

Edward W. Herrmann
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Current Employment

INDIANA UNIVERSITY

Department of Earth and Atmospheric Sciences

Senior Scientist, 4/2023-Present

Associate Research Scientist, Geoarchaeology 4/2018-4/2023

Assistant Research Scientist, Geoarchaeology 8/2013-4/2018

Inaugural Exec. Director, IU Museum of Archaeology and Anthropology
9/2019-9/2022

Combined ethnographic and archaeological museums and archaeology lab into new museum concept; responsible for museum renovation & design, removal and return of more than 5 million objects, strategic planning, fundraising, exhibit planning, outreach, personnel, and research.

Oversaw IU Native American Graves Protection & Repatriation Act Office

Added 3 staff members; conducted Angel Mounds repatriation; obtained new laboratory space; responsible for budgets, strategic planning, and hiring; participated in consultations with tribes.

Director of Special Programs for Angel Mounds 10/2018-9/2019

Led planning for Angel Mounds repatriation and development of Archaeological Management Plan; compiled site records and GIS database.

Research Affiliate, Indiana Geological Survey

Adjunct Faculty, Indiana University Bloomington Anthropology Department

Research Affiliate, IUPUI, Anthropology Department

Research Associate, IUB, Center for the Analysis of Social-Ecological Landscapes

Education

Indiana University, Bloomington, Indiana

Ph.D., Anthropology (Archaeology) 5/2013; M.A., Anthropology 4/2010

Dissertation: "Geoarchaeology of Paleoindian and Early Archaic Site Distributions in the White River Valley, Indiana." **Minor:** Geology

University of Cologne, Cologne, Germany

Institut für Ur- und Frühgeschichte, Guest Student, 8/2005 to 6/2006

Concentrated on the peopling of Europe and the Upper Paleolithic Era.

Cornell University, Ithaca, New York
B.S., Biological Sciences, 5/1987

Professional Service

The International Commission on Missing Persons *Panel of Experts, 2023-2026*
Indiana University College of Arts and Sciences Research Rank Promotion
Committee Member 2023-2025
Associate Editor, Frontiers in Human Dynamics Journal, 2023-2025
IU Earth and Atmospheric Sciences Dept. Research Promotion Committee 2024
Indiana University International Repatriation Committee Member 2022-2023
Indiana University NAGPRA Research Review Board 2021-Present
Indiana University Geologic Field School Oversight Committee 2020-2022; 2024
Indiana University Task Force on Enhancing Engagement with Native American
Nations and Cultures 2021-2022
Indiana University Collections Advisory Board Member 2020-2022
Society of American Archaeology Geoarchaeology Interest Group (GIG)
Chair, 2017-2021;
Co-Editor of GIG Newsletter and Member of the board 2014-2017
Indiana University Earth and Atmospheric Sciences IT Committee 2020-Present
Indiana University Hiking Club Faculty Advisor 2016-2021
Indiana University EAS DEpartment Advertising Committee 2016-2018
Geological Society of America
Co-Editor, Newsletter of the Archaeological Geology Division; Board member
and officer of the Archaeological Geology Division 2014-2017

Archaeology Experience

The International Commission on Missing Persons

Panel of Experts, March 2023-Present

Consult on geoarchaeological methods to locate unmarked and clandestine
graves associated with Canadian residential schools.

Freemont Landuse and Rock Art Project, Utah and Colorado

Archaeological Team Member, June 2022-Present

Field project goals include discovery and documentation of Freemont sites.

Olduvai Gorge Chronology Project Research Team, Tanzania

Co-investigator, Summers 2017-Present

Led field investigations, documentation, and Geographic Information Systems
for excavations at the UNESCO World Heritage Site. I work with local Maasai
and Chagga tribes.

The PaleoIndiana Project, Team Leader, 2017-Present

Responsible for research team including research assistants and students researching Paleoindian landscape use in Indiana and the Midwest.

The Angel Mounds Cultural Landscape Report

Committee Member, 2022-2024

Committee member assigned to researching and writing archaeological history and portions of American Indian cultural significance of the important site.

The Angel Mounds Archaeological Management Plan Team

Chair, 2019-2024

Led archaeological team in collaboration with tribal colleagues, the Indiana State Museum, and the Angel Mounds Interpretive Center in planning for future work at the National Historic Landmark.

Cahokia Lidar Data Acquisition Project, Team Leader, January 2023

Led interdisciplinary team assembled to fly Lidar at Unesco World Heritage Site.

The Angel Mounds Repatriation, Principal Investigator, August 2020-March 2021

Planned, consulted for, and led repatriation excavations and reburial at the Angel Mounds Site with affiliated tribes, IU NAGPRA Office, the IU Museum of Archaeology and Anthropology, and tribal monitors.

The Angel Mounds Initiative, Director, 10/2018-9/2019

Served as Director for project that compiled Angel Mounds Geographic Information Systems data while managing post-doc, a Research Assistant, and hourly employees. Project goal was to repatriate Angel Mounds.

Hoosier National Forest Charles C. Deam Wilderness Project Principal

Investigator Summer 2017-2019

Led team of geology and anthropology graduate and undergraduate students assessing erosion and mitigation of sites.

Grapevine Creek Buffalo Jumps Field Schools, Crow Agency, Montana

Co-Director, investigator and instructor for Crow Tribal Historic Preservation Office 6-7/2015, 5-7/2016

Led field school and Crow tribal monitors performing archaeological survey and excavation at Grapevine Creek. Discovered buffalo jumps, taught archaeological methods, and helped mitigate Little Bighorn River meandering for Crow Tribe.

National Science Foundation Research Experience for Undergraduates (REU): Multidisciplinary Training for Students in Environmental and Social Sciences through Archaeological Research (IUPUI)

Senior Scientist, Instructor, Summers 2013-2015

Rockhouse Hollow Rockshelter Project

Principal Investigator for excavation in the Hoosier National Forest 7/2014-8/2014
Led field school focused on sediments and stratigraphy within rockshelter to understand archaeological context of 1961 excavations.

Glenn A. Black Laboratory of Archaeology: Lithic Raw Material Comparative Collection Supervisor

Organized and identified lithic samples and created database 8/2010-8/2013
Responsible for supervising and expanding lithic comparative collection that includes over 500 lithic types. Organized Midwestern Lithic Exchange (2010).

Jeffersonville Parking Lot Coring Project, Jeffersonville, Indiana

Core sediment analyst 3/2013-4/2013
Analyzed depositional history & sediment cores for Cultural Resource Analysts.

George Rogers Clark Project, Vincennes, Indiana

Geoprobe coring rig operator, core sediment analyst and fieldworker 1/2012
Assessed history of soil formation and sedimentation for cultural resources management project with Commonwealth Cultural Resource Group, Inc. & NPS.

Serpent Mound Project, Adams County, Ohio

Geoprobe coring rig operator, core sediment analyst and supervisor 9/2011
Part of geoarchaeological team investigating how and when the Serpent Mound was constructed. Identified stratigraphic sequences and dated site.

