Association for Agricultural Education, Reno NV.

**NON-REFERRED POSTER PRESENTATION**

McCubbins, OP, Wells, K.T., **Anderson, R**., & Paulsen, T. (2013). Teacher-perceived adequacy

ff tools and equipment to teach agricultural mechanics. Poster presented at the National Association of Agricultural Educators Organizational Members and Business Partners Reception, Las Vegas, NV.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching…Utilizing Split-Screen Technology to Enhance Teacher Efficacy.* Presented at the CELT Teaching Poster Symposium. Ames, IA.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2012). *The sixth sense: Developing an*

*agricultural mechanics laboratory awareness.* Presented at the CELT Teaching Poster Symposium. Ames, IA.

Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *Mechanics-Related In-service Needs of*

*Agriculture Teachers: Does Teaching Experience Matter?* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

 **Outstanding Student Research Poster- 1st Place.**

Perry, D., Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *The Relationship between the*

*Amount of Agricultural Mechanics Training and Skills Received at the Secondary and Post-secondary Levels.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Distinguished Student Research Poster- 2nd Place.**

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching…Utilizing*

*Split-Screen Technology to Enhance Teacher Efficacy.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Byrd, P. & **Anderson, R**. (2012). *Integrating Virtual Reality to Reduce Anxiety in Beginning*

*Welders.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN

Perry, D., Williams, R., & **Anderson, R.** (2011). *Comparison of Personal Protection*

 *Equipment Availability and Usage in Selected Secondary Agricultural Mechanics*

*Programs.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Shultz, M, **Anderson, R**., & Anderson, S. (2011). *Safety Analysis of Post-Secondary*

 *Students Enrolled in Welding Courses: Does Past Experience Affect Safety*

*Attitudes and Behaviors?* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award**

Byrd, P. & **Anderson, R**. (2011). *Green welding…utilizing the VRTEX 360 to reduce our carbon*

*footprint.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award- Runner-Up**

Driscoll, B., Retallick, M., & **Anderson. R**. (2010). *Graduates Perspective on the Impact of the*

*Integration of Experiential Learning in Academic Programs.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award**

Rudolphi, J., Retallick, M., & **Anderson, R**. (2010). *Integration and Needs of Iowa Agricultural*

*Educators Regarding Agricultural Health and Safety Education in Schools.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award- Runner-Up**

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary*

*Schools Regarding Students Enrollment and Integrated Mathematics.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary*

*Schools Regarding Agriculture Program Support*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Totty, C., & **Anderson, R**. (2010). *Survey of Agricultural Mechanics Curriculum for*

*Agricultural Science Teacher Certification: A Delphi Study.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

**PROFESSIONAL TRAINING and WORKSHOPS**

**Anderson, R.** (2023, August 1-10). Agricultural Mechanics Academy. San Marcos, TX.

**Anderson, R.** & Borges, B. (2023, July 16- 21). Women of Welding Camp. San Marcos, TX.

**Anderson, R.** (2022, August 1-11). Agricultural Mechanics Academy. San Marcos, TX.

**Anderson, R.** & Borges, B. (2022, July 17- 22). Women of Welding Camp. San Marcos, TX.

Saucier, R., **Anderson, R**., & Blackburn, J. (2021, November). STEM integration into

agriculture through math and applied engineering: Pathway to preparing an ATMS CDE Team.Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

**Anderson, R.** (2021, July 19-August 5). Agricultural Mechanics Academy. San Marcos, TX.

**Anderson, R.** (2019, July). Agricultural Mechanics Boot camp. Dixon, IL.

Guetler, A & **Anderson, R**. (2019, July). Introduction to Two-Cycle Engines. Dixon, IL

**Anderson, R**. (2019, June). Bell Ringers in Agricultural Mechanics. Professional development

workshop presented at Illinois Association of Vocational Agriculture Teachers Conference. Decatur, IL.

Swafford, M., & **Anderson, R.** (2018, November). Dairy Foods Career Development Event

 Workshop. Dixon, IL.

**Anderson, R.** (2018, July). Agricultural Mechanics Boot camp. Dixon, IL.

**Anderson, R**., & Rasty, J. (2018, July). Torchmate workshop, Dixon, IL.

Guetler, A & **Anderson, R**. (2018, July). Introduction to Two-Cycle Engines. Dixon, IL.

Franklin, E., & **Anderson, R.** (2018, July). Introduction to Electricity workshop, Dixon, IL.

**Anderson, R**., & Rasty, J. (2018, June). Shop project ideas. Professional development workshop

presented at Illinois Association of Vocational Agriculture Teachers Conference. Decatur, IL.

