

Ashley Lemke

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EDUCATION

Ph.D. 2016 Anthropology, University of Michigan

M.A. 2010 Anthropology, University of Michigan

B.A. 2008 Anthropology (Special Honors) and Classical Civilization, University of Texas

RESEARCH INTERESTS

Anthropological theory, Indigenous archaeology, Underwater archaeology, Hunter-gatherers, Cultural heritage, Digital humanities, North America, Europe, the Arctic

POSITIONS

Associate Professor, University of Wisconsin-Milwaukee, 2023 – Present

Associate Professor, University of Texas at Arlington, 2022-2023

Visiting Associate Professor (Research Affiliation), University of Michigan, 2022-2023

Marine Geoarchaeologist VI, AECOM, 2021-2022

Visiting Assistant Professor (Research Affiliation), University of Michigan, 2017-2022

Assistant Professor, University of Texas at Arlington, 2016-2022

Postdoctoral Research Fellow, University of Michigan, Summer 2016

PUBLICATIONS

Books

2024 **Lemke, A.** *Anthropological Archaeology Underwater*. Cambridge University Press.

2022 **Lemke, A.** *The Architecture of Hunting: The Built Environment of Hunter-Gatherers and its Impact on Mobility, Property, Leadership, and Labor*. Texas A&M University Press.

2020 **Lemke, A.** *Introduction to Archaeology: A Workbook*. Mavs Open Press, University of Texas at Arlington Libraries. <https://uta.pressbooks.pub/introtoarchaeology/>

- 2018 **Lemke, A.** (Editor), *Foraging in the Past: Archaeological Studies of Hunter-Gatherer Diversity*. University Press of Colorado.
- 2015 Sonnenburg, E., **Lemke, A. K.**, and J. O'Shea (Editors), *Caribou Hunting in the Upper Great Lakes: Archaeological, Ethnographic, and Paleoenvironmental Perspectives*. University of Michigan Museum of Anthropology Memoirs, No. 57.

Articles and Book Chapters

- In Press **Lemke, A.** Anthropology Underwater: Investigating Hunter-Gatherer Responses to Holocene Water Levels through Archaeology, Indigenous Partnerships, and Virtual Reality. *Hunter-Gatherer Research*.
- 2024 Singh, H., Saad, S., Zhang, C., Palazzolo, T., Horton, J., Reynolds, R., O'Shea, **Lemke, A.** and C. O'Shea, Paleo-Games: Using AI and Gamification to Generate an Unguided tour of an Open World Virtual Environment for STEM Education in *Artificial Intelligence in HCI, Human-Computer Interaction International 2024 Part II*, H. Degen and S. Ntoa (Eds.) Springer, pp. 255-277.
- 2023 **Lemke, A.** Lessons from the Inland Seas: A Submerged Landscape Study in the Great Lakes in *Asia Pacific Regional Conference on Underwater Cultural Heritage Proceedings*, <https://apconf.omeka.net/items/show/1992>.
- 2023 **Lemke, A.** Submerged Prehistory and Anthropological Archaeology: Do underwater studies contribute to theory? In *Submerged Prehistory in the Americas: Methods, Approaches and Results*, J. M. O'Shea (Ed.), Routledge, pp. 5-26. [reprint]
- 2023 Saad, S., Palazzolo, T., Zhang, C., Reynolds, R., **Lemke, A.**, O'Shea, J., and C. O'Shea, Incorporating the Dynamics of Climate Change into the Deep Dive Virtual Reality Underwater Site Prediction System in *Artificial Intelligence in HCI, Human-Computer Interaction International 2023*, H. Degen and S. Ntoa (Eds.) Springer Nature Switzerland, pp. 554-573.
- 2022 Riebe, D., **Lemke, A.**, Ferguson, J., Nyers, A., Sonnenburg, E., Nash, B., and J. O'Shea, Extraordinary Claims Require Extraordinary Evidence: The Role of Inter-Laboratory Collaboration in Archaeological Discovery in *Obsidian Across the Americas: Compositional Studies Conducted in the Elemental Analysis Facility at the Field Museum of Natural History*, G. Feinman and D. J. Riebe (Eds.), Archaeopress, pp.7-16.
- 2022 **Lemke, A.** and J. O'Shea, Drowning the Pompeii Premise: Frozen Moments, Single Events, and the Character of Submerged Archaeological Sites. *World Archaeology* 54(1):142-156.
- 2022 Zhang, C., Saad, S., Palazzolo, T., Reynolds, R., O'Shea, J., O'Shea, C., and **A. Lemke**, Using Cooperative Multi-agent Systems to Support the Generation of Student

