

## **Blair Benson Schneider**

Associate Researcher and Scientific Outreach Manager  
Kansas Geological Survey  
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### **Education**

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University of Kansas August 2017  
PhD in Geology  
Emphasis in geophysics, GPA 3.86 out of 4.0

University of Kansas May 2012  
MS in Geology  
Emphasis in geophysics and geoarchaeology, GPA 3.89 out of 4.0

James Madison University May 2009  
BS Geology, minor in Historical Archaeology  
GPA 3.2 out of 4.0

### **Professional Experience & Appointments**

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#### *A. Academic Research*

*Research areas:* Near-surface applied geophysics; geoarchaeology; GPR; Magnetics; Electrical methods; STEM education; Broadening participation in STEM; Science communication

**2020 – Present** Associate Researcher and Scientific Outreach Manager at The Kansas Geological Survey

**2019 – 2020** Associate Researcher, University of Kansas Center for STEM Learning and Education Outreach Manager, Kansas Geological Survey

**2017 – 2019** Postdoctoral Fellow, The University of Kansas, Lawrence KS, USA  
*Project: Evaluating the Impact of a Multi-institutional Collaboration Aimed at Transforming Undergraduate STEM Teaching*

**2012 – 2017** SELF Graduate Fellow, GK-12 Fellow, University of Kansas  
*Project: Geophysical Imaging of Prehistoric Mammoth and Bison Bone Deposits in the Midwestern United States*  
Advisors: Don Steeples and Rolfe Mandel

**2009 – 2012** Graduate Teaching Assistant, University of Kansas  
*Project: Geophysical Investigations of the Mound City Borrow Pits in Ross County, Ohio*  
Advisors: George Tsoflias and Rolfe Mandel

**Summer 2011** Geophysical field assistant, Altona, NY  
Supervisor: George Tsoflias

**2008 – 2009** James Madison University Department of Geology  
*Project: Riverside Graveyard: An In-Depth Look below the Surface*  
Advisor: Anna Courtier

**2008** James Madison University Department of Anthropology  
*Project: Ground Penetrating Radar Survey of Harmony Hall in Strasburg, Virginia*  
Advisor: Clarence Geier

**2007 – 2008** James Madison University Department of Geology  
*Project: Application of sub surface instruments in search of historical foundations related to Meriwether Lewis and family in Charlottesville, Virginia*  
Advisor: Mike Harris

B) Teaching Experience

**I. Instructor**

**Spring 2021** University of Kansas

- GEOL791: Geophysical Methods for Environmental Applications
- LDST 303: Prevention is Possible - Gender Based Violence Prevention

**Fall 2019, 2020** University of Kansas

- LDST 301: It's On Us - Gender Based Violence Prevention

**Fall 2019** University of Kansas

- BIOL/CHEM 598: Research Methods (*Support Instructor*)

**Spring 2017** Emporia State University Department of Physical Sciences

- ES 110: Introduction to Earth Science
- ES 111: Introduction to Earth Science Lab

**2009, 2015** University of Kansas Department of Geology

- GEOL105: History of the Earth (*online course*) (**2015**)
- GEOL103: Physical Geology Laboratory (**2009-2011**)

**II. Teaching Assistant**

**2013 – 2016** University of Kansas Center for Teaching Excellence

- ANTH 517: Geoarchaeology
- GEOL 103: Physical Geology Laboratory
- GEOL 591: Ore Deposits

- GEOL 512: Igneous and Metamorphic Petrology

**2009 – 2011** University of Kansas Department of Geology

- GEOL171: Earthquakes and Natural Disasters
- GEOL351: Environmental Geology
- GEOL572: Geophysics

**2006 – 2009** James Madison University

- GEOL110L: Physical Geology Lab
- GEOL230: Evolution of Earth
- ANTH331: Historical Archaeology
- GEOL364: Stratigraphy and Basin Analysis
- GEOL410: Engineering Geology

### C) Government and Industry

**2010 – 2017** NPS Midwest Archeological Center, Lincoln NE, USA

- Geophysical surveying and excavation at Grand Portage National Monument, MN
- Geophysical surveying of Fort Union Trading Post National Historic Site, ND
- Cutbank Erosional Study at Theodore Roosevelt National Park, ND
- Geophysical surveying at Knife River Indian Villages National Historic Site, ND
- Geophysical surveying and excavation at Nicodemus National Historic Site, KS
- Geophysical surveying and excavation at Fort Larned National Historic Site, KS
- Geophysical surveying at Hopewell Culture National Historic Site, OH
- Excavation project at Fort Scott National Historic Site, KS