**Anderson, R.** (2018, June). Team-based learning: Engaging students in a flipped course design

to meet the needs of 21st century learners. Professional development workshop presented at Illinois Assocation of Vocational Agriculture Teachers Conference. Decatur, IL.

Hageman, M., & **Anderson, R.** (2018). Grant writing in Agricultural Education. Dixon, IL.

Gillihan, S. & **Anderson, R.** (2018, January). Introduction to Gas Metal Arc Welding. Dixon,

 IL. Lee & Whiteside County Farm Bureau Members.

Gillihan, S. & **Anderson, R.** (2018, January). Introduction to Shielded Metal Arc Welding.

Dixon, IL. Lee & Whiteside County Farm Bureau Members.

**Anderson, R.** (2017, October). Preparing for the National Agricultural Technology &

 Mechanical Systems Career Development Event. Muscatine, IA. FFA. Dixon, IL.

Larsen, K. & **Anderson, R.** (2017, September). Ag Metal Fabrication: basic welding and cold-

steel projects. Illinois IAVAT Student Branch Committee STAR Bus Trip. Sycamore, IL.

Guetler, A & **Anderson, R**. (2017, July). Introduction to Two-Cycle Engines. Dixon, IL.

McCubbins, OP, **Anderson, R**., & Wells, T. (2017, March). Team-based learning:

 Engaging students in a flipped course design. Ames, IA.

Sperfslage, A., Franker, B., & **Anderson, R**. (2017, March). Agricultural Marketing Resource

Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Tucson, AZ.

Sperfslage, A., Franker, B., & **Anderson, R.** (2017, February). Agricultural Marketing Resource

Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Baton Rouge, LA.

Sperfslage, A., Franker, B., & **Anderson, R**. (2017, January). Agricultural Marketing Resource

Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Lexington, KY.

**Anderson, R**. & Wells, T. (2016, December). Introduction to Stihl Two-Cycle Engines. Ames,

 IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016, November). Team-based learning:

Engaging students in a flipped course design. Ignite Workshop presented at the Association for Career and Technical Education Research Conference. Las Vegas, NV.

**Anderson, R**., Rasty, J., & Frutchey, R., (2016, July). Welding Boot camp, Ames, IA

**Anderson, R.,** Rasty, J.,& Frutchey, R. (2016, July). Advanced Torchmate workshop, Ames,

IA.

**Anderson, R.,** Rasty, J., & Frutchey, R. (2016, July). Torchmate workshop, Ames, IA.

Franklin, E., & **Anderson, R.** (2016, June). Introduction to Electricity workshop, Ames, IA.

**Anderson, R**., Rasty, J., Frutchey, R., & McCubbins, O. (2016, May). Agricultural Mechanics

 Boot camp. Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, November). Team-based learning:

Engaging students in a flipped course design to meet the needs of 21st century learners. Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

Rasty, J. & **Anderson, R**. (2015, November). Agricultural Marketing Resource Center

Curriculum. Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, November*). Team-based learning:*

*Engaging students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at Association for Career & Technical Education Research conference, New Orleans, LA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R.** (2015, September). Team-based learning:

Engaging students in a flipped course design to meet the needs of 21st century learners. Professional development workshop presented at Association for Career & Technical Education Best Practices and Innovations conference, Phoenix, AZ.

McCubbins, O., **Anderson, R**., Rasty, J., & Frutchey, R., (2015, July). Welding Boot camp,

Ames, IA.

Franklin, E., & **Anderson, R.** (2015, July). Introduction to Electricity workshop, Ames, IA.

**Anderson, R.,** Rasty, J., Frutchey, R., & McCubbins, O. (2015, July). Torchmate workshop,

Ames, IA.

Rasty, J. & **Anderson, R**. (2015, June). Agricultural Marketing Resource Center Curriculum.

Professional development workshop presented at National Association of Agricultural Educators National Conference, Ankeny, IA.

**Anderson, R**. (2015, June). Easy Cheese Welding. Professional development workshop

presented at the Iowa Association for Career & Technical Education Research conference, Ankeny, IA.

**Anderson, R**. (2015, June). Developing Cross-Curricular Student Engagement Activities.

Professional development workshop presented at the Iowa Association for Career & Technical Education Research conference, Ankeny, IA.

Franklin, E., & **Anderson, R**. (2015, June). Introduction to Electricity workshop, Tucson, AZ.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, May*). Team-based learning: Engaging*

*students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at the National meeting of the American Association of Agricultural Educators, San Antonio, TX

**Anderson, R**., Rasty, J., Frutchey, R., & McCubbins, O. (2015, May). Agricultural Mechanics

 Boot camp. Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, April). *Team-based learning:*

*Engaging students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at the Association for International Agricultural and Extension Education, Wageningen, The Netherlands.