Mississippi and Red River Geomorphic Study, LaCrosse and Prairie du Chien, Wisconsin

Geoprobe coring rig operator, core sediment analyst and fieldworker 7-8/2010
Part of geoarchaeological team hired by the United States Army Corps of Engineers to study geomorphic landform change in the Mississippi valley.

Indiana University, Bloomington, Indiana

Bradford Woods Survey and Research Supervisor 8-10/2008, 5-8/2009
Led graduate and undergraduate students conducting Phase I survey at Bradford Woods, Indiana. Located 44 previously unreported sites.

Field School Supervisor 5-6/2008

Led undergraduate teams excavating at Angel Mounds Field School in association with the Glenn A. Black Laboratory of Archaeology.

Field School Participant 6/2007 to 7/2007

Worked in the Bighorn River Basin and the Bridger/Teton National Forest mapping and excavating sites while conducting survey in the region.

University of Cologne, Germany

Excavator 7/2006 to 8/2006

Worked at cave site in connection with university teaching excavation.

Responsible for cave mapping, excavation, grid, and construction.

Römisch-Germanisches Museum, Cologne, Germany

Excavator 10/2005 to 6/2006

Worked 20 hours/week excavating within original Roman city walls.

Responsible for site excavation, documentation, sketching, artifact cleaning, and training of new hires.

Publications (* denotes student coauthor)

William F. Romain, **Edward W. Herrmann**, H. Martin*, E. A. Barefoot and S. Scott (accepted). High resolution lidar drone imagery assessment of the Rattlesnake Mound complex at Cahokia, Illinois, USA. *The Midcontinental Journal of Archaeology*. Expected spring 2025.

Hawkins, Rebecca A., R. Scott Willard, Julie L. Olds, Jayne-Leigh Thomas, and **Edward W. Herrmann**. (accepted). "At the Speed of Trust: Building Collaborative Tribal-Institutional Relationships." In, Collaborative and Community Engaged Archaeology. Dillian, Carolyn, M.K. Clary, C. Bello, editors, University of Florida Press, Gainesville. Expected spring 2026.

Herrmann, Edward W., Rebecca A. Hawkins, Jayne-Leigh Thomas, R. Scott Willard, Eduardo S. Brondizio, and Heather Calloway (in review). Designing and Implementing an Ethical and Collaborative NAGPRA Research Review Board. *American Anthropologist*.

Grimm, Kelsey, and **Edward W. Herrmann**. Archaeological Foundations: Works Progress Administration Era Legacy Collections from Angel Mounds. (accepted). *The Midcontinental Journal of Archaeology, Special Edition*, Hawkins, Rebecca, **Edward W. Herrmann**, and J.L. Thomas (editors). Expected spring 2025.

Friberg, Christina M., **Edward W. Herrmann**, and Everett Bandy. Life at Angel Mounds. (accepted). *The Midcontinental Journal of Archaeology, Special Edition*, Hawkins, Rebecca, **Edward W. Herrmann**, and J.L. Thomas (editors). Expected spring 2025.

Herrmann, Edward W., Christina M. Friberg, and Rebecca A. Hawkins. Angel Mounds Repatriation: Archaeology of a Final Resting Place. (accepted). *The Midcontinental Journal of Archaeology, Special Edition*, Hawkins, Rebecca, **Edward W. Herrmann**, and J.L. Thomas (editors). Expected spring 2025.

Edward W. Herrmann and Mackenzie Cory* (accepted). "Modeling Early Paleoindian settlement and mobility in Indiana." In, Paleoindians in the Midcontinent, B. Koldehoff and H. Wright editors, Texas A&M Press. Expected Fall 2025.

John Flood* and **Edward W. Herrmann** (2024). A Diachronic Analysis of the Mississippian Lithic Industry at the Lawrenz Gun Club Site (11Cs4). *The Illinois Archaeologist*.

Herrmann, Edward W., Rebecca Hawkins, Christina Friberg, Jayne-Leigh Thomas, Jack Rossen, and August Costa (2023). Furrows without Ridges: Evidence for an Agricultural Field at Angel Mounds (12Vg1), Southwestern Indiana, USA. *Journal of Field Archaeology*, 48(7): 534-550.
DOI: 10.1080/00934690.2023.2259179

Krus, Anthony M., **Edward W. Herrmann**, Christina M. Friberg, Broxton W. Bird, and Jeremy J. Wilson (2023). Social Change and late Holocene Hydroclimate Variability in southwest Indiana. *Journal of Anthropological Archaeology*, 69, 101486. DOI: <https://doi.org/10.1016/j.jaa.2023.101486>.

Romain, William F., and **Edward W. Herrmann** (2022). An archaeoastronomic assessment of Angel Mounds, Indiana with commentary on Moundville, Alabama and Cahokia, Illinois. *Midcontinental Journal of Archaeology*, 47(1): 25-46.
DOI: <https://doi.org/10.5406/23274271.47.1.02>.

Watts Malouchos, Elizabeth, Mark R. Schurr, and **Edward W. Herrmann** (2021). From the mound to the moon: geophysical insights into Angel phase landscapes. *Journal of Archaeological Sciences Reports*, 37: 102886.

Stollhofen, Harald, Ian G. Stanistreet, Nicholas Toth, Kathy D. Schick, Agata Rodríguez-Cintas, Rosa M. Albert, Paul Farrugia*, Jackson K. Njau, Michael C. Pante, **Edward W. Herrmann**, Lana Ruck*, Marion K. Bamford, Robert J. Blumenshine, Fidelis T. Masao (2021). Olduvai's oldest Oldowan. *Journal of Human Evolution*, 150: 102910.

Friberg, Christina M., Melody K. Pope, April Sievert, Jennifer St. Germain*, Kelsey T. Grimm, and **Edward W. Herrmann** (2020). Creation of knowledge and curation of legacy: preserving Angel Mounds collections and data. *The Society of American Archaeology Archaeological Record*, May 2020, pp. 12-18.

Njau, Jackson K., **Edward W. Herrmann**, Lana Ruck*, Michael Pante, Paul Farrugia*, Nicholas Toth, Kathy Schick, Harald Stollhofen, Ian G. Stanistreet (2020). Core stratigraphy constrains Bed IV archaeological record at HEB site,

Olduvai Gorge, Tanzania. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 552, 109773.

Schurr, Mark, G. William Monaghan, **Edward W. Herrmann**, Mathew Pike*, Jeremy J. Wilson (2020). Evaluating ground-penetrating radar antenna performance for investigating Mississippian mound construction compared with data from solid-earth cores and magnetometry. *Archaeological Prospection*, 2020:1-14. DOI: 10.1002/arp.1772

Herrmann, Edward W., and G. William Monaghan (2019). Post-glacial drainage basin evolution in the midcontinent, North America: implications for prehistoric human settlement patterns. *Quaternary International*, 511, 68-77. DOI: /10.1016/j.quaint.2018.02.005.