**2014** Encana Oil and Gas

Geology Intern: *Seismic Attributes of the Niobrara and Codell Formations*

Adviser: Peter Smith

### Publications

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#### **A1. Refereed Journals (\*represents invited submission)**

Marin-Spiotta, E., Barnes, R.T., Berhe, A.A., Hastings, M.G., Mattheis, A., **Schneider, B.** and Williams, B.M., 2020, Hostile climates are barriers to diversifying the geosciences. In *Advances in Geosciences, Special Issue: Diversity and Equality in the Geosciences*, 53, 117-127.

Holmes, M.A. \*, Myles, L. and **Schneider, B.**, 2020, Diversity and equality in honors and awards programs: Steps towards a fair representation of membership. In *Advances in Geosciences, Special Issue: Diversity and Equality in the Geosciences*, 1, 1-11.

**Schneider, B.**, Tsoflias, G., Steeples, D., Mandel, R. and Hofman, J., 2018, Bone permittivity and its effect on using GPR: *Geophysics*, v. 83, no. 1, p. H1-H11: <https://doi.org/10.1190/geo2017-0128.1>.

Dalan, R., Sturdevant, J., Wallace, R., **Schneider, B.\*** and De Vore, S., 2017, Cutbank geophysics: Expanding magnetic investigations using magnetic susceptibility testing at an Awatixa Hidatsa Village, North Dakota: *Remote Sensing*, v. 9, no. 12, doi:10.3390/rs9020112.

Sprunt, E., Ali, H., **Schneider, B.** and MacQueen, P., 2017, Survey of geophysics students shows importance of female leadership: *AWIS Magazine*, v. 49, p. 32-35.

**Schneider, B.B.**, Mandel, R.M., Tsoflias, G., De Vore, S.L and Lynott, M., 2016, Combining ER and GPR surveys for evidence of prehistoric landscape construction: Case study at Mound City, Ohio, USA: *Journal of Applied Geophysics*, v. 129, p. 178-186.

## **A2. Manuscripts in Preparation or In Revision**

Ralph, M., **Schneider, B.**, Benson, D., Ward, D., Vartia, D., 2021, Student Enrollment Decisions and Academic Success: Evaluating the Impact of Classroom Space Design: *Learning Environments Research* (in revision)

**Schneider, B.B.**, Tsoflias, G., Mandel, R.M., Hofman, J., and Steeples, D.W., 2021, Assessing ground-penetrating radar imaging of prehistoric animal bone: *Geophysics* (in prep)

**Schneider, B.**, Bell, C.F., Marin-Spiotta, E., Hastings, M., Mattheis, A., Barnes, R., Berhe, A.A. and Williams, B., 2021, Evaluation of the ADVANCEGeo bystander intervention and workplace climate training: *Journal of Interpersonal Violence* (in prep)

## **B. Refereed Book Chapters (\*represented invited submission)**

**Schneider, B.B.\*** and Holmes, M.A., 2020, The science of implicit bias and how to minimize its effects, in Azad, S. (Ed.), *Addressing gender bias in science: Research-Based Solutions*. ACS Symposium Series, v. 1354, 51-71.

Berhe, A.\*, Hastings, M., **Schneider, B.** and Marin-Spiotta, E., 2020, Changing academic cultures to respond to sexual harassment through bystander intervention and workplace climate training. ACS Symposium Series, v. 1354, 109-125.

**Schneider, B.B.\***, Tranel, L., and Cremeans, M., 2018, The Association for Women Geoscientists: 40 years of successes, struggles, and sisterhood, *in* Johnson, B.

(ed.), *Women and Geology: Who Are We, Where Have We Come From, and Where Are We Going?*: GSA Special Publication.

### **C. Non-Refereed (\*represents invited submission)**

Capello, M.A., **Schneider, B.**, and Ardakani, E.P., 2018, Full Spectrum: Focusing on the human factor: A session about geophysicists in the workforce at the 2018 Annual Meeting: *The Leading Edge*, v. 37, issue 4, p. 702-704.