- Learning Profiles in the Deep Dive Land Bridge System, in *Human-Computer Interaction International 2022 Late Breaking Papers Interaction in New Media, Learning, and Games: HCII 2022 Virtual Event June 26-July 1, 2022, Proceedings*, Springer Nature Switzerland, pp. 504-524.
- 2022 Saad, S., Palazzolo, T., Zhang, C., Reynolds, R., **Lemke, A.**, O’Shea, J., and C. O’Shea, Learning to Evolve Procedural Content in Games Using Cultural Algorithms in *Fourth International Conference on Transdisciplinary Artificial Intelligence*, IEEE, pp. 106-115.
- 2022 **Lemke, A.**, Grinnan, N., and J. Haigler, Getting Your Feet Wet: Barriers to Inclusivity in Underwater Archaeology and How to Break Them. *Advances in Archaeological Practice* 10(2):129-139.
- 2021 **Lemke, A.**, Literal Niche Construction: Built Environments of Hunter-Gatherers and Hunting Architecture. *Journal of Anthropological Archaeology* 62:101276
- 2021 O’Shea, J. M., **Lemke, A. K.**, Nash, B. S., Sonnenburg, E. P., Ferguson, J. R., Nyers, A. J., and D. J. Riebe, Central Oregon Obsidian from a Submerged early Holocene Archaeological Site beneath Lake Huron. *PLOS ONE* 16(5): e0250840.
- 2021 Palazzolo, T., **Lemke, A.**, Zhang, C., Saad, S., Reynolds, R. G., and J. O’Shea, DeepDive: The Use of Virtual Worlds to Create an Ethnography of an Ancient Civilization. In *HCI International 2021 - Late Breaking Papers: Cognition, Inclusion, Learning and Culture*, Stephanidis, C. et al. (Eds.), Springer, pp. 615-629.
- 2021 **Lemke, A. K.**, The Day the Armchair Broke: A Reply to White. *PaleoAmerica* 7(4):305-308.
- 2021 **Lemke, A.**, Submerged Prehistory and Anthropological Archaeology: Do underwater studies contribute to theory? *Journal of Island and Coastal Archaeology*, 16(1):5-26.
- 2020 **Lemke, A.**, “Missing Cemeteries” and Structural Racism: Historic Maps (1887-1960) and Endangered African/African-American and Hispanic Mortuary Customs in Texas. *Historical Archaeology* 54(3):605-623.
- 2020 O’Shea, J. M. and **A. K. Lemke**, A Layered Approach for the Discovery and Mapping of Prehistoric Sites beneath Lake Huron. *Marine Technology Society Journal* 54(3):23-32.
- 2019 **Lemke, A. K.**, and J. M. O’Shea, The End of an Era? Early Holocene Paleoindian Caribou Hunting in a Great Lakes Glacial Refugium. In *People and Culture in Ice Age Americas: New Dimensions in Paleoamerican Archaeology*, R. Suárez and C. F. Ardelean (Eds.), Utah University Press, pp. 156-171.