Krus, Anthony M., **Edward W. Herrmann**, Matthew D. Pike*, G. William Monaghan, and Jeremy J. Wilson (2019). Chronology of a fortified Mississippian village in the Central Illinois River Valley. *Radiocarbon* 61, no. 3:713-731. DOI: /10.1017/RDC.2019.19.

Monaghan, G. William, and **Edward W. Herrmann** (2019). Serpent Mound: still built by the Adena, and still rebuilt during the Fort Ancient Period. *Midcontinental Journal of Archaeology*, 44(1):1-10. DOI:10.1080/01461109.2018.1511156.

Romain, W. F., **Herrmann, Edward W.** (2018). Rejoinder to Lepper concerning Serpent Mound. *Midcontinental Journal of Archaeology*, 43(1):76-88. DOI: /10.1080/01461109.2017.1403738.

Herrmann, Edward W., Rebecca A. Nathan*, Matthew J. Rowe, and Timothy McCleary. (2017). Bacheeishdiiio/ place where men pack meat. *American Antiquity* 82(1):151-167. DOI: /10.1017/aaq.2016.5.

Romain, W. F., **Herrmann, E. W.**, Monaghan, G. W., & Burks, J. (2017). Radiocarbon dates reveal Serpent Mound is more than two thousand years old. *Midcontinental Journal of Archaeology*, 42(3): 201-222. DOI: /10.1080/01461109.2017.1371871.

Herrmann, Edward W. (2016). How bedrock-controlled channel migration can structure selective preservation of archaeological sites: implications for modeling Paleoindian settlement. *Geoarchaeology* 31(1):58-74. DOI: /10.1002/geo.21537.

Herrmann, Edward W. (2015). Prehistoric food preservation, encyclopedia entry in *The Archaeology of Food*, eds. Mary Beaudry, Karen Metheny. AltaMira/Rowman & Littlefield, publishers.

Herrmann, Edward W., Monaghan, G.W., Romain, W.F., Schilling, T.M., Burks, J., Leone, K.L., Purtil, M.P.*, Tonetti, A.C. (2014). A New Multistage Construction chronology for the Great Serpent Mound, USA. *Journal of Archaeological Science* 50, 117-125. DOI: 10.1016/j.jas.2014.07.004.

Herrmann, Edward W. (2013). Pre-Mississippian projectile points in Mississippian context at Angel Mounds. *Midcontinental Journal of Archaeology*, 38(2):189-204.

Archaeological Reports (* denotes student coauthor)

Greenan Michele, Mike Linderman, Susannah Koerber, Gail Brown, Yasser Youssef, Liz Sargent, Carolyn Mitchell, Kevan Klosterwill, Maeve Cochran, **Edward W. Herrmann**, Christina Friberg, Rebecca Hawkins, Elizabeth Horton, Bradford Kasberg, Tom Swinford, Ryan Kellar, Beth McCord, Amy Johnson, Timothy Schilling (2023). The Angel Mounds State Historic Site Cultural Landscape Report, pp 1-360.

Bandy, Everett, Christina Friberg, Michele Greenan, Rebecca Hawkins, **Edward W. Herrmann**, Mike Linderman, April Sievert, Carrie Wilson, Logan York (2023). The Angel Mounds Archaeological Management Plan, pp 1-53.

Herrmann, Edward W., *principal investigator*, Harrison Martin*, Steve Scott, and William F. Romain (2023). Indiana University team Flies Lidar at Cahokia. Article reporting Lidar work at Cahokia Mounds State Park, Illinois. *The Cahokian*, Spring 2023, pages 5-7.

Herrmann, Edward W., Christina Friberg, Rebecca Hawkins, and Jayne-Leigh Thomas (2021). Report of Investigations for Indiana Department of Natural Resources. Division of Historic Preservation and Archaeology Scientific Investigation #2020043: Phase III Mitigation of Excavation for Angel Mounds (12Vg1) NAGPRA Reinterment. Indiana University Museum of Archaeology and Anthropology Report of Investigations # 2021-01, a report prepared for the Repatriation Reburial at the Angel Mounds State Historic Site on behalf of the Indiana University Native American Graves Protection and Repatriation Act Office. Pages 1-38.

Christina M. Friberg, Elizabeth Watts Malouchos*, **Edward W. Herrmann**, and April Sievert, *principal investigators*, (2020). Addendum to phase I evaluation of impacts to cultural resources at angel mounds (12vg1): magnetic gradiometry

and ground penetrating radar, Permit # 2019047. Indiana University Museum of Archaeology and Anthropology Report of Investigations 20-01, pp 1-19.

Herrmann, Edward W. (2020). Rockhouse Hollow Rockshelter (12Pe0100), Perry County, Indiana. Report of fieldwork for Indiana Department of Historic Preservation and Archaeology, "Archaeology Month" outreach and website. <https://storymaps.arcgis.com/stories/21d127d0648a4fe68e195013a69d77b8>.

Christina M. Friberg, **Edward W. Herrmann**, *principal investigator*, and April Sievert (*PI*), Donald Tripp, Elizabeth Watts Malouchos, (2020). Phase I evaluation of impacts to cultural resources at angel mounds (12vg1): magnetic gradiometry and ground penetrating radar, Permit # 2019047. Indiana University Museum of Archaeology and Anthropology and the Glenn A. Black Laboratory of Archaeology Report of Investigations 20-01, pp 1-25.

Herrmann, Edward W., (2019). Angel Mounds Report from the 2005-2010 Field Seasons (Glenn A. Black Laboratory of Archaeology, Indiana University). Site report originally due from deceased principal investigators, pp 1-836.

Joshua A. Myers*, John S. Flood*, **Edward W. Herrmann**, *principal investigator* (2019). An Impact Study of the Archaeology and Geology of the Charles C. Deam Wilderness, Hoosier National Forest. Cultural Resource Reconnaissance Report No. R2018091202341, pp 1-203.

John Flood*, Joshua Myers*, **Edward W. Herrmann**, and Jeremy Wilson (2017). Phase 1 Cultural resources Survey of 109.5 Acres of the Charles Deam Wilderness. Cultural Resource Reconnaissance Report No. R2017091202316, pp 1-92.

Herrmann, E.W., and Rebecca Nathan* (2017). The Grapevine Creek Buffalo Jumps, Crow Agency, Montana. Archaeological Site Report of Investigations pp 1-109.

Herrmann, E.W. and Doyle, A. (2015). Investigations at Rockhouse Hollow Rockshelter in the Hoosier National Forest, Perry County, Indiana. Archaeological Site Report of Investigations submitted to state Department of Historic Preservation and the Hoosier National Forest.

Baumann, T., Monaghan, G.W., **Herrmann, E.W.** and Altizer, V. (2015). Mystery Domes: The 2013 Passport in Time (PIT) Project on German Ridge in the Hoosier National Forest, Perry County, Indiana. Glenn A. Black Laboratory of Archaeology, Indiana University, Bloomington, Indiana.