**Schneider, B.\***, 2018, Don't just stand there... do something!: Speaking of Geoscience: The Geological Society of America's Guest Blog  
<https://speakingofgeoscience.org/2018/09/11/dont-just-stand-there-do-something/>

Marin-Spiotta, E. and **Schneider, B.**, 2018, Time's Up for Harassers in Academia: *The POSTDOCKET*, v. 3  
[https://npamembers.siteym.com/general/custom.asp?page=postdocket\\_03181](https://npamembers.siteym.com/general/custom.asp?page=postdocket_03181)

**Schneider, B.**, M.A. Holmes and E. Marín-Spiotta, 2018, Sexual harassment in the sciences: Response by professional societies: *Geoscience Currents* No. 125. American Geosciences Institute  
<https://www.americangeosciences.org/workforce/currents/sexual-harassment-sciences-response-professional-societies>

Marin-Spiotta, E., **Schneider, B.\***, and Holmes, M.A., 2016, AGU can lead the way to a no-tolerance culture for sexual harassment in the earth sciences: *Eos.org* (<https://eos.org/opinions/steps-to-building-a-no-tolerance-culture-for-sexual-harassment>)

**Schneider, B.B.**, 2015-2016, President's Columns, *Gaea*, newsletter of the Association for Women Geoscientists, v. 41, no. 4 – v. 42, no. 1-3.

**Schneider, B.B.\***, 2015, AWG: A Common Love of Earth Science: *GEOExPro Geoscience and Technology Explained*, v. 12, no. 4, p. 10.

Shaugnessy, A., Sprunt, E., **Schneider, B.**, 2015, Full Spectrum: Dual Careers in Geosciences: *The Leading Edge*, v. 34, issue 4, p. 454-456.

De Vore, S.L. and **Schneider, B.B.**, 2013, Magnetic Survey Data from the Sakakawea Village Site at Knife River Indian Villages National Historic Site, North Dakota, U.S.A.: *The Newsletter of the International Society for Archaeological Prospection*, 34, p. 7-10.

### **D. Published Abstracts and Poster Presentations (\*represents minor publication and refereed conference transaction)**

- Schneider, B.** and Eck, C., 2021, Geophysical survey of Site 14LV425, Leavenworth, County, Kansas: Near-Surface Geophysics Group Recent Advances in Archaeological Geophysics. Virtual conference hosted by the University of Leeds.
- Barnes, R.T., Bell, C.F., Berhe, A.A., Hastings, M.G., Mattheis, A., **Schneider, B.**, Williams, B. and Marin-Spiotta, E., 2020, Improving workplace culture, indoors and out: Challenge and opportunities to make the geosciences more inclusive and welcoming: American Geophysical Union Fall Meeting.
- Proulx, M., Tsoflias, G. and **Schneider, B.**, 2020, Utilizing Ground Penetrating Radar (GPR) to detect paleontological features in ash beds: American Geophysical Union Fall Meeting.
- Schneider, B.B.\***, Knippel, E.P. and Miller, R.D., 2020, Utilizing Ground Penetrating Radar to assist in a forensic cold case investigation: SEG Technical Program Expanded Abstracts, 3324-3330.
- Proulx, M., Tsoflias, G. and **Schneider, B.\***, 2020, Ground-penetrating Radar survey for detecting paleostratigraphic features in ash beds at Ashfall Fossil Bed Historical State Park, Nebraska: 18<sup>th</sup> International Conference on Ground-penetrating Radar, Golden, CO.
- Schneider, B.B.**, Holmes, M.A. and Myles, L. 2020, Steps to ensuring a diverse and equitable honors and awards process: GSA Annual Meeting.
- Marin-Spiotta, E., Mattheis, A., Bell, C., Maertens, J., Berhe, A.A., Barnes, R., Hastings, M., **Schneider, B.**, Williams, B.M. and Magley, V., 2020, A critical feminist approach to transforming workplace climate in the geosciences: GSA Annual Meeting.
- Schneider, B.**, Ralph, M., Benson, D., Ward, D. and Vartia, A., 2019, Exploring the impact of classroom space design on student attitudes and success: a case study of an active learning organic chemistry course: American Geophysical Union Fall Meeting, San Francisco, CA.
- Marin-Spiotta, E., Barnes, R., Berhe, A.A., Hastings, M., Mattheis, A., **Schneider, B.B.**, Williams, B.M., and Fabian Bell, C., 2019, ADVANCEGeo Partnership: empowering geoscientists to transform workplace climate through bystander intervention and research ethics training: American Geophysical Union Fall Meeting, San Francisco, CA.
- Berhe, A.A., **Schneider, B.**, Barnes, R.T., Hastings, M., Mattheis, A., Williams, B.M., and Marin-Spiotta, E., 2019, Persistent lack of diversity in the geosciences: the case of ADVANCEGeo Partnership to promote institutional and cultural change: American Geophysical Union Fall Meeting, San Francisco, CA.