**Anderson, R.** (2014). Grant writing in Career & Technical Education. Ames, IA.

McCubbins, O., **Anderson, R**., & Wells, T. (2014). *Enhancing Agricultural Mechanics*

*Laboratory Awareness with Snapchat: A snapshot of Agricultural Mechanics Safety Concerns*. Presentation given at the 60th Annual North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Morris, Z. & **Anderson, R**. (December, 2013). *The Salsa Project*. Presentation given at the

 National Association of Agricultural Education Teachers Conference, Las Vegas, NV.

Rudolphi, J. & **Anderson, R.** (December, 2012). *Pin It! Using Pinterest to Collect, Share, and*

*Store Ag Mechanics Projects*. Presentation given at the National Association of Agricultural Education Teachers Conference, Atlanta, GA.

**Anderson, R.** Byrd, A., & Perry, D. (June, 2012). *Preparing a Team for the Agricultural*

*Mechanics Career Development Event.* Presentation given at the Iowa Association of Agricultural Education Teachers Conference, Ankeny, IA.

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.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R**. (March, 2012). Beginning Mig Welding Workshop. Ames, IA.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R.** (February, 2012). Beginning Oxy-Fuel Welding Workshop. Ames, IA.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R.** (January, 2012). Mig Welding Workshop for

 Iowa State University Extension farm employees. Ames, IA.

Byrd, A., Perry, D., Shultz, M., & **Anderson, R**. (December, 2011). *Beginning Arc Welding*

 *Workshop*. Ames, IA.

Byrd, A., **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.

Perry, D., Byrd, A., & **Anderson, R.** (November, 2011). *Electricity 101: Basic electrical*

*wiring fundamentals.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Rudolphi, J., **Anderson, R.** & St. Clair, S. (November, 2011).*Utilizing Facebook to enhance*

*higher order thinking skills in small engines parts identification lessons.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Silvey, M. & **Anderson, R.** (November, 2011). *Utilizing alternative energy kits tointroduce*

*emerging technology in Agricultural Science.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

**Anderson, R.** (August, 2011). *Introduction to Parliamentary Procedure.* Presentation given at

 the Professional and Scientific Council Meeting, Iowa State University. Ames, IA.

**Anderson, R**. (June, 2011). *Old dogs-New tricks: Easy-Cheese Welding.* Presentation

 given at the Iowa Association of Agricultural Education Teachers Conference,

 Ankeny, IA.

O’Banion, B. & **Anderson, R**. (March, 2011). *Advocating for Agriculture- Putting theory to*

*practice*. Presentation given at the Ag Day Collegiate Leadership Summit. Washington D.C.

O’Banion, B. & **Anderson, R**. (March, 2010). *Advocating for Agriculture- Putting theory into*

*action*. Presentation given at the Ag Day Collegiate Leadership Summit. Washington D.C.

**INVITED PRESENTATIONS**

**Anderson, R.** (Spring, 2023). The Purpose of Advisory Committees in Agricultural Education.

Texas State University, San Marcos, TX.

**Anderson, R.** (Spring, 2023). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

**Anderson, R.** (Fall, 2022). Careers in Agricultural Education & Mechanics. Texas State

University, San Marcos, TX.

**Anderson, R.** (Fall, 2022). Careers in Agricultural Education & Mechanics. Texas State

University, San Marcos, TX.

**Anderson, R.** (Fall, 2022). Texas State University Agricultural Mechanics Engaging the Future

Welding Workforce. American Welding Society Welding Summit, The Woodlands, TX.

**Anderson, R.** (Fall, 2022). Becoming a Productive Scholar and Researcher. New Faculty

Orientation. Texas State University, San Marcos, TX.

**Anderson, R.** (Spring, 2022). The Purpose of Advisory Committees in Agricultural Education.

Texas State University, San Marcos, TX.

**Anderson, R.** (Spring, 2022). Careers in Agricultural Education & Mechanics. Texas State

University, San Marcos, TX.

**Anderson, R.** (Fall, 2021). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

**Anderson, R.** (Fall, 2021). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

Drewery, M. & **Anderson, R**. (Fall, 2021). USDA and underrepresented students: three on-going

programs at TXST. 2021. *Texas State* *University HSI Symposium. San Marcos, TX.*

**Anderson, R.** (Spring, 2021). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

**Anderson, R.** (Fall, 2020). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

**Anderson, R.** (2020). Careers in Agricultural Education. Texas State University, San Marcos,

TX.

Blackburn, J., McKibben, J., **Anderson, R.,** McCubbins, O., & Granberry, T (2020). You

want me to teach WHAT online?: Tips, Tricks, and Discussions for Engaging Students Online. Louisiana Agricultural Teachers Association.