Herrmann, Edward W. (2013). *The Bradford Woods Pedestrian Survey*. Glenn A. Black Laboratory of Archaeology Report of Investigations 13-02, pp 1-54.

Herrmann, Edward W. (2013). *The Robb Hill Survey at Bradford Woods, Morgan County, Indiana*. Glenn A. Black Laboratory of Archaeology Report of Investigations 13-01, pp 1-59. August, (2013).

Herrmann, Edward W. (2009). *Report of Investigations 09-01, Robb Hill Survey at Bradford Woods, Morgan County, Indiana*, April 20, 2009.

Media Contributions/Appearances

"To Be(er) or not to Be(er)," Podcast "Geology on the Rocks," Dr. Shelby Rader, interviewer. <https://geologyontherocks.transistor.fm/episodes/to-be-er-or-not-to-be-er-with-dr-ed-herrmann>. November 27, 2024.

"The Geoarchaeology of Serpent Mound." Interview with *Archaeology Magazine* writer Jason Covalito for 2025 publication. November 15, 2024.

The McConkie Ranch Rock Art Documentation Project. Vernal, Utah. <https://vimeo.com/833870715/fe94be1b41>. Centerstar Creative, Inc. June, 2023.

The new 'Inside-Out' Indiana University Museum of Archaeology and Anthropology, <https://www.thedavincipursuit.com/2022/05/13/inside-out-a-concept-for-a-new-museum-live/>. The Davinci Pursuit radio show, April 12, 2022.

Exhibitions Developed

Oversaw scientific interpretations for three exhibits at the Angel Mounds State Historic Site Interpretive Center, Evansville, Indiana. Worked under Indiana State Museum and Historic Sites. 5/2022-10/2024.

"City by the River." Developed virtual reality exhibit for the IU Museum of Archaeology and Anthropology to provide visualization of daily life at Angel Mounds. Oversaw historical, scientific, and artistic development. 9/2020-7/2022.

Published Maps

Keith, B.D., Thompson, T.A., **Herrmann, E.W.**, Rupp, R.F., and Hasenmueller, W.A. (2014). Geologic Map of Lawrence County, Indiana. Indiana Geological Survey Miscellaneous Map 90, Scale: 1:48,000.

Keith, B.D., Thompson, T.A., **Herrmann, E.W.**, Rupp, R.F., Hasenmueller, W.A., and Johnson, M.R. (2014). Geology of Lawrence County, Indiana (digital compilation). Indiana Geological Survey, unpublished IGS digital data [ESRI geodatabase based on the NCGMP09 geodatabase model], Scale: 1:48,000.

Awards/Grants overseen IU Museum of Archaeology and Anthropology

Making Connections, Increasing Visibility, and Telling Stories: Indigenizing Open Storage, \$71,861 from the National Endowment for the Humanities for planning permanent visible storage exhibitions of Native American and Indigenous collections by collaborating with regional tribes. Head of Programs and Education and Principal Investigator Sarah Hatcher. April 2022.

Supporting Neurodiverse Audiences Project, \$24,572 from the Institute of Museum and Library Services. Head of Programs and Education, Sarah Hatcher, Principal Investigator. November 2021.

Collections Care through Compact Storage, \$174,035 from the Institute of Museum and Library Services for equipment purchase. Ellen Sieber, Head Curator, PI. August 2021.

Materials Science and Micro-imaging of Cultural Objects at IU Museum of Archaeology and Anthropology, \$12,179 for purchase of microscope and cameras, from OVPR Research Equipment Fund. Director, April Sievert Project Manager. April 2021.

Grant-in-aid for collections photography and catalog preparation, \$3,000 from IU OVPR Office to Assistant Collections Manager Emily Bryant April 2021.

Co-curricular Programming Grant for IU Themester, \$2,165 awarded to IU Museum of Archaeology and Anthropology. Head of Programs and Education Sarah Hatcher and Assistant Director Judy Kirk PIs. April 2021.

IU Museum of Archaeology and Anthropology, Mannequins for Exhibits, \$5030 from the Wahl Family Charitable Trust, February 2021.

IU Museum of Archaeology and Anthropology Staff Professional Development Grant, \$5000 from the Wahl Family Charitable Trust, January 2020.

Other Awards/Grants

Herrmann Edward W., Hawkins R, Beeker C, Greenan M, Arakawa F, "*The Highland Creek Canoe Project*," Indiana University Public Arts and Humanities Project Grant. \$24,206 awarded. December 2024–December 2025.

Archaeology and Geology of the Charles C. Deam Wilderness. \$29,945 grant from the Hoosier National Forest and National Park Service for site erosion assessments at Lake Monroe. May 2018–December 2019.

Crow THPO Archaeological Survey of Grapevine Creek and Tribal Monitor Training Program. \$39,985 grant from National Park Service for Crow Tribal Historic

Preservation Office fieldwork training and research. September 1, 2016 – August 31, 2017. (This grant was not administered through Indiana University.)

Rockhouse Hollow Rockshelter Field Work Grant. \$6000 grant from the Hoosier National Forest for archaeological excavations at rockshelter, July-August 2014.

Prehistory Research Fellow, Glenn A. Black Laboratory of Archaeology.
Awarded \$17,000 fellowship stipendium and funding for coursework and fieldwork, 2009-2011.

John B. Patton Award Recipient. Indiana University Geological Sciences Department and Indiana Geological Survey award of \$1500 for geological field research. April 2011.

Indiana Academy of Sciences Research Grant. Field research grant of \$2975. April 2011.

SKOMP Award Recipient. Indiana University Anthropology Department award of \$1785 for field research. April 2011.

Courses Developed & Taught

"Soil Processes." Instructor for graduate level class (EAS-G 690, 1-2 Credits) for geology and archaeology students. Earth and Atmospheric Sciences Department. Fall Semester 2024.

"Olduvai Gorge Geoarchaeology." Co-Instructor for readings course focused on Olduvai Gorge stratigraphy and paleoenvironments. Spring 2023, 2024.

"The Olduvai Gorge Field School." Co-instructor for Earth and Atmospheric Sciences Department field school (EAS-GX 377, 6 Credits). Summers 2024.

"Missing Links & Human Evolution." Co-Instructor for College of Arts and Sciences virtual 2 credit, 2-week class taught via Zoom. Summer Semester, 2020.

"Geoarchaeology: Deciphering Human Landscapes." Instructor for course cross-listed in the Geology and Anthropology Departments. Spring Semester, 2016.

"Grapevine Creek Buffalo Jumps Field Schools, Co-Director, investigator and instructor for Crow Tribal Historic Preservation Office and Little Bighorn College. (6 credits.) Crow Agency, Montana. 6-7/2015, 5-7/2016

"National Science Foundation Research Experience for Undergraduates (REU): Multidisciplinary Training for Students in Environmental and Social Sciences through

Archaeological Research." Indiana University Purdue University at Indianapolis (IUPUI). Senior Scientist, Field Instructor, Summers 2013-2015.