- Marin-Spiotta, E., Barnes, R., Berhe, A.A., Hastings, M., Mattheis, A., **Schneider, B.B.** and Williams, B.M., 2019, ADVANCEGeo Partnership: empowering geoscientists to transform workplace climate through behavioral and institutional change: Geological Society of America Abstracts with Programs, v. 51, no. 5, doi: 10.1130/abs/2019AM-335819.
- Schneider, B.B.\*** and Hoard, R.J., 2019, Ground Penetrating Radar Survey of Site 14DC320: Utilizing Geophysical Methods to Protect Native American Burials: SEG Technical Program Expanded Abstracts, p. 2863-2867.
- Ralph, M., **Schneider, B.**, and Benson, D., 2019, Evidence of increasing student buy-in: exploring enrollment patterns across active-learning based organic chemistry sections: Earth Educator Rendezvous, Nashville, TN.
- Schneider, B.**, Barnes, R., Berhe, A.A., Hastings, M.G., Mattheis, A., Williams, B.M., and Marin-Spiotta, E., 2018, ADVANCEGeo partnership: building a sustainable toolkit for bystander intervention training to improve workplace climate: American Geophysical Union Fall Meeting, Washington, D.C.
- Marin-Spiotta, E., Barnes, R., Berhe, A.A., Hastings, M.G., Mattheis, A., **Schneider, B.**, and Williams, B.M., 2018, Building partnerships to transform workplace climate: American Geophysical Union Fall Meeting, Washington, D.C.
- Schneider, B.\***, Yuen, T., and Frank, B., 2018, A multi-institutional collaboration aimed at transforming undergraduate STEM teaching: AAC&U Transforming STEM Higher Education Conference, Atlanta, GA.
- Schneider, B.\***, Vartia, A., and McVey, M., 2018, Measuring the impact of an institutional course transformation initiative: AAC&U Transforming STEM Higher Education Conference, Atlanta, GA.
- Schneider, B.B.** and Pommer, R.E., 2018, A snapshot of women geoscientists in the workforce in 2018: What have we overcome, and what do we continue to face: Geological Society of America Abstracts with Programs, v. 50, no. 6, doi: 10.1130/abs/2018AM-315960
- Schneider, B.B.**, Cremeans, M., Tranel, L.M., and Zeeck, L., 2018, 40 years of recruitment and retention of women in the geosciences: A perspective from the Association for Women Geoscientists (AWG): Geological Society of America Abstracts with Programs, v. 50, no. 6, doi: 10.1130/abs/2018AM-316995
- Mattheis, A. and **Schneider, B\***, 2018, Intersectional approaches to counter harassment and discrimination in geophysics: SEG Technical Program Expanded Abstracts.

- Schneider, B.**, Greenhoot, A., Bennett, C., and Mort, M., 2018, TRESTLE: A model to promote improved STEM education at research universities: Earth Educator Rendezvous, Lawrence, KS.
- Marín-Spiotta, E., R. Barnes, A.A. Berhe, M.G. Hastings, A. Mattheis, **B. Schneider** and B.M. Williams, 2017, From the Classroom to the Field: Intervention Training to Address Sexual Harassment in the Geosciences: American Geophysical Union Fall Meeting, New Orleans, LA.
- Schneider, B.B.\*.** and Tsoflias, G., 2017, GPR Polarization Effects of Buried Bison Bone: SEG Technical Program Expanded Abstracts, p. 1-5.
- Schneider, B.**, 2017, Who is TRESTLE: TRESTLE 2<sup>nd</sup> Annual Meeting, Bloomington, IA.
- Holmes, M.A., Marin-Spiotta, E., and **Schneider, B.B.**, 2017, Harassment as an Ethics Issue: Geophysical Research Abstracts, v. 19, EGU2017-10067-1.
- Schneider, B.B.** and Tsoflias, G., 2016, GPR for detecting buried animal bones in controlled sandbox experiments: American Geophysical Union Annual Meeting, San Francisco CA.
- Schneider, B.B.**, and Tsoflias, G., 2016, Modelling permittivity for the application of GPR for detecting buried prehistoric animal bones: Geological Society of America Abstracts with Programs, v. 48, no. 7, doi: 10.1130/abs/2016AM-282979.
- Luchies, C., Roberts, J., Olcott-Marshall, A., Baker, G., and **Schneider, B.**, 2016, Utilizing the CATME.ORG Teamwork Support Tool: University of Kansas Center for Teaching Excellence Second Annual C21 Poster Session, Lawrence, Kansas.
- Mandel, R. and **Schneider, B.**, 2016, Geoarchaeology: Bringing the field into the classroom: University of Kansas Center for Teaching Excellence Second Annual C21 Poster Session, Lawrence, Kansas.
- Schneider, B.B.**, 2015, Back to the Basics: Evaluating the Applicability of Ground-Penetrating Radar for Detecting Prehistoric Animal Remains: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 599.
- Bitting, K.S., **Schneider, B.B.**, and Roberts, J., 2015, The Nature of Resistance: Using Student Comments and Learning Theory to Ease the Transition to Active Learning: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 256.