Blackburn, J., **Anderson, R**., & McKibben, J. (2020). You want me to teach WHAT online?:

Tips, Tricks, and Discussions for Engaging Students Online. National Association of Agricultural Educators

**Anderson, R. (2020).** An Introduction to Zoom. Texas State University Department of

Agricultural Sciences Faculty, Staff, and Graduate Students. San Marcos, TX.

**Anderson, R.** (2019). Careers in Agricultural Systems. Texas State University, San Marcos, TX.

**Anderson, R.** (2019). Careers in Agricultural Education. Texas State University, San Marcos,

TX.

**Anderson, R.** (2019). Careers in Agricultural Education. Texas State University, San Marcos,

TX.

**Anderson, R.** (2019). Overview of the Sauk Valley Community College Agriculture

Department. Ogle County Farm Bureau, Oregon, IL.

**Anderson, R.** (2019). Burning Questions about College! Bureau Valley High School

 Agricultural Education Classes, Manlius, IL.

**Anderson, R.** (2019). Overview of the Sauk Valley Community College Agriculture

 Department. Sterling Rotary Club, Sterling IL.

**Anderson, R.** (2019). Burning Questions about College! Polo High School Agricultural

Education Classes, Polo, IL.

**Anderson, R.** (2019). Sauk Valley Community College Agricultural Department Update.

 Farmer’s Night, Rock Falls Rotatory, Rock Falls, IL.

**Anderson, R.** (2019). Burning Questions about College! Ashton-Franklin Center High School

 Agricultural Education Classes, Ashton, IL.

**Anderson, R.** (2019). Burning Questions about College! Amboy High School Agricultural

Education Classes, Amboy, IL.

**Anderson, R.** (2019). Sustainable Agriculture for a Better Tomorrow. Action for a Better

 Tomorrow- Sauk Valley Chapter, Dixon, IL.

**Anderson, R.** (2018). Burning Questions about College! Forreston High School Agricultural

Education Classes, Forreston, IL.

**Anderson, R.** (2018). Here by the ear of corn…Agricultural Careers. Illinois FFA District One

Greenhand Conference. Oregon, IL.

**Anderson, R.** (2018). Exploring plant science. Lee County Farm Bureau Agriculture Expo,

 Amboy, IL.

**Anderson, R.** (2018). Raising Chickens. Sterling FFA Farmapolooza, Sterling, IL.

**Anderson, R.** (2018). Burning Questions about College! LaMoille High School Agricultural

Education Classes, LaMoille, IL.

**Anderson, R.** (2018). Burning Questions about College! Ohio High School Agricultural

Education Classes, Ohio, IL.

**Anderson, R.** (2018). Burning Questions about College! Polo High School Agricultural

Education Classes, Polo, IL.

**Anderson, R.** (2018).Introduction to Oxy-Acetylene cutting. Amboy High School welding

 classes. Amboy, IL.

**Anderson, R.** & Eichmann, R.(2018). Drones 101. Sterling Federal Bank Agriculture Series.

 Dixon, IL.

**Anderson, R.** (2018). Burning Questions about College! Chadwick-Milledgeville High School

 Agricultural Education Classes, Milledgeville, IL.

**Anderson, R.** (2018). Life as a Soil Scientist. Northern Illinois 4-H Science Siesta 2018,

 Discovery Center Children’s Museum. Rockford, IL.

**Anderson, R.** (2018). Burning Questions about College! Oregon High School Agricultural

 Education Classes, Oregon, IL.

**Anderson, R.** (2018). Burning Questions about College! Prophetstown High School Agricultural

 Education Classes, Prophetstown, IL.

**Anderson, R.** (2018). Partnerships in Agriculture, a collaboration between Sauk Valley

 Community College and Dixon Public Schools. Dixon Kiwanis, Dixon, IL.

**Anderson, R.** (2018). The future of agriculture at Sauk Valley Community College. Rock Falls

 Rotary, Rock Falls, IL.

**Anderson, R.** (2018). Burning Questions about College! Bureau Valley Agricultural Education

Classes, Sheffield, IL.

**Anderson, R.**, Burrs, D., & Willet, J. (2018). Agricultural opportunities. Presented to Dixon

 Public School Students and Parents, Dixon, IL.

**Anderson, R.** (2018). Can Robots Plant and Care for your Garden? The Farmbot Genesis is

changing how we view vegetable production. The technology could shift labor needs in the horticulture production workforce. Tech Talk, Sauk Valley Community College, Sterling, IL.

**Anderson, R.** (2018). Burning Questions about College! Sterling Agricultural Education

Classes, Sterling, IL.