- 2018 **Lemke, A. K.**, Hunter-Gatherers and Archaeology. In *Foraging in the Past: Archaeological Studies of Hunter-Gatherer Diversity*, A. Lemke (Ed.), University Press of Colorado, pp. 3-18.
- 2018 **Lemke, A. K.**, Underwater Archaeology and Archaeo-Ethnology of Prehistoric Hunter-Gatherers: Examining the role of ethnography in prehistoric forager research beneath the North American Great Lakes. In *Foraging in the Past: Archaeological Studies of Hunter-Gatherer Diversity*, A. Lemke (Ed.), University Press of Colorado, pp. 49-75.
- 2017 **Lemke, A. K.**, and J. M. O’Shea, The Seasonality of Prehistoric Caribou Hunting in Northeastern North America. *PaleoAmerica* 3(4):374-382.
- 2016 Nicodemus, A. and **A. K. Lemke**, Specialized Bone Working in the Bronze Age? The Organization of Production at Pecica-Șanțul Mare, Romania. *Cuadernos del Instituto Nacional de Antropología y Pensamiento Latinoamericano – Series Especiales*, 3(2):103-120.
- 2015 **Lemke, A. K.**, Great Lakes *Rangifer* and Paleoindians: Archaeological and Paleontological Caribou Remains from Michigan. *PaleoAmerica* 1(3):276-283.
- 2015 **Lemke, A. K.**, Wernecke, D. C., and M. B. Collins, Early Art in North America: Clovis and Later Paleoindian Incised Artifacts from the Gault Site, Texas (41BL3232), *American Antiquity* 80(1):113-133.
- 2015 **Lemke, A. K.**, Lithic Artifacts from Submerged Archaeological Sites on the Alpena-Amberley Ridge. In *Caribou Hunting in the Upper Great Lakes: Archaeological, Ethnographic, and Paleoenvironmental Perspectives*, E. Sonnenburg, A. K. Lemke, and J. O’Shea (Eds.), University of Michigan Museum of Anthropology Memoirs, No. 57, pp. 139-146.
- 2015 **Lemke, A. K.**, Comparing Global Ungulate Hunting Strategies and Structures. In *Caribou Hunting in the Upper Great Lakes: Archaeological, Ethnographic, and Paleoenvironmental Perspectives*, E. Sonnenburg, A. K. Lemke, and J. O’Shea (Eds.), University of Michigan Museum of Anthropology Memoirs, No. 57, pp.73-79.
- 2015 **Lemke, A. K.**, and J. M. O’Shea, Hunters and Hunting on the Alpena-Amberley Ridge during the Late Paleoindian and Early Archaic Periods. In *Caribou Hunting in the Upper Great Lakes: Archaeological, Ethnographic, and Paleoenvironmental Perspectives*, E. Sonnenburg, A. K. Lemke, and J. O’Shea (Eds.), University of Michigan Museum of Anthropology Memoirs, No. 57, pp.169-176.
- 2014 O’Shea, J. M., **Lemke, A. K.**, Sonnenburg, E., Reynolds, R.G., and B. Abbott, A 9,000- year-old Caribou Hunting Structure beneath Lake Huron. *Proceedings of the National Academy of Sciences* 111(19):6911-6915.

- 2014 Reynolds, R.G., Salaymeh, A., O'Shea, J., and **A. K. Lemke**, Using Agent-based Modeling and Cultural Algorithms to Predict the Location of Submerged Ancient Occupational Sites. *AI Matters* 1(1):12-14.
- 2013 **Lemke, A. K.**, Cutmark Systematics: Analyzing Morphometrics and Spatial Patterning at Palangana. *Journal of Anthropological Archaeology* 32(1):16-27.
- 2013 Speth, J.D., Newlander, K., White, A.A., **Lemke, A. K.**, and L.E. Anderson, Early Paleoindian Big Game Hunting: Provisioning or Politics? *Quaternary International* 85:111-139.
- 2013 O'Shea, J. M., **Lemke, A. K.**, and Reynolds, R. G., Nobody Knows the Way of the Caribou: *Rangifer* hunting at 45° North Latitude. *Quaternary International* 297:36:44.
- 2013 O'Shea, J. M., **Lemke, A. K.**, Reynolds, R. G., Sonnenburg, E., and G. Meadows, Approaches to the Archaeological Investigation of Submerged Landscapes: Research on the Alpena-Amberley Ridge, Lake Huron. In *Proceedings of the Joint International Diving Symposium and American Academy of Underwater Sciences and European Scientific Diving Panel*, M. Lang and M. Sayer (Eds.), pp. 201-205.
- 2008 **Lemke, A. K.**, and C. Timperley, Preliminary Analysis of Turtle Material from the Gault Site, Texas. *Current Research in the Pleistocene* 25:115-188.

Technical Reports

- 2022 Seibel, S., Parker, A. K., **Lemke, A.**, LaVigne, E., Albright, B., Cassedy, D., and J. Pelletier, *Marine Archaeological Resources Assessment Beacon Wind I Project Located in New York State Waters*. Summary Memorandum for Article VII Application. AECOM.
- 2022 Seibel, S., Parker, A. K., **Lemke, A.**, Grinnan, J., LaVigne, E., Albright, B., Cassedy, D., and J. Pelletier *Marine Archaeological Resources Assessment Beacon Wind Project*. AECOM.

Solicited Book Reviews and Articles

- 2023 **Lemke, A.**, Review of "More than Shelter from the Storm: Hunter-gatherer Houses and the Built Environment," Brian N. Andrews and Danielle A. Macdonald, University Press of Florida. *Antiquity* 97(391):243-245.
- 2022 **Lemke, A.**, Archaeology Underwater: How Submerged Landscapes are Changing the Future of the Field. *Journal of Ocean Technology* 17(2):108-109.
- 2020 **Lemke, A.**, Review of "Landscape Beneath the Waves: The Archaeological Investigation of Underwater Landscapes," Caroline Wickham-Jones, Oxbow Books. *Antiquity* 94(377):1375-1377.