Sturdevant, J.T., De Vore, S.L., and **Schneider, B.**, 2015, New Geophysical Insights into Village Landscapes at Knife River Indian Villages National Historic Site: Annual Meeting of the Plains Anthropological Conference, Iowa City, Iowa.

Möller, A., and **Schneider, B.**, 2015, Evaluating the importance of peer-review feedback for scientific writing skills, University of Kansas Center for Teaching Excellence First Annual C21 Poster Session, Lawrence, Kansas.

**Schneider, B.B.** De Vore, S., and Sturdevant, J., 2013, Utilizing Prior Magnetic Data to Evaluate Changes at the Knife River Indian Village National Historic Site: A Tribute to Dr. John Weymouth: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 95.

**Schneider, B.B.** De Vore, S., and Sturdevant, J., 2013, Geophysical Survey at Knife River Indian Villages National Historic Site: Comparing Forty Years of Magnetic Data: Annual Meeting of the Plains Anthropological Conference, Loveland, CO.

**Benson, B.\***, Tsoflias, G., Mandel, R., 2012, Geophysical Investigations of the Mound City Borrow Pits, Ross County, Ohio: SEG Technical Program Expanded Abstracts, p. 1-5. doi: 10.1190/segam2012-1109.1

**Benson, B.**, Everhart, R., Schmidt, S., Mangus, E., Roels, S., Farmer, A., Calnon, M., Stone, B., Dorn, T., Espenschied, W., and Case, S., 2012, Utilizing Social Media for Expanded Communication and Feedback: GK-12 Annual Meeting Project Poster Session Abstracts, p. 29-30.

**Benson, B.E.** and De Vore, S.L., 2010, Geophysical Investigations of the Mound City Borrow Pits in Ross County, Ohio: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 578.

### **Presentations (\*represents invited presentation)**

**Schneider, B.\***, 2021, Guest lecturer for the Ohio State Earth Science 5194 Science & Society course. Topic: The Science Behind Bias and How it Impacts STEM.

**Schneider, B.\***, 2020, Panel speaker on Creating and sustaining just, equitable, diverse, and inclusive spaces as an early career researcher. American Geophysical Union Fall Meeting (virtual session).

**Schneider, B.\***, 2020, Utilizing Geophysics to Solve Archaeological and Forensic Problems: University of North Dakota Applied Geoscience Conference.

**Schneider, B.\***, 2020, Panel speaker on Effective Anti-Harassment Training Techniques. Preventing Harassment in STEM: Building a Community of Practice Toward Meaningful Change (virtual session).

- Schneider, B.\***, 2020, Panel on Diversity and Inclusion in the Quaternary Sciences. 2020 American Quaternary Association Meeting (virtual session).
- Schneider, B.**, 2020, Uncovering the Truth: Utilizing Geophysics in Forensic and Archaeological Investigations. University of Kansas Department of Geology Colloquium Presentation.
- Schneider, B.\***, 2019, Women geoscientists in the workforce in 2019: what have we overcome, and what do we continue to face?: Kansas Biological Survey, University of Kansas, Lawrence, KS.
- Schneider, B.\***, 2019, Creating inclusive classrooms and workplaces: exploring different types of identities: Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS.
- Schneider, B.\***, 2018, The role of unconscious bias in STEM recruitment: STEM Counseling for Success Program, University of Kansas Edwards Campus, Overland Park, KS.
- Schneider, B.\***, 2018, Creating positive work climates: what can we do to stop harassment in the workplace?: GSA Women in Geology Reception Event, Indianapolis, IN.
- Schneider, B.\***, 2017, #MeToo: How sexual harassment impacts the sciences and what we can do to address it: University of Michigan Earth Science Women's Network Capstone Event, Ann Arbor, MI.
- Schneider, B.\***, 2017, Implicit Bias: An Unspoken Hurdle for Women and Under-Represented Groups: Emporia State University Women's History Month, Emporia, Kansas.
- Schneider, B.\***, 2015, Near-Surface Geophysical Methods for Archeological Prospection: Kansas Anthropological Association, Topeka, Kansas.
- Schneider, B.\***, 2013, Near-Surface Geophysical Methods for Archeological Prospection: University of Kansas Department of Anthropology Explorations in Archaeology Series, Lawrence, Kansas.