**Anderson, R.** (2018). Agriculture at Sauk Valley Community College. Lee County Farm Bureau

Young Leader and FFA Acquaintance Program. Amboy, IL.

**Anderson, R.** (2018). A Family Conversation of Bringing the Next Generation Home. Sauk

Valley Agriculture Workshop Illinois Small Business Development Center at Sauk Valley Community College. Dixon, IL.

**Anderson, R.** (2017). Burning Questions about College! Amboy Agricultural Education Classes,

 Amboy, IL.

Aakre, C., Busdieker, L., **Anderson, R.,** & Scales, J. (2017). Challenges for Ag Mechanics

Instructors: An Interactive Discussion. Panel of Experts, Midwest Agricultural Mechanics Instructors Conference. Orland Park, IL.

**Anderson, R.** (2016). Introduction to Agricultural Mechanics. Presentation given to University

 of Kentucky Agricultural Education student teachers. Lexington, KY.

**Anderson, R.** (2015). 3D Printers and other technology used in Agricultural Education.

Presentation given to Iowa State University Pre-service Science Education teachers, Ames, IA.

**Anderson, R.** (2014). Your Passport to Success: Faculty Panel Discussion. Presentation

 given to Destination Iowa State participants, Ames. IA.

**Anderson, R.** (2013). Your Passport to Success: Faculty Panel Discussion. Presentation

 given to Destination Iowa State participants, Ames. IA.

**Anderson, R.** (2012). Safe setup and handling of Oxy-Acetylene Systems. Presentation

 given to Iowa State University Farm Managers. Ames, IA.

**Anderson, R.** (2012).Sumer Orientation Faculty/Adviser Panel: Key Topics for Family

 Members. Presentation given to Destination Iowa State participants, Ames. IA.

**Anderson, R.** (2012). STEAM. Presentation given to the Center for Excellence in

Science, Mathematics, and Engineering Education at Iowa State University. Ames, IA.

**Anderson, R.** (2011). Safe setup and handling of Oxy-Acetylene Systems. Presentation

 given to Iowa State University Farm Managers. Ames, IA.

**Anderson, R**., & Byrd, A. (2011). The future of agricultural mechanics at Iowa State University.

 Presentation given to students enrolled in AgEdS 327 at Iowa State University. Ames, IA.

**Anderson, R**., Buttle, T., De Lay, A., Warnick, B., Park, T., & Townsend, C. (2007). *Critical*

 *Thinking.* Workshop presented at OMEGA Conference. Indianapolis, IN.

Driskill, D. & **Anderson, R**. (2007). College 101. Workshop presented at Livingston County

 High School.

Driskill, D. & **Anderson, R**. (2007). Money, Money, Money: Stay in School! Workshop

 presented at Livingston County Middle School.

**ACADEMIC ADVISING**

**Texas State University**

Supervision of Texas State University Student Teachers

|  |  |  |  |
| --- | --- | --- | --- |
| Student | School | Semester | Year |
| Michelle Owen | James Madison  | Spring | 2023 |
| Sarah Parks | Wimberley | Spring | 2023 |
| Marissa Perusquia | New Braunfels | Spring | 2023 |
| Alyssa Rios | Canyon New Braunfels | Spring | 2023 |
| Haley Rios | Lockhart | Spring | 2023 |
| Dominike Uscanga | Canyon Lake | Spring | 2023 |
| Krystal De La Cruz | San Marcos | Spring | 2022 |
| Krystal Neely | James Madison | Spring | 2022 |
| Nichole Smith | Wimberley | Spring | 2022 |
| Sam Schwertlech | Canyon New Braunfels | Spring | 2022 |
| Renae Bowie | Vandergrift | Spring | 2021 |
| Leah King | Vandergrift | Spring | 2021 |
| Heather Niles | James Madison | Spring | 2021 |
| Alyssa Peterson | Canyon Lake | Spring | 2021 |
| Tatum Bauer | McMullen County | Spring | 2020 |
| Maddisyn Farmer | Canyon New Braunfels  | Spring | 2020 |
| Melissa Gold | Dripping Springs | Spring | 2020 |
| Cory Grant | Lehman  | Spring | 2020 |
| Nate Nicholson | Weiss | Spring | 2020 |
| Cody Poerner | Marion  | Spring | 2020 |
| Makayla Sosa | Cedar Park | Spring  | 2020 |