- 2020 **Lemke, A.**, Review of “Sea-Level Change in Mesolithic Southern Scandinavia: Long- and Short-term Effects on Society and Environment”, Peter Moe Astrup, Aarhus University Press. *Journal of Maritime Archaeology* 15(4):503-506.
- 2019 **Lemke, A.**, Review of “The Archaeology of Large-Scale Manipulation of Prey: The Economic and Social Dynamic of Mass Hunting”, Kristen Carlson and Leland Bement (Eds.), University of Colorado Press. *American Anthropologist* 121(3):774-775.
- 2018 **Lemke, A. K.**, Review of “In the Eastern Fluted Point Tradition: Volume II”, Joseph A. M. Gingerich (Ed.), University of Utah Press. *American Antiquity* 83(4):763-764.

PRINCIPAL GRANTS & FELLOWSHIPS

- 2024 **University of Wisconsin-Milwaukee**, Discovery and Innovation Grant (DIG), Principal Investigator, Lake Michigan’s Submerged Indigenous Past: Capacity Building and New Underwater Archaeological Research (\$86,827)
- 2020 **National Oceanic and Atmospheric Administration**, Office of Ocean Exploration and Research, Co-Principal Investigator, *Discovering the Submerged Prehistory of the Alpena-Amberley Ridge in Central Lake Huron* (\$239,998)
- 2019 **University of Texas at Arlington**, UTA CARES Program, Principal Investigator, *Introduction to Archaeology Open Access Textbook* (\$1000)
- 2018 **University of Texas at Arlington**, Research Enhancement Program, Principal Investigator, *Evidence for Prehistoric Peoples on the Atlantic Continental Shelf* (\$10,000)
- 2017 **National Science Foundation**, EAGER Grant, Co-Principal Investigator, *Modeling Caribou Migrations and Traditional Hunting Strategies in a Virtual World Simulation* (\$168,847)
- 2015 **National Science Foundation**, Senior Research Award, Collaborator, *Hunters of the Alpena-Amberley Ridge: Testing Models of Seasonal Hunting and Aggregation in the Early Holocene* (\$189,803)
- 2014 **National Science Foundation**, Co-Principal Investigator, Doctoral Dissertation Improvement Grant (\$25,175)
- 2014 **Linda Britton and John R. Halsey Great Lakes Research Fund** (\$9720)
- 2014 **Council of Texas Archaeologists Student Research Grant** (\$1200)
- 2013 **Rackham Student Research Award** (\$3000)
- 2013 **Center for Russian, Eastern European, & Eurasian Studies Research Grant** (\$1500)
- 2013 **University of Michigan Graduate RCYBP Fund** (\$1500)
- 2012 **James Bennett Griffin Memorial Fellowship** (\$20,000)
- 2011 **James B. Griffin Scholarship** (\$2500)
- 2010 **Rackham Student Research Award** (\$1500)
- 2010 **International Institute Individual Fellowship** (\$1000)
- 2008 **Rackham Merit Fellow**, University of Michigan (5 years Graduate Tuition & Stipend)

COURSES TAUGHT

University of Wisconsin-Milwaukee (2023-Present)

ANTHRO 103 Digging Up the Past: Approaches to Archaeology
ANTHRO 502/502G Lithic Analysis: Stone Tools and Human Behavior
ANTHRO 641/641G Seminar in Anthropology: Underwater Archaeology
ANTHRO 990 Research and Thesis

University of Texas at Arlington (2016-2023)

ANTH 2339 Introduction to Archaeology
ANTH 3354 Anthropology of Hunting
ANTH 3358 Underwater Archaeology
ANTH 3359 Stone Tools
ANTH 3360 Archaeology in Practice
ANTH 4398 Summer Field School in Anthropology

University of Michigan, Graduate Student Instructor (2009-2014)

ANTHRARC 285 Frauds and Fantastic Claims in Archaeology
ANTHRARC 296 Anthropology of Hunting
ANTHRARC 385 Archaeology of Early Humans
ANTHRARC 386 Early Civilizations
ANTHRARC 487 Training Program in Archaeology