### **Awards and Honors**

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| <b>2020</b>        | AGU Presidential Citation for Science & Society                |
| <b>2019</b>        | Facilitators' Choice Recognition, 2019 NSF STEM Video Showcase |
| <b>2019</b>        | SEG Special Commendation Award                                 |
| <b>2018</b>        | "Bright Spots" Feature in the February 2018 Leading Edge       |
| <b>2012 - 2016</b> | Madison and Lila Self Graduate Fellowship (\$164,000)          |
| <b>2011 - 2014</b> | NSF GK-12 Fellowship (\$70,000)                                |

<b>2013</b>	Association for Women Geoscientists Presidents Award
<b>2013</b>	GSA Southcentral Section Travel Grant of \$200
<b>2013</b>	KU Graduate Student Distinguished Service Award, \$2000 Award
<b>2012</b>	Erasmus Haworth Outstanding Student, \$200 Award
<b>2011</b>	SEG Student Leadership Symposium
<b>2009</b>	Kay Veith Field Archaeology Scholarship, \$500 Award
<b>2008 - 2016</b>	Sigma Gamma Epsilon Honors Fraternity
<b>2008</b>	Dean's List
<b>2008</b>	Phillip Cosminski Award
<b>2006</b>	Catherine-King Frazier Scholarship, \$500 Award

## **Research Funding**

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### *I) External*

**2017 - Present**      *National Science Foundation, ADVANCE Program*  
 From the Classroom to the Field- Improving the Workplace in the Geosciences. Improve work climate conditions by developing bystander intervention workshops for department heads, chairs, faculty and grad students to appropriately respond to and prevent sexual harassment on campus and in the field. Subaward to AWG, sole PI \$97,173 (co-PI among 7 investigators, E. Marin-Spiotta, University of Wisconsin-Madison PI, total award \$1,100,000).

**2016**      *National Science Foundation*  
 Integrative and Collaborative Education and Research. A Workshop to Address the Role of Scientific Societies in Responding to Sexual Harassment in the Sciences. Senior Personnel on the Steering Committee. Billy Williams, lead PI, total award \$48,250.

**2016**      *Association for Women Geoscientists Foundation*  
 Is It Harassment or Not? A Workshop for Women and Men. Co-lead and funding coordinator, total award \$500.

**2015 - Present**      *Association for Women Geoscientists Foundation*  
 AWG Professional Excellence Awards. Committee member and funding coordinator, total award \$1500 annually.

### *II) Internal*

**2016**      *University of Kansas Center for Teaching Excellence*  
 Course Transformation Grant. Co-PI with R. Mandel, \$1000.

### *III) Graduate Research Funding*

**2015**      *University of Kansas Doctoral Research Fund, Student Grant of \$2000*

- 2014-2015**     *Society of Exploration Geophysicists*, Student Research Grant of \$575
- 2011-2012**     *Geophysical Society of Kansas*, Student Research Grant of \$750
- 2011-2012**     *Society of Exploration Geophysicists*, Student Research Grant of \$500
- 2009-2010**     *Geological Society of America*, Student Research Grant of \$1,700

## **Service**

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### **A. Professional Society Appointments (\*current appointment)**