Service to Graduate Student Research

 **Student Degree Role Grad. Date**

Uddin, Jasim Engineering Committee Member 08/2023

Bayer, Maggie Integrated Agriculture Major Professor 05/2025

Keith, Meredith Integrated Agriculture Major Professor DNF

Kornegay, Kennedy Integrated Agriculture Major Professor 05/2023

Boyer, Hannah Integrated Agriculture Committee Member 05/2023

Heibel, Brittney Integrated Agriculture Major Professor 12/2022

Moore-Thomas, Jhessye Integrated Agriculture Committee Member 05/2022

Parks, Sarah Integrated Agriculture Major Professor 05/2025

Sykora, Rhett Integrated Agriculture Major Professor 05/2024

Tasci, Kayra Integrated Agriculture Committee Member 05/2023

York, Kacie Integrated Agriculture Major Professor DNF

Completed Supervised Graduate Student Research

**Student Degree Role Grad. Date**

Heibel, Brittney M.S. Integrated Agriculture Major Professor 12/202

Thesis: Identifying the Effects of Integrating Virtual Reality Technology into Beginning Welder Training

 Completed Supervised Undergraduate Student Research

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Project | Sem. | Year |
| Ramos, Jacob | Identifying Teacher’s Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop | Fall | 2022 |
| Boedeker, Schilar | Teachers’ perceptions of tools available to teach welding | Spring | 2022 |
| Garza, Lourdez | Teachers’ perception of their ability to perform welding skills | Spring | 2022 |
| Hudson, Kelly | Teachers’ perception of their welding knowledge | Spring  | 2022 |
| Keith, Meredith | Teachers’ perception of their ability to teach welding | Spring | 2022 |
| Kornegay, Kenedy | Teachers’ perceptions of the importance to teach welding | Spring | 2022 |
| Ramos, Jacob | Developing Industry Partnerships to Provide Welding Certifications. | Fall  | 2021 |
| Catalan, Emily | Learning Management Software (LMS) for Teaching Agricultural Science: The Role of Age in Faculty’s Adoption Before and During Covid-19. | Spring | 2021 |
| Garza, Gabby | Online teaching workshops and conferences: a COVID-19 survey on faculty teaching agricultural sciences | Spring | 2021 |
| Garza, Lourdez | Determining the professional development needs of students using an Augmented Reality welding system. | Spring | 2021 |
| Kornegay, Kenedy | Faculty Participation in Formal, Non-formal, and Informal Teaching Training Prior to and as a Result of Covid-19. | Spring | 2021 |
| Ramos, Jacob | Identifying the relationship between virtual assisted welding instruction and welding performance. | Spring | 2021 |
| Rowe, Zoe | Challenges and Opportunities faced by Veterinary Technicians in the Workplace during COVID-19 | Spring | 2021 |
| Tasci, Kayra | Changes in Academic Rigor and Faculty Perception of Student Learning in the Post-Secondary Classroom During COVID-19. | Spring | 2021 |

**Sauk Valley Community College**

Completed Supervised Undergraduate Honors Projects

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Project | Semester | Year |
| Duncan, Molly | Designing a Raised Bed Potato Garden | Spring | 2019 |
| Lundquist, Austin | Plant Media Growth Experiment | Spring | 2019 |
| Govig, Nolan | A Handbook to Convert Sauk Farms to Organics | Spring | 2019 |
| Smith, Katie | Establishing U.S.D.A. Guidelines for Eggs on Campus | Spring | 2019 |
| LeFevre, Madeline | Establishing A Farm Accounting System | Fall | 2018 |
| Smith, Katie | Developing Ag Club Guidelines | Fall | 2018 |
| Hart, KaleySmith, KatieHart, Kaley | Student Organizations in AgricultureIntroducing Hydroponics History of Agriculture at SVCC | SpringSpringFall | 201820182017 |

**Concordia University, Chicago**

Service to Graduate Student Research

**Student Degree Role Grad. Date**

Driskill, Ron EdD Educational Administration Reader 12/2018

**Iowa State University**

* Advise students in the agricultural education (certification and communication options) and agricultural studies degree programs
* Serve as graduate advisor to approximately twenty-three graduate students including two doctoral student
* Supervised student teachers in the Agricultural Education teacher certification option