"Rockhouse Hollow Rockshelter Field School," Instructor and Principal Investigator for field school and excavation in the Hoosier National Forest. (4 Credits.) IU Earth and Atmospheric Sciences Department, 7/2014-8/2014.

"Great Fermentations: Food Preservation in Prehistory." Instructor for Anthropology of Food class (3 credits), Anthropology Department, Indiana University, Bloomington. Spring Semester, 2013.

"Introduction to Archaeology." Associate Instructor, taught three sections and gave occasional lectures. Fall Semester, 2012.

"The Archaeology and Appreciation of Beer." Instructor for Indiana University Continuing Education Department. Sept./Oct. 2010, Feb./Mar. 2011, and Sept./Oct. 2011.

Field Trip Excursions Led & Guidebooks Coauthored

The Angel Mounds Site. **Edward W. Herrmann**, Christina Friberg, April Sievert, & Jayne-Leigh Thomas. Indiana University Office of the Vice Provost of Research Outing. May 10, 2019.

Geoarchaeology of the Eastern Indiana Glacial Plain. Cynthia M. Fadem, Laura R. Murphy, **Edward W. Herrmann**, and Nathan Scholl. pp 1-17. Geological Society of America National Meeting, November 3, 2018.

Quaternary Geology and Geoarchaeology of the Lower Ohio River Valley, Southwestern Indiana. Ronald Counts, G. William Monaghan, and **Edward W. Herrmann.** pp 1-77. 56th Annual Friends of the Pleistocene Conference. Angel Mounds and Evansville Indiana. May 30-June 1, 2014.

Published Abstracts (* denotes student coauthor)

Pelissero A.*, Herrmann, E., Njau, J., Mturi, J.*, Negash, T.*, Peltier, D.*, & Pante, M. (2024). *Changes in the spatial distribution of hominin activities across the Olduvai to Acheulean transition at Olduvai Gorge, Tanzania.* 94th Annual Meeting of the American Association of Biological Anthropologists. Baltimore. 3/12/2025.

Negash, Tewabe*, Pante, M., Herrmann, Edward W., Fellman, C., & Pelissaro, A.* (2024). *A quantitative analysis of the micromorphology of marks on bone retouchers used to sharpen lithics.* Paleoanthropology Society Meeting, Los Angeles. 3/19/2024.

Pelissero, A.*, Herrmann, E., Njau, J., Negash, T.*, Peltier, D.*, & Pante, M. (2024). *Using Drone Survey to Map Stratigraphy and Hominin Activity Patterns at Olduvai Gorge*. Paleoanthropology Society Meeting, Los Angeles. 3/20/2024.

"Evidence for Ridge and Furrow Agriculture at Angel Mounds in Southern Indiana." Edward W. Herrmann, Rebecca Hawkins, Christina Friberg and Jayne-Leigh Thomas. Paper presentation, Society of American Archaeology meeting, Portland, Oregon, April 1, 2023.

"The Age and Function of Slab-Lined Stone Features Associated with a Fremont Foraging-Farming Landscape in Cub Creek, Dinosaur National Monument, Northeastern Utah." David Harvey, Judson Finley, Erick Robinson, and Edward W. Herrmann. Poster presentation, Society of American Archaeology meeting, Portland, Oregon, April 1, 2023.

"Geoarchaeological Mapping with UAV, SfM Photogrammetry and GIS at Olduvai Gorge, Tanzania." Samuel Anderson, Jackson Njau, and Edward W. Herrmann. Poster presentation at the Crossroads Conference, Bloomington, Indiana, March 24, 2023.

"The Timing of the Angel Polity: A Regional History from Site-Scale Chronology." Anthony Krus, Edward Herrmann, Christina Friberg, Dru McGill, & Jeremy Wilson. Paper presentation, Society of American Archaeology meeting, April 16, 2021.

"Assessing Complexity through Architectural Analysis at Angel Mounds." Christina Friberg, Elizabeth Watts Malouchos, and Edward Herrmann. Paper presentation, Society of American Archaeology meeting, April 15, 2021.

"Measures of Influence: Volumetric Assessment of Earthworks at Angel Mounds Using Drone-Based Lidar." David Massey*, Christina Friberg, Quinn Lewis, and Edward Herrmann. Paper presentation, Society of American Archaeology meeting, April 15, 2021.

"Household-Level Stone Tool Economies among Illinois Valley Mississippians: A Case Study from the Lawrenz Gun Club Site." John Flood*, Edward Herrmann, Scott Hipskind*, and Jeremy Wilson. Paper presentation, Society of American Archaeology meeting, April 24, 2020.

"New Age Methods, Age Old Questions: LiDAR Point Clouds for Assessing Mississippian Moundbuilding." Christina Friberg, David Massey*, Edward Herrmann, and Quinn Lewis. Paper presentation, Society of American Archaeology meeting, April 24, 2020.

"Phenomenologically Reflective Approach to Understanding Early Paleoindian Landscapes." Mackenzie Cory* and Edward Herrmann. Paper presentation, Society of American Archaeology meeting, April 23, 2020.

"Mounds as Symbols of Horizontal Divisions: Mound C at the Angel Site (12VG1)." Mark R. Schurr and Edward Herrmann, with contributions by William G. Monaghan and Matthew Pike*. Paper presentation at the Southeastern Archaeological Conference, Jackson, Mississippi, November 8, 2019.

"Pump Up the Volume: Aerial and Drone Based LiDAR Volumetric Calculations at Angel Mounds (12VG1)." Massey D.*, C. Friberg, Q. Lewis and Edward Herrmann. Paper presented at the 77th Annual Plains Anthropological Conference in Bloomington, Indiana October 17, 2019.

"Pump up the Volume: Aerial and Drone Based LiDAR Point Cloud Comparisons at Angel Mounds (12Vg1)." Christina Friberg, David Massey*, Quinn Lewis, Edward W. Herrmann. Paper presentation at the Midwestern Archaeological Conference, Mankato, MN, October 11, 2019.

"Paleoecological responses to lacustrine variability in Olduvai Gorge, Tanzania and its implications on hominin evolution." Danielle Peltier*, Edward W. Herrmann, Jackson Njau. Paper presented at the Geological Society of America Annual Meeting, Phoenix, Arizona. September 23, 2019.

"Chronology of a Fortified Mississippian Village in the Central Illinois River Valley." Anthony Krus, Edward W. Herrmann, Matthew Pike*, William Monaghan and Jeremy Wilson. Paper presentation, Society of American Archaeology meeting Albuquerque, NM. April 13, 2019.

"Modeling Diachronic Paleoindian Landscape Use in Indiana: A Spatial Analysis of State-Level Data." Mackenzie J. Cory* and Edward Herrmann. Paper presentation, Society of American Archaeology meeting Albuquerque, NM. April 12, 2019.

"Assessing Continuity and Change in Paleoindian Landscape use through Time in Indiana: Implications for site Predictive Modeling." Edward W. Herrmann and Mackenzie J. Cory*. Poster presentation; Society of American Archaeology meeting Albuquerque, NM. April 11, 2019.

"Geoarchaeological studies trace the Holocene development of the Ohio River Valley." G. William Monaghan, Daniel Hayes, and Edward W. Herrmann. Paper presented at the Geological Society of America Conference, Indianapolis, IN November 4, 2018.

"Chronologies of Paleoindian Site Distributions and Raw Material Use in Indiana: an Analysis of State-level data." Edward W. Herrmann, Cory J. Mackenzie*, Katie Hunt*, John Flood*, and Josh Myers*. Paper presented at the Society for American Archaeology Conference, Washington D.C., April 12, 2018.

"Post-glacial drainage basin evolution in central Indiana: implications for prehistoric human settlement patterns." Edward W. Herrmann and G. William Monaghan. Paper presented at the Geological Society of America Conference, Seattle, WA. October 23, 2017.

"Early Paleoindian Mobility and Lithic Resource Use in Indiana." Herrmann, Edward W., Mackenzie J. Cory*, Katie Hunt*, John Flood*, and Josh Myers*. Paper presented at the Midwestern Archaeological Conference, Indianapolis, IN. October 20, 2017.

"Collaboration in the Wilderness: IUPUI and Hoosier National Forest." John Flood*, Angie Doyle, Joshua Myers*, Edward W. Herrmann, Jeremy J. Wilson. Poster presented at the Midwestern Archaeological Conference, Indianapolis, IN. October 21, 2017.

"The Town of Todd: A Digital Reconstruction of a Lost 19th Century Landscape in South-Central Indiana." Joshua Myers*, Edward W. Herrmann, John Flood*. Poster presented at the Midwestern Archaeological Conference, Indianapolis, IN. October 21, 2017.

"Fault the Fault: Lithic Procurement at 12Mo1555 Courtesy of the Mount Carmel Fault." Madeline Fasel*, John Flood*, Tyler Donaldson*, and Edward W. Herrmann. Poster presented at the Midwestern Archaeological Conference, Indianapolis, IN. October 21, 2017.

"Archaeological Field Schools within a Tribal Framework." Rebecca A. Nathan*, Edward W. Herrmann, and Matthew J. Rowe. Paper presented at the Plains Archaeological Conference, Lincoln, NE. October 15, 2016.

"Buffalo Jumps and Associated Archaeological Sites at Grapevine Creek, Montana." Edward W. Herrmann, Matthew J. Rowe, and Rebecca A. Nathan*. Paper presented at the Plains Archaeological Conference, Lincoln, NE. October 13, 2016.

"A Diachronic Analysis of Early and Late Mississippian Lithic Procurement and Utilization at the Lawrenz Gun Club Site (11Cs4)." John Flood*, Scott Hipskind*, Edward W. Herrmann, and Jeremy Wilson. Paper presented at the Midwestern Archaeological Conference, Iowa City, IA. October 8, 2016.

"Fortifications in the Eastern Woodlands of Pre-Columbian North America: An Examination of Organized Warfare during the Mississippian Period." John Flood*, Seth Grooms*, Matt Pike*, Edward W. Herrmann, Jeremy Wilson. Poster presented at the Society for American Archaeology Conference, Orlando, FL. April 8th, 2016.

"Lawrenz Rising: Preliminary Assessment of a Site Development Chronology for a Mississippian Village in West-Central Illinois." Matt Pike*, Jeremy Wilson, G.W. Monaghan, Edward W. Herrmann. Paper presented at the Society for American Archaeology Conference, Orlando, FL. April 8th, 2016.

"Where men get their meat: Rediscovering the Grapevine Creek buffalo jump complex, Crow reservation, Montana." Rebecca A. Nathan* and Edward W. Herrmann. Paper presented at the Plains Archaeological Conference, Iowa City, IA. November 16, 2015.

"The Best Offense Starts with a Strong Defense: Interpretations of Defensive Technologies and Strategies at the Lawrenz Gun Club Site, IL." Edward W. Herrmann, John Flood*, Matthew J. Rowe (Univ. of Arizona), Michael Ganis, Seth Grooms*, Tyler Henegan*. Poster presented at the Midwestern Archaeological Conference, Milwaukee, WI. November 7, 2015.

"Knapped in Stone: An Examination of Projectile Point Diversity and Blood Residue Analysis at the Lawrenz Gun Club, IL." Tyler Henegan*, Edward W. Herrmann, Jeremy Wilson, John Flood*. Poster presented at the Midwestern Archaeological Conference, Milwaukee, WI. November 7, 2015.

"The Pedagogy of Geoarchaeology: Integrating theory with practice in undergraduate learning experiences." Edward W. Herrmann, Jeremy Wilson, Mathew Pike*, G. William Monaghan. Paper presented at the Geological Society of America national Conference, Baltimore, MD. November 7, 2015.

"Rockhouse Hollow Rockshelter revisited; Geoarchaeological Investigations." Herrmann, Edward W. and Matthew J. Rowe. Paper presentation at the Society of American Archaeology national conference, San Francisco, CA. April 16, 2015.

"Paleoindians in the Floodplain: How Bedrock-control can Structure Archaeological Site Preservation." Paper presentation, Midwestern Archaeological Conference, Champaign, IL, October 4, 2014.

"Mississippian High Ground: Human Transformation of the Landscape at Lawrenz Gun Club." Savanna Johnson, Edward Herrmann, G. William Monaghan, Mark R. Schurr, and Matthew D. Pike*. Poster presentation, Midwestern Archaeological Conference, Champaign, IL, October 3, 2014.

"Terraforming and the Human-modified Landscape at the Lawrenz Gun Club Site (11Cs4)." Ashley Packard*, Edward Herrmann, G. William Monaghan, Aaron Stump*, and Matthew Pike*. Poster presentation, Midwestern Archaeological Conference, Champaign, IL, October 3, 2014.

"The Geochemistry and Historical Ecology of a Burnt Mississippian House at the Lawrenz Gun Club Site." Eliza Kane*, Kristen Twidt*, Gabriel Filippelli, G. William Monaghan, Edward Herrmann, Jessica Adamic*, and Aaron Stump*. Poster presentation, Midwestern Archaeological Conference, Champaign, IL, October 3, 2014.

"The German Ridge Project: Living on the Edge in the Hoosier National Forest in Southern Indiana." Timothy Baumann, George Monaghan, Angie Krieger, and Edward Herrmann. Paper presentation, Society of American Archaeology Conference, Austin TX, April 24, 2014.

"The Late Holocene Built Landscape at Angel Mounds: Results of NSF-Reu Research on Earthworks at Angel Mounds, Indiana." G. William Monaghan, Jeremy Wilson, Sarah Swartz*, Matthew Pike*, James Durbin, Ronald Counts, Edward Herrmann, Ashleigh Thompson*. Poster presentation, Geological Society of America Conference, Denver, CO, October 27, 2013.

"Paleoliquefaction within Mound F at Angel Mounds: Evidence for Late Holocene seismicity in the Midcontinental USA from an Archaeological Site, Southwestern Indiana." Ronald Counts, G. William Monaghan, Jeremy Wilson, Matthew Pike*, Edward Herrmann. Poster presentation, Geological Society of America Conference, Denver, CO, October 27, 2013.

"The Low Mounds at Angel: Mounds C, B, and H." G. William Monaghan, Matthew Pike*, Natasha R. Maxwell*, Nathan J. Dubinin*, Edward Herrmann. Poster presentation, Midwestern Archaeological Conference, Columbus Ohio, October 25, 2013.

"Geoarchaeology of Paleoindian-aged Landforms: Geomorphological Influences from the Midcontinent." Poster presentation, The Paleoindian Odyssey Conference, Santa Fe, New Mexico, October 14, 2013.

"Geomorphological Controls Affecting the Creation and Preservation of a Buried Wetland Environment during the Pleistocene/Holocene Transition: A Geoarchaeological Perspective." Paper presentation at the Geological Society of America Regional Conference, Kalamazoo, Michigan, May 2, 2013.

"Geoarchaeological Investigations of the White River Valley, South-Central Indiana." Paper presentation, Midwestern Archaeological Conference, East Lansing, Michigan, October 18, 2012.

"The Midwest Lithic Repository at the Glenn A. Black Laboratory of Archaeology." Edward Herrmann, Robert Mahaney*, Tim Baumann, and Loren Clark*. Poster presentation, Midwestern Archaeological Conference, La Crosse, Wisconsin, October 14, 2011.

"The Midwest Lithic Repository at the Glenn A. Black Laboratory of Archaeology." Tim Baumann, Robert Mahaney*, Edward Herrmann, and Loren Clark*. Paper Presentation, Indiana Archaeological Council, January 2011.

"Paleoindian and Early Archaic Settlement Patterns in South-Central Indiana." Paper presentation, Midwestern Archaeological Conference, Bloomington, Indiana, October 21, 2010.

"A Geoarchaeological Approach to Paleoindian and Early Archaic Settlement and Subsistence in South-Central Indiana." Poster presentation, Society for American Archaeology Annual Meeting, St. Louis, MO, April 14, 2010.

"Paleoindian and Archaic Period Investigations at Bradford Woods, Morgan County, Indiana." Poster presentation, Midwestern Archaeological Conference, Iowa City, Iowa, October 15, 2009.

Invited Lectures

"The Archaeoastronomy of Angel Mounds." Set of lectures and tours for Indiana State Museum, Angel Mounds State Historic Site Interpretive Center, Evansville, IN, to celebrate full solar eclipse. 250 participants. 4/7/2024 - 4/8/2024.

"Solar, Lunar, and Celestial Alignments of Angel Mounds." Workshop/Lecture for Indiana Geologists Association, 35 participants, Indianapolis. 3/15/2024.

"What Stone Tools Can Tell Us." Guest Lecture and flintknapping demonstration, IU Anthropology Department for Dr. Fumi Arakawa. 1/26/2024.

"Stone Tool Technological Innovations." Guest Lecture, IU Hutton Honors College and Anthropology Department. Dr. Rebecca Spang. 1/26/2024.

"Precontact Mounds in the Midwest." Invited talk, IU, Luddy School Informatics, Dr. Mehmet Dalkilic Artificial Intelligence class. Worked with class for semester to train AI to recognize mound forms in Lidar data. 1/23/2024.

"Cultural Clues Written in Stone." Guest Lecture and flintknapping demonstration, IU Anthropology Department; Dr. Fumi Arakawa. 1/17/2024.

"How to Recognize Stone Tools." Lecture and flintknapping demonstration for the Monroe County, Indiana Master Naturalist Class, Karst Farm Park, Bloomington, Indiana. September 14, 2023.

"Angel Mounds Celestial Alignments: a Midwestern Context." Invited talk given for the Miami Tribe at the **Myaamia Tribal Winter Gathering**, January 26, 2023.

"The Evolution of Stone Tools." Flintknapping Demonstration and Stone Tool Lecture for Professor Keitlyn Alcantara's A380 Prehistoric Diet and Nutrition class, IU Bloomington Anthropology Department. November 2, 2022

"Stone Tools through Time: Manufacturing and Use." Talk and flintknapping demonstrations for Indiana University's Sciencefest. Bloomington, IN campus, October 26, 2022.

"The Stone Tool Workshop." Hands-on lecture and workshop teaching lithic manufacturing to students and public. Outreach for the Indiana University Bloomington, First Nations Education and Cultural Center. October 11, 2022.

"The new "Inside-Out" Indiana University Museum of Archaeology and Anthropology." Radio Interview and talk about new museum concept for The Davinci Pursuit. <https://www.thedavincipursuit.com/2022/05/13/inside-out-a-concept-for-a-new-museum-live/>. May 13, 2022.

"The Eli Lilly Legacy and Angel Mounds Research." Virtual talk organized by the Indiana University Foundation for existing and potential museum donors. March 29, 2022.

"Storage Wars at IU: Stewardship of Collections during Museum Renovations." Invited talk for the Building Museums Conference, American Alliance of Museums, Washington, DC. March 15, 2022

"Museum of Archaeology and Anthropology Renovation and Tribal Inclusion Planning Process." For Susannah Koerber's IUPUI Museum Studies Class, February 14 & 28, 2022.

"Astronomical Alignments at Angel Mounds in Southern Indiana." Invited lecture for the 500 Earth Science Club in Central Indiana. February 13, 2022.

"Cultural Clues from Angel Mounds." Workshop lecture for Indiana State Museum Cultural Landscape Report Committee, Evansville, IN. February 4, 2022.

"The Lunar, Solar, and Celestial Alignments at Angel Mounds, Evansville Indiana." Invited talk for the Brown County, Indiana Rotary Club. January 6, 2022.

"Introducing the Indiana University Museum of Archaeology and Anthropology: the Inside-Out Museum." Talk for Susannah Koerber's Museum Studies class at IUPUI. November 17, 2021.

"The Evolution of Stone Tools." Flintknapping Demonstration and Stone Tool Lecture for Professor Keitlyn Alcantara's A107 Becoming Human class, IU Bloomington Anthropology Department. November 1, 2021.

"The Angel Mounds Lunar, Solar, and Celestial Alignments." Public Lecture at Angel Mounds National Historic Landmark and State Historic Site. October 9, 2021.

"Post-glacial drainage basin evolution in the Midcontinent, North America: implications for prehistoric human settlement patterns." Talk given for Preserving Historic Places Annual Conference, Indiana Department of Historic Preservation and Archaeology. October 1, 2021.

"Cultural Clues Written in Stone." Invited talk for Strawtown Archaeological Site for Archaeology Month in Indiana. September 25, 2021.

"The Geology of Beer." Invited talk for the American Association of Petroleum Geologists Women's Network (Zoom with >800 attendees), August 20, 2021.

Native American Graves Protection and Repatriation (NAGPRA) talk given to the IU Anthropology Department Graduate Student Association, April 21, 2021.

"Cultural Clues Written in Stone: What Stone Tools can Teach Us." Stone tool talk and flintknapping demonstration. Invited Lecture for the IU Museum of Archaeology and Anthropology outreach programming, April 8, 2021.

"Angel Mounds Indiana: museum collaborations and mound alignments." Invited talk for the Shawnee Tribe Cultural Center, Miami, Oklahoma (Zoom), March 18, 2021.

"Stone Tools Through Time: Manufacturing and Use." Talk and flintknapping demonstrations for Indiana University's Sciencefest. Bloomington, IN campus, October 17, 2020.

"Olduvai Gorge GIS mapping project." Invited talk for the Stone Age Institute symposium on Olduvai Gorge, Tanzania, May 22, 2019.

"Archaeological field school with Little Bighorn College at the Grapevine Creek Bison Jumps, Montana." Colloquium talk for the Geology and Anthropology departments, Salish Kootenai Tribal College. May 13, 2019.

"The Grapevine Creek bison jumps, Montana: the non-native ally perspective" Presentation for National Science Foundation site visit with the Salish Kootenai Tribal College. May 14, 2019.

"Flintknapping lecture and workshop." Organized flintknapping workshop with graduate students for members of the public during Indiana University's Science Fest. October 2017-2019.

"Deciphering cognitive evolution through stone tool manufacture and use." Guest speaker for the Taste of Science, Indianapolis, Indiana. April 23, 2018.

"Fermentation in prehistory: food and beverages." Guest speaker for the Da Vinci Pursuit, a regional non-profit, Indianapolis, IN. November 9, 2017.

"Stone Tools Through Time: Manufacturing and Use." Talk and flintknapping demonstrations for Indiana University's Sciencefest. Bloomington, IN campus, October 24, 2017.

"Bedrock control of river systems: implications for human settlement." Colloquium speaker for Indiana University Purdue University Indianapolis (IUPUI) Geology Department, Indianapolis, IN. April 3, 2017.

"How bedrock-controlled channel migration can structure selective preservation of late Pleistocene sediments: implications for modeling Paleoindian settlement." Colloquium speaker for Indiana University Department of Earth and Atmospheric Sciences, Bloomington, IN. February 1, 2016.

"The archaeology of beer and flavor manipulation." Invited talk for Science on Tap, a local non-profit, Bloomington, IN. October 25, 2016.

"Prehistoric food preservation." Invited lecture for Patterns in Prehistory class at the University of Arizona, Tucson, AZ. November 23, 2015.

"Prehistoric stone tool manufacture." Invited lecture and one-day seminar for anthropology students at the University of Arizona, Tucson, AZ. November 21, 2015.

"Beer in prehistory." Lecture series for Indiana University Purdue University Indianapolis Undergraduate Anthropology Association. April 3 and November 12, 2015.

"Rockhouse Hollow Rockshelter revisited." Invited lecture for the Glenn A. Black Laboratory of Archaeology, Bloomington, IN. March 26, 2015.

"Prehistoric people of Lawrence County, Indiana." Keynote speaker for Lawrence County Soil and Water Conservation District, USDA, Bedford, IN. February 2, 2015.

"Prehistoric flintknapping." Public talk and demonstration for Discovering Archaeology month at the Glenn A. Black Laboratory of Archaeology, Bloomington, IN. September 27, 2014.

"Geoarchaeology of Paleoindian and Early Archaic site distributions in the White River Valley, Indiana." Dissertation defense public lecture, Glenn A. Black Laboratory of Archaeology, Indiana University, Bloomington, IN. March 27, 2013.

"Early technologies demonstrations." Lecture and demonstrations of stone tool manufacturing for elementary students and Archaeology Month visitors at Strawtown Archaeological Site, Strawtown, IN. September 20 & 21, 2012.

"Experimental archaeology demonstrations." Early technologies talk and demonstrations for Middle School students at the Angel Mounds
"Archaeology C.S.I. Day" at Angel Mounds State Historic Site, Evansville, IN. May 18, 2012.

"Stone tools: materials, meaning & manufacture." Invited guest lecture for Angel Mounds Field School, Evansville, IN, May 17, 2012.

"What clues do archaeologists use when uncovering the past?" Guest lecture and demonstration at Arlington Heights Elementary School, Bloomington, IN. For teachers Judy Best and Ann Shedlak, December 5, 2011.

"Prehistoric technologies." Guest lecture for six classes at Bedford North Lawrence High School, Bedford, IN. For teacher Lacy Hawkins, August, 2011.

"Early Holocene peoples of the White River Valley." Research Series public talk for the Glenn A. Black Laboratory of Archaeology, Bloomington, IN. October 8, 2010.

“Prehistoric stone tool production.” Talk and flintknapping demonstration, Community outreach and education day at Bloomington Montessori School November 10, 2009.

“Archaeology as a career” talk and flintknapping demonstration, Grandview Elementary Career days, Bloomington, IN. October 8, 2008.

Other Professional Experience

Upland Brewing Company, Bloomington, Indiana

Brewmaster and Marketing Director, 11/1999 to 2/2005

Responsible for all aspects of brewery management, production, hiring, quality control, government reporting, recipe development, packaging, laboratory procedures, tasting panels, forecasting, sales, budgeting, advertising, and distributor relations. Became Indiana’s largest brewery.

Received *Great American Beer Festival Gold Medal* in 2002 (Wit Ale), *GABF Silver Medal* in 2003 (Pale Ale), and *World Beer Cup Bronze Award* in 2004 (Porter).

The 12 Apostles Brewpub, Frankfurt, Germany

Apprentice and Assistant Brewer, 9/1994 to 6/1996

Learned the art of German brewing under the direction of a Czech brewmaster. Responsible for lager rooms, fermentation, and brewing.

The Purdue Frederick Company

Product Manager, Corporate Headquarters, 5/1992 to 9/1994

Responsible for marketing, advertising, market analysis, copy development, forecasting, budgeting, sales support, and national meeting presentations of a timed-release theophylline and narcotic analgesic.

Professional Sales Representative, 1/1991 to 4/1992

Moved territory from lowest rank nationally to top third.

Abbott Laboratories

Substance Abuse Specialist, 10/1989 to 1/1991

Piloted market research program in New York State reviewing potential diversification of sales force; member of resulting sales force.

Diagnostic Systems Specialist, 8/1987 to 10/1989

Managed territory generating \$1.3 million annually.

Professional Organization Membership

The International Commission on Missing Persons, panel of experts

The Association of Science Museum Directors

The American Alliance of Museums

The American Association of University Professors

Register of Professional Archaeologists

Geological Society of America
Society for American Archaeology
Society for Historical Archaeology
Midwestern Archaeological Conference
Indiana Academy of Science
Plains Anthropological Society
The Great Basin Anthropological Association

Skills

German Language
Flintknapping