- 2020 - 2021\*** Co-chair, NAGT Development Committee
- 2021 - 2021\*** JEDI Workshop Facilitator, Geological Society of America
- 2020 - 2021\*** Co-chair, SEG Women's Network Webinar Series
- 2019 - 2020** Chair, SEG Women's Network Committee
- 2016 - 2020** Member, AWG Paleontological Awards Committee
- 2015 - 2020** Member, AGU Honors and Recognition Committee
- 2018 - 2019** Vice Chair, SEG Women's Network Committee
- 2017 - 2018** Director, AWG Foundation
- 2015 - 2018** AWG Webmaster
- 2017 - 2018** Communication Lead, SEG Women's Network Committee
- 2016 - 2017** Past-President of the Association for Women Geoscientists
- 2015 - 2017** Member, AGI Harriet Evelyn Wallace Scholarship Committee
- 2015 - 2016** President of the Association for Women in Geosciences
- 2014 - 2015** President-elect of the Association for Women in Geosciences
- 2013 - 2015** Treasurer for the Geophysical Society of Kansas
- 2012 - 2014** Association for Women in Geosciences South-central Delegate
- 2012 - 2014** President, Association for Women in Geosciences Osage Chapter
- 2012 - 2013** SEG Women's Network Committee Student Representative

### **B. Conference Sessions and Workshops**

#### **2021**

- University of Colorado Boulder Department of Atmospheric and Oceanic Sciences, Workshop Presenter. Topic: Developing Effective Codes of Conduct.
- University of Hawaii School of Ocean and Earth Science and Technology. Topic: Developing Effective Codes of Conduct (2 part series).
- Kentucky Geological Survey, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- Undergraduate Field Experiences Research Network 2021 Meeting, Workshop Presenter. Topic: Developing Effective Codes of Conduct.

- Iowa State Department of Biology, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- University of Hawaii School of Ocean & Earth Science & Technology, Workshop Presenter. Topic: Developing Effective Codes of Conduct.
- University of Hawaii Department of Oceanography, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- James Madison University Department of Geology, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- Geological Society of America, Workshop Presenter. Topic: Getting to Fair: The Impact of Implicit Bias on Decision-Making.

## **2020**

- University of California Davis, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- Duke University, Workshop Presenter. Topic: Getting to Fair: The Impact of Implicit Bias on Decision-Making.
- Governor's Water Conference, Moderator for the Research Topics session.
- Kansas Geological Survey Virtual Field Conference, Lead Developer and Workshop Presenter. Topic: Sustainability Efforts in Northwest Kansas.
- Geological Society of America, Workshop Presenter. Topic: Improving Workplace Climate: Responding to Harassment.
- Geological Society of America, Workshop Presenter. Topic: Getting to Fair: The Impact of Implicit Bias on Decision-Making.
- OBFS (Organization of Biological Field Stations), Workshop Presenter. Topic: Strategies for Responding to Hostile Behaviors and Improving Workplace Climate.
- K-State Extension and Research Master Naturalists Program, Workshop Presenter. Topic: Kansas Geology: How Geological Processes Construct the Landscape.
- ADVANCEGeo Train the Trainer Workshop, Lead Developer and Workshop Presenter.
- University of Delaware Department of Earth Sciences, Workshop Presenter. Topic: Empowering individuals to be active bystanders.
- University of Delaware Department of Earth Sciences, Workshop Presenter. Topic: Developing effective codes of conduct.

## **2019**

- Inclusive Graduate Education Network National Meeting, Workshop Presenter. Topic: Improving workplace climate: responding to harassment.
- University of Kansas School of Engineering, Workshop Presenter. Topic: Creative a positive workplace culture.

- SEG Annual Meeting, Short Course Presenter. Topic: Near-Surface Geophysics for Archaeological and Forensic Applications.
- SEG Annual Meeting, Co-chair, NS4 “Applications for Archaeology, Void, and Target Detection,” Co-chair Michelle Proulx
- Earth Educator Rendezvous, Workshop Presenter. Topic: Addressing bias in teaching.
- Earth Educator Rendezvous, Workshop Presenter. Topic: Make it better: Assessing and addressing departmental and workplace culture issues.
- NSEC 2019 National Conference, Workshop Presenter. Topic: Broadening participation: Strategies for developing and maintaining a positive workplace climate.

## **2018**

- AGU Annual Meeting, Honors Program Workshop Presenter. Topic: Best Practices for Success.
- AGU Annual Meeting, Heads and Chairs Workshop Coordinator and Presenter, Topic: Strategies to address and eliminate bullying in your department.
- GSA Annual Meeting, Short Course Presenter. Topic: Unconscious Bias and Bystander intervention training to reduce hostile work climates.
- SEG Annual Meeting, Convener, SS5 “Geophysicists in the Workforce”, chaired by Maria Angela Capello and Leslie Marasco.
- AIPG Annual Meeting, Workshop Presenter for the Student Career Day. Topic: Writing an effective resume or curriculum vitae for a career in the sciences.
- AIPG Annual Meeting, Short Course Presenter. Topic: Bystander intervention training to reduce hostile work climates.
- Earth Educator Rendezvous, Round Table Discussion Leader. Topic: Bystander intervention strategies for minimizing departmental conflict.