Service to Graduate Student Research

 **Student Degree Role Grad. Date**

Artist, Jon MAG Masters of Agriculture Committee Member 05/2013

Boydston, Phillip M.S. Professional Agriculture Major Professor Inactive

Bowden, Jessica M.S. Agricultural Education Committee Member 08/2015

Byrd, Preston Ph.D. Agricultural Education Major Professor 08/2014

Clement, Brian M.S. Agricultural Education Major Professor 05/2014

Coons, Brian M.S. Agricultural Education Major Professor 12/2016

Day, Josh M.S. Agricultural Education Committee Member 08/2014

Floyd, Kori M.S. Agricultural Education Committee Member 12/2016

Franker, Bryghtyn M.S. Agricultural Education Major Professor 05/2017

Frutchey, Robert M.S. Agricultural Education Major Professor 12/2016

Gent, Nicole M.S. Agricultural Education Major Professor 08/2015

Gospodarcyzk, Paul M.S. Agricultural Education Major Professor 12/2012

Herrman, Chris M.S. Agricultural Education Major Professor 05/2017

Holdgrafer, Alaina M.S. Agricultural Education Major Professor 08/2016

Idhe, Caroline M.S. Agricultural Education Committee Member 05/2015

Jaeger O’Connell, Amy M.S. Agricultural Education Committee Member 05/2012

Jones, Andrea M.S. Agricultural Education Committee Member 08/2013

Lair, Emily M.S. Agricultural Education Major Professor 12/2016

Matthews, Jenifer M.S. Agricultural Education Committee Member 08/2015

McCubbins, OP Ph.D. Agricultural Education Major Professor 08/2016

Meddles, Alexandria M.S. Agricultural Education Major Professor 08/2016

Miller, Brian M.S. Agricultural Education Major Professor 05/2015

Mills, Denise M.S. Agricultural Education Co-Major Professor 05/2017

Mills, Van M.S. Agricultural Education Committee Member 12/2014

Olsen, Mai Lee M.S. Agricultural Education Major Professor 05/2017

Pepin, Randall MAG Masters of Agriculture Committee Member 05/2017

Rasty, John M.S. Agricultural Education Major Professor 08/2016

Raubenstine, Scott M.S. Agricultural Education Committee Member 08/2013

Shultz, Matt Ph.D. Agricultural Education Committee Member Inactive

Solomonson, Jay Ph.D. Agricultural Education Committee Member 12/2017

Sorenson, Gentry MAG Masters of Agriculture Committee Member 05/2016

Sperfslage, Angela M.S. Agricultural Education Committee Member 12/2019

Stremsterfer, Elly M.S. Agricultural Education Major Professor 05/2014

Taber, Colby M.S.. Agricultural Education Major Professor 08/2015

Thelen, Julie M.S. Agricultural Education Committee Member 05/2013

Van Steenwyk, Amanda M.S. Agricultural Education Major Professor 05/2018

Wells, Trent M.S.. Agricultural Education Major Professor 08/2013

Completed Supervised Graduate Student Research

**Student Degree Role Grad. Date**

Byrd, Preston Ph.D. Agricultural Education Major Professor 08/2014

Dissertation: Identifying the effects of human factors and training

methods on a weld training program

Clement, Brian M.S. Agricultural Education Major Professor 05/2014

Creative Component: Developing a 3D Landscape Design Course

Coons, Brian M.S. Agricultural Education Major Professor 12/2016

Creative Component: Developing an Introduction to basic electrical systems and electronics course for an Agricultural Engineering Technical program

Franker, Bryghtyn M.S. Agricultural Education Co-Major Professor 05/2017

Creative Component: My Journey to Proficiency in Agricultural Education

Frutchey, Robert M.S. Agricultural Education Major Professor 12/2016

Creative Component: Utilizing Team-Based Learning to teach an agricultural mechanics laboratory

Gent, Nicole M.S. Agricultural Education Major Professor 08/2015

Creative Component: Aligning secondary welding curriculum to meet industry standards

Gospodarcyzk, Paul M.S. Agricultural Education Major Professor 12/2012

Creative Component: Introduction to Web-Based Instruction Utilizing the Moodle Learning Management System

Herrman, Chris M.S. Agricultural Education Major Professor 05/2017

Creative Component: Developing an Introduction to Agriculture Class

for Avon Grove High School

Holdengrafer, Alaina, M.S. Agricultural Education Major Professor 08/2016

Creative Component: Welding Consumable Management Strategies Utilized in a Secondary Agricultural Mechanics Course

Lair, Emily M.S. Agricultural Education Major Professor 12/2016

Creative Component: My journey to proficiency in Agricultural Education

McCubbins, OP Ph.D. Agricultural Education Co-Major Professor 08/2016

Dissertation: Team-based learning in an undergraduate capstone course: Examining the effectiveness of a learner-centered instructional method for farm management and operation students.