CONFERENCE PRESENTATIONS, ROLES, & INVITED LECTURES

* Denotes student co-author

- 2024 **Lemke, A.**, and J. O'Shea, *Exploring Novel Potentials: Ocean Exploration Research on the Alpena-Amberley Ridge*. Paper presented at the Society for Historical and Underwater Archaeology Conference, Oakland, CA.
- 2023 **Invited Keynote Speaker.** *A Deep Dive into Deep Time: Archaeology, Underwater*. Texas Archaeological Society 94th Annual Meeting, San Marcos, TX.
- 2023 **Lemke, A.**, *Lessons from the Inland Seas: A Submerged Landscape Study in the Great Lakes*. Paper presented at the 5th Asia-Pacific Regional Conference on Underwater Cultural Heritage, Gwangju, Korea.
- 2023 **Invited Speaker.** *The Frontier of Archaeological Research: Submerged sites in the North American Great Lakes*. Oklahoma Public Archaeology Network, Oklahoma Archaeology Month.
- 2023 Saad, S.* , Palazzolo, T., Zhang, C*., Reynolds, R., **Lemke, A.**, O'Shea, J., and C. O'Shea, *The Deep Dive System: Reimaging Global Climate Change with Artificial Intelligence and Virtual Reality*. Paper presented at the Association for the Advancement of Artificial Intelligence 2023 Spring Symposium, San Francisco, CA.

- 2023 **Lemke, A.**, O'Shea, J., Reynolds, R., and T. Palazzolo, *Virtual Worlds: Underwater Archaeology and Indigenous Engagement*. Paper presented at the 88th Society for American Archaeology Annual Meeting, Portland, Oregon.
- 2023 Nash, B.*, O'Shea, J., and **A. Lemke**, *The South Gap Site: A 9,000-year-old Submerged Hunting Site in Lake Huron with Far Reaching Connections*. Poster presented at the 88th Society for American Archaeology Annual Meeting, Portland, Oregon.
- 2023 **Invited Speaker**. *Anthropology Underwater: Combining Traditional Ecological Knowledge, Virtual Reality, and Archaeology*. Field Museum of Natural History, Chicago.
- 2023 **Lemke, A.**, *Drowned Landscapes in the North American Great Lakes: A case study from across the Atlantic*. Paper presented the Kiel Conference 2023: Scales of Social, Environmental, and Cultural Change in Past Societies, Kiel, Germany.
- 2023 Windle, M.*, **Lemke, A.**, and H. Piezonka, *How to Hunt, How to Herd? Exploring human-Rangifer interactions and applications of Traditional Ecological Knowledge in Archaeology*. Paper presented the Kiel Conference 2023: Scales of Social, Environmental, and Cultural Change in Past Societies, Kiel, Germany.
- 2023 **Symposium Co-Organizer and Co-Chair**. *Attention, this is a Submergency: Incorporating Global Submerged Records*. Society for Historical and Underwater Archaeology Annual Meeting, Lisbon, Portugal.
- 2022 Soto, Z.*, Martinez, B.*, Martinez Herrera, D.*, Way, P., and **A. Lemke**, *2022 Excavations at Way Ranch Part 1: Downtown Block 1*. Poster presented at the Texas Archaeological Society Annual Meeting, Tyler, Texas.
- 2022 Lowenthal, S.*, Tran, G.*, Williams, D.*, Rivera, R.*, and **A. Lemke**, *2022 Excavations at Way Ranch Part 2: Downtown Block 2 and Upper Terrace Test Units*. Poster presented at the Texas Archaeological Society Annual Meeting, Tyler, Texas.
- 2022 **Invited Speaker**. *A Consideration of Underwater Archaeological Research Design*. UMMAA at 100 Michigan's Mark: Past Present and Future. University of Michigan Museum of Anthropological Archaeology, Ann Arbor.
- 2022 **Moderator**. *Back to the Future: Graduate Student Panel*. UMMAA at 100 Michigan's Mark: Past Present and Future. University of Michigan Museum of Anthropological Archaeology, Ann Arbor.
- 2022 **Lemke, A.**, *Anthropology Underwater: Submerged Landscape Archaeology, Hunter-Gatherers, and Climate Change*. The Thirteenth Conference on Hunting and Gathering Societies, Plenary Session, Dublin, Ireland.

- 2022 **Discussant.** *Maritime Prehistory of Northeast Asia I: Boating and the Pleistocene Maritime Migration*, 87th Society for American Archaeology Annual Meeting, Chicago, IL.
- 2022 **Invited Speaker.** *Anthropology Underwater: Traditional Ecological Knowledge, Virtual Reality, and Archaeology*. University of Wisconsin – Madison.
- 2022 Haigler, J. V., Grinnan, N. B.*, and **A. Lemke**, *Inclusivity in Underwater Archaeology: Understanding Barriers and Offering Solutions*. Paper presented at the American Academy of Underwater Sciences (AAUS) Diving for Science Symposium, Galveston, TX.
- 2022 **Invited Speaker.** *Archaeology Underwater: How Submerged Landscapes are Changing the Future of Archaeology*. Archaeological Conservancy Virtual Lecture Series.
https://www.youtube.com/watch?v=8szy_4wFP90
- 2022 **Invited Speaker.** *Under the Great Lakes and Back in Time: 9000-year-old Archaeology below Lake Huron*. Underwater Archaeological Society of Chicago.
- 2022 Grinnan, N. B.*, **Lemke, A.**, and J. V. Haigler, *Inclusivity in Underwater Archaeology: Understanding Barriers and Offering Solutions*. Paper presented at the Conference on Historical and Underwater Archaeology, Philadelphia, PA.
- 2021 **Invited Panelist.** *Toward a Partnership for Maritime Archaeology in Canada*. Ontario Region Roundtable, Ontario Archaeological Society Annual Meeting, Virtual.
- 2021 **Lemke, A.**, and J. O’Shea, *Underwater Archaeology, Virtual Reality, and Collaboration*. Paper presented at the Ontario Archaeological Society Annual Meeting, Virtual.
- 2021 Williams, D.*, and **A. Lemke**, *Texas Students Conduct Underwater Archaeology in Lake Huron*. Poster presented at the Texas Archaeological Society Annual Meeting, Virtual.
- 2021 **Invited Guest Lecture.** *Underwater Archaeology: A Great Lakes Case Study*. Virtual class, Indiana University.
- 2021 Riebe, D., and **A. Lemke**, *Extraordinary Claims Require Extraordinary Evidence: The Role of Inter-Laboratory Collaboration in Archaeological Discovery*. Paper presented at the Obsidian Across the Americas Workshop, hosted by the Field Museum of Natural History, Chicago, Virtual.
- 2021 **Lemke, A.** *A 9,000-year-old Landscape: Underwater Archaeology and Interdisciplinary Investigations on the Alpena-Amberley Ridge, Lake Huron*. Paper presented at the Lakebed 2030 Conference, Virtual.

- 2021 **Invited Speaker.** *Archaeology Below the Surface: Investigating a 9,000-year-old landscape beneath Lake Huron.* Mapping the Great Lakes: Building the Case for Collaboration and Policy through Data. Virtual Speaker Series.
- 2021 **Lemke, A.,** *Submerged Prehistoric Archaeology on the Atlantic Continental Shelf.* Paper presented at the Society for American Archaeology Annual Meeting, Virtual.
- 2021 Reynolds, R., Palazzolo, T., **Lemke, A.,** O’Shea, J., and S. Saad*, *Deepdive: Using AI and Virtual Reality to Explore Ancient Submerged Landscapes.* Paper presented at the Society for American Archaeology Annual Meeting, Virtual.
- 2021 **Invited Speaker.** *Anthropology Underwater: Combining Traditional Ecological Knowledge, Virtual Reality, and Archaeology.* University of Texas at Austin.
- 2021 **Invited Speaker.** *Underwater Archaeology and Conducting Research in Masculine Spaces.* Women’s History Month Speaker Series, Centenary College.
- 2021 **Invited Speaker.** *Lost Cemeteries.* Virtual Meeting Lost Cemeteries Internship, Texas Historical Commission.
- 2021 **Invited Guest Lecture.** *Peopling of the Western Hemisphere: Underwater Evidence.* Virtual class, University of Oklahoma.
- 2021 **Invited Speaker.** *Archaeology Below the Surface: Underwater archaeology of a 9,000-year-old landscape beneath Lake Huron.* North Texas Archaeological Society, Virtual.
- 2021 **Workshop Co-Chair.** *Underwater Cultural Heritage: An ACUA Sponsored Workshop.* Conference on Historical and Underwater Archaeology, Virtual.
- 2020 **Invited Speaker.** “*Missing Cemeteries:*” *Structural Racism and Historical Maps.* The Necropolis Politic: Mourning, Reclamation, and Preservation in BIPOC Sacred Spaces, hosted by the University of Texas at Austin.
- 2020 **Workshop Co-Chair and Presenter.** *Underwater Cultural Heritage: An ACUA Sponsored Workshop.* Virtual Seminar, Society for American Archaeology.
- 2020 Palazzolo, T., **Lemke, A.,** Saad, S.*, Zhang, C.*, Jayanti, S.*, O’Shea, J., and R. Reynolds, *Deepdive: Using AI, Machine Learning, and Virtual Reality to Explore Ancient Civilizations.* Paper presented at the Artificial Intelligence for Industries (AI4I) Conference, University of California – Irvine.
- 2020 Palazzolo, T. **Lemke, A.,** Saad, S.*, Zhang, C.*, Jayanti, S.*, O’Shea, J., and R. Reynolds, *DEEPDIVE: Exploration of Ancient Submerged Civilizations.* Paper presented at the 25th Annual Conference on Cultural Heritage and New Technology, Vienna, Austria. Nominee for Best Student Paper.

- 2020 **Invited Speaker.** *Lost and Found: The Nexus of Cemetery ID, Archaeology, Urban Planning, and Community Involvement.* Real Places Preserving Historic Texas 2020 Conference, Austin, TX.
- 2020 O'Shea, J., and **A. K. Lemke**, *Micro-regional Archaeology Underwater: Approaches to Documenting Submerged Prehistoric Sites.* Paper presented at the Conference on Historical and Underwater Archaeology, Boston, MA.
- 2019 **Invited Speaker.** *Anthropology Underwater: Lessons from Investigating 9,000-year-old Submerged Sites in the Great Lakes.* Distinguished Early Career Researcher Lecture, Flinders University, South Australia.
- 2019 **Invited Participant.** *Submerged Precontact Archaeology in North America: An NSF-Sponsored Exploratory Workshop.* Smithsonian Institution Museum of Natural History, Washington D.C.
- 2019 **Invited Speaker.** "Missing" Cemeteries: Historic Maps and Endangered Mortuary Customs in Texas. Council of Texas Archaeologists Annual Meeting, Austin, Texas.
- 2019 **Invited Speaker.** *Prehistoric Archaeology Underwater.* Association of College and Research Libraries, Anthropology Librarians Discussion Group Forum.
- 2018 O'Shea, J., and **A. K. Lemke**, *Microregional Archaeology Underwater and New Techniques for Discovering Submerged Prehistoric Sites.* Paper presented at the Ontario Archaeological Society Symposium, Chatham-Kent, Ontario.
- 2018 Way, P.*, Anderson, J., Lassen, R., and **A. K. Lemke** *Archaeology at Way Ranch: A Multicomponent Site in Central Texas.* Poster presented at the Texas Archaeological Society Annual Meeting, San Antonio, TX.
- 2018 **Invited Participant.** *Building Bridges: A Symposium on Global Cultural Heritage Preservation.* Organized by the Cultural Heritage Coordinating Committee, Washington D.C.
- 2018 **Lemke, A. K.**, *Anthropology Underwater: Landscape Archaeology Above and Below water in the Great Lakes.* Paper presented at the Society for American Archaeology Annual Meeting, Washington D.C.
- 2018 **Discussant.** *Underwater Archaeology Skills, Training, and Opportunities in U.S. Colleges.* Conference on Historical and Underwater Archaeology, New Orleans, LA.
- 2017 **Lemke, A. K.**, Lassen, R., Barrett, J.* Bethell, T.*, Griffin, G.* and J. Ramsey*, *Archaeology at Way Ranch: Historic to Paleoindian Occupations in San Marcos, TX.* Paper presented at Texas Archaeological Society Annual Meeting, Grapevine, TX.

- 2017 Buck, L.* and **A. K. Lemke**, *Archaeological Field School at Way Ranch*. Poster presented at Texas Archaeological Society Annual Meeting, Grapevine, TX.
- 2017 **Roundtable Luncheon Leader**. *Archaeology of Submerged Landscapes: New Directions for Underwater Research*. Conference on Historical and Underwater Archaeology, Fort Worth, TX.
- 2017 Sonnenburg, L., Boyce, J., **Lemke, A. K.**, and J. O'Shea, *From Bathtubs to Big Lakes: Remote Sensing in Underwater Archaeology in the Great Lakes Region*. Paper presented at the Canadian Archaeological Association Annual Meeting, Ottawa, Canada.
- 2017 **Lemke, A. K.**, and J. M. O'Shea, *Cooperation or Competition? The Underwater Archaeology of Communal Hunting Structures*. Paper presented at the Society for American Archaeology Annual Meeting, Vancouver, B.C., Canada.
- 2017 **Lemke, A. K.**, and J. M. O'Shea, *The Next 50 Years of Archaeology Underwater*. Paper presented at the Conference on Historical and Underwater Archaeology, Fort Worth, TX.
- 2016 **Invited Lecture**. *Anthropology Underwater: Hunter-Gatherers and Hunting Architecture in the Great Lakes*. Texas A&M University.
- 2016 **Discussant**. *Issues in Submerged Prehistoric Archeology in the Americas*, 81st Society for American Archaeology Annual Meeting, Orlando, FL.
- 2016 **Lemke, A. K.**, and J. M. O'Shea, *Seasons of Change: An Investigation of Paleoindian Mobility and Interaction on a Submerged Landscape*. Paper presented at the Eastern States Archaeological Federation Annual Meeting, Langhorne, PA.
- 2016 **Lemke, A. K.**, and J. M. O'Shea, *Diving into Environmental Change: Underwater Archaeology of a Holocene Refugium in the Great Lakes*. Paper presented at the 81st Society for American Archaeology Annual Meeting, Orlando, FL.
- 2015 **Session Chair**. *Foraging Spectra: Hunter-Gatherer Diversity in Prehistory*, 80th Society for American Archaeology Annual Meeting, San Francisco, CA.
- 2015 **Lemke, A. K.**, *Hunter-Gatherers and Prehistory*. Paper presented at the 80th Society for American Archaeology Annual Meeting, San Francisco, CA.
- 2015 O'Shea, J. M., **Lemke, A. K.**, and E. Sonnenburg, *Microregional Approaches to Underwater Landscapes and Submerged Archaeological Sites*. Paper presented at the 80th Society for American Archaeology Annual Meeting, San Francisco, CA.
- 2015 Sonnenburg, E., O'Shea, J. M., and **A. K. Lemke**, *Where the Hunters Hunted: Paleoenvironmental Reconstruction of the Submerged Archaeological Landscapes of the Alpena-Amberley Ridge, Lake Huron*. Paper presented at the 80th Society for American Archaeology Annual Meeting, San Francisco, CA.

- 2015 **Lemke, A. K.**, and J. M. O'Shea, *Prehistoric Archaeology Underwater: Lessons from Hunting Caribou Hunters beneath Lake Huron*. Paper presented at the Conference on Historical and Underwater Archaeology, Seattle, WA.
- 2014 **Lemke, A. K.**, O'Shea, J. M., and E. Sonnenburg, *Hunters and Hunting on the Alpena-Amberley Ridge: Underwater Archaeology in Lake Huron*. Paper presented at Midwest Archaeological Conference, Champaign, IL.
- 2014 Sonnenburg, E., O'Shea, J. M., and **A. K. Lemke** *Landscapes of Submerged Caribou Hunting Structure on the Alpena-Amberley Ridge, Lake Huron, USA*. Paper presented at Geological Society of America Annual Meeting, Vancouver, BC, Canada.
- 2014 Nicodemus, A. and **A. K. Lemke** *Specialized Bone Working the Bronze Age? The organization of production at Pecica Șanțul Mare, Romania*. Paper presented at 12th International Council for Archaeozoology Conference, San Rafael, Argentina.
- 2014 Sonnenburg, E., O'Shea, J. M., **Lemke, A. K.**, and R. G. Reynolds, *A Nested Search Strategy for Locating Submerged Late Paleoindian-Early Archaic Caribou Hunting Structures on the Alpena-Amberley Ridge in Lake Huron*. Paper presented at the Canadian Archaeological Association Annual Meeting, London, Ontario.
- 2014 **Lemke, A. K.**, *Converging Lines of Evidence: Clovis Diet at the Gault Site*. Poster presented at the 79th Society for American Archaeology Annual Meeting, Austin, TX.
- 2014 Nicodemus, A. and **A. K. Lemke**, *From the Bronze to Iron Age: Diachronic faunal investigations at Pecica Șanțul Mare, Romania*. Poster presented at the 79th Society for American Archaeology Annual Meeting, Austin, TX.
- 2014 Wernecke, C. and **A. K. Lemke**, *Incised Stones from the Area 15 Excavation: The Gault Site, Central Texas*. Poster presented at the 79th Society for American Archaeology Annual Meeting, Austin, TX.
- 2013 **Lemke, A. K.**, J. M. O'