## **2017**

- AGU Annual Meeting, Honors Program Workshop Presenter. Topic: Strengthening AGU’s Honors Program: Increased nominations, effective nomination packets, and an open process.
- AGU Annual Meeting, Heads and Chairs Workshop Coordinator and Presenter, Topic: Implicit Bias and Privilege.
- SEG Annual Meeting, Co-chair, SS1 “Near-surface Geophysical Methods for Archaeologic Research”, Co-chair Georgios Tsoflias.
- SEG Annual Meeting: External referee of Near-Surface Geophysics expanded abstract submissions.
- AWG Webinar Co-Instructor, Topic: Implicit Bias.

## **2016**

- AGU Annual Meeting, Workshop Coordinator, Is it harassment or not?

- GSA Annual Meeting, Mentor, Women in Geology Reception Event.
- Steering Committee Member and Presenter, Sexual Harassment in the Sciences: A Call to Respond Workshop.

**2015**

- AGU Annual meeting, Panelist, AGU Town Hall: Forward Focused Ethics.

**C. University of Kansas (\*current appointment)**

- 2021 - 2024\*** Co-chair, Kansas Geological Survey DEI Committee  
**2019 - 2021\*** Planning Committee Member, Washburn Women in Science Day  
**2019** Search Committee Member, Department of Geology  
**2015 – 2016** Student Representative for the KU Geology Core Committee  
**2010 – 2013** Co-founder and Director of the KU Geology Mentor Program  
**2011 – 2012** President of the KU Geophysical Society  
**2011 – 2012** Student Representative for the KU Geology Executive Committee  
**2010 – 2011** Secretary of the KU Geophysical Society  
**2009 – 2010** President of the KU American Association of Petroleum Geologists  
**2009 – 2010** Treasurer of Sigma Gamma Epsilon  
**2009 – 2010** Treasurer of the KU Geophysical Society

**D. James Madison University**

- 2008 – 2009** President of the JMU Geological Association  
**2008** Peer Instructor, JMU Academic Success Program  
**2008** Speaker, JMU College of Science and Mathematics Take a Look Day  
**2007 – 2008** Vice President of the JMU Geological Association  
**2006 – 2007** Educational Outreach Officer of the JMU Geological Association

**E. Local**

- 2020** Logan Elementary School STEM Fair  
**2020** World Read Aloud Day, Pinckney Elementary School  
**2019** Central Missouri Regional FIRST Robotics Competition  
**2017** STEM Day for Girls Volunteer  
**2015, 2016** Hillcrest Elementary Science Night Volunteer  
**2013, 2014** Tonganoxie Library Summer Reading Kickoff Science Volunteer  
**2013** Enhancing Your Future Volunteer Lecturer, Emporia State University  
**2012** Field Trip Organizer for Genesis Christian Academy, Tonganoxie KS  
**2011** Lawrence Parks and Rec Volleyball Coach, Southwest Middle School  
**2011** Girls on the Run Volunteer Coach, Merriam Park Elementary School  
**2010** Women in Science Day Volunteer Lecturer, Washburn University

**2010** Science Olympiad Volunteer, Johnson County Community College  
**2007, 2008** Educational Outreach Coordinator, Mountain View Elementary School  
**2008** Educational Outreach Coordinator, John Wayland Elementary School  
**2007** Educational Outreach, Volunteer Speaker, Central High School  
**2005** SYA Volleyball Coach, Centreville, VA

## **F. Journals**

Journal of Environmental and Engineering Geophysics (JEEG)

Associate Editor (2018-present)

Reviewer (2017, 2018, 2020)

Geophysics

Reviewer (2017, 2020, 2021)

Geoscience Communication

Reviewer (2020)

The Leading Edge

Reviewer (2019, 2020)

PLOS ONE

Reviewer (2019)

## **Professional Memberships**

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American Geophysical Union (AGU)

Society of Exploration Geophysics (SEG)

Geological Society of America (GSA)

Association for Women Geoscientists (AWG)

Earth Science Women's Network (ESWN)

National Association of Geoscience Teachers (NAGT)

American Association for the Advancement of Science (AAAS)

American Educational Research Association (AERA)