Meddles, Alexandria M.S. Agricultural Education Major Professor 08/2016

Creative Component: Implementing an Agricultural Event Center at an Ohio farm show: A proposal

Miller, Brian M.S. Agricultural Education Major Professor 05/2015

Creative Component: Adult Welding Curriculum: Falls City

Mills. Denise M.S. Agricultural Education Co-Major Professor 05/2017

Thesis: Strength in diversity and diversity of strengths of state FFA officers: An analysis of Clifton StrengthsFinder® assessment data for state FFA officers, 2006-2010; 2012-2015

Olsen, Mai Lee M.S. Agricultural Education Major Professor 05/2017

Creative Component: Strategic Enrollment Management Plan

Rasty, John M.S. Agricultural Education Major Professor 08/2016

Creative Component: Identifying the agricultural mechanics trends in secondary agricultural education: A longitudinal study

Taber, Colby M.S. Agricultural Education Major Professor 08/2015

Creative Component: An Effective Guide to Livestock Evaluation

Wells, Trent M.S. Agricultural Education Major Professor 08/2013

Creative Component: Advancing the teaching & learning of agricultural mechanics: Connecting science, technology, engineering, & mathematics concepts

Completed Supervised Undergraduate Student Research

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Project | Semester | Year |
| Anderson, KaitlynFigland, WhitneyCampo, Dillon | Stihl Workshop Evaluation Post-Secondary Agricultural Education Majors’ Agricultural Mechanics Skills College Students’ Agricultural Mechanics Skills  | SpringSpringFall | 201720162011 |

Supervision of Iowa State University Student Teachers

|  |  |  |  |
| --- | --- | --- | --- |
| Student | School | Semester | Year |
| Branderhorst, Bre | Pleasantville | Spring | 2016 |
| Emerson, Alex | Gilbert | Spring | 2015 |
| Miller, Kylie | Boone & Norway | Spring | 2015 |
| Veach, Kassie | Muscatine | Spring | 2015 |
| Abbas, Travis | North Polk, Alleman | Spring | 2014 |
| Schmidt, Brett | Union, LaPorte City | Fall  | 2013 |
| Wiebe, Ashley | Muscatine | Spring  | 2012 |
| Burton, Rachel | Jefferson, Scranton | Spring  | 2012 |
| Henkes, Leah | Decorah | Fall  | 2012 |
| Spurgin, Bret | Pleasantville | Spring  | 2011 |
| Blakely, Samantha | Southeast Polk | Spring | 2011 |
| Beaman, Sarah | Winterset | Spring  | 2011 |
| Clark, Gary | Gilbert | Fall | 2010 |

**Murray State University**

* Advised approximately 16 undergraduates per semester
* Served on 11 master’s students committee’s
* Chaired 5 master’s students committee’s

Service to Graduate Student Research

**Student Degree Role Grad. Date**

Gossett, Justin M.S. Agricultural Science Major Professor n/a

Kass, Kay M.S. Agricultural Science Major Professor n/a

Massey, Jason M.S. Agricultural Science Major Professor 08/2008

Sharpe, Herbert M.S. Agricultural Science Major Professor 12/2007

Silvey, Mathew M.S. Agricultural Science Major Professor 08/2010

**PROFESSIONAL HONORS**

* Texas State University Presidential Distinction Award for Service (2023)
* Texas State University Presidential Award for Excellence in Scholarly/Creative Activities (2022)
* American Association For Agricultural Education Leadership Academy Fellow (2022-2023)
* North American College Teachers of Agriculture Jack Everly Outstanding Journal Article Award (2020)
* North American College Teachers of Agriculture Top Teaching Tip (2019).
* North American College Teachers of Agriculture Educator Award (2018)
* Amboy FFA Honorary Member (2018)
* Iowa Association of Association of Career and Technical Education Outstanding Mentor (2014)
* Iowa Association of Association of Career and Technical Education Outstanding Career and Technical Educator (2013)
* National Association of Agricultural Educators Ideas Unlimited winner (2013)
* Iowa Association of Agricultural Educators Ideas Unlimited classroom division and overall winner (2012)
* Iowa Association of Agricultural Educators Ideas Unlimited classroom division and overall winner (2011)
* Outstanding Young Alumnus- Dept of Agricultural Education and Extension Virginia Tech (2011)
* Gamma Sigma Delta Inductee (2011)
* Consortium of Collegiate Agricultural Organizations Board of Directors (2009-2013)
* Certificate of Appreciation- Murray State Collegiate FFA (2010)
* Alpha Tau Alpha National Vice-President (2008-2010)
* Nominee for Murray State University Emerging Scholar Award (2009)
* Certificate of Appreciation- Murray State Collegiate FFA (2009)
* Certificate of Appreciation- Murray State Collegiate FFA (2008)
* Finalist for Murray State University Emerging Scholar Award (2008)
* Certificate of Appreciation- Murray State Collegiate FFA (2007)
* Degree of Honorary State Farmer – Virginia FFA Association. (2006)
* Rufus W. Beamer Professional Development Award (2006)
* National Association of Agricultural Educators 30 Minute Club (2005)
* Rufus W. Beamer Professional Development Award (2005)
* Alpha Tau Alpha - Professional Honorary Agricultural Education Fraternity Inductee (2003)
* Omicron Tau Theta - The Honor Society of Vocational Education; Inducted 2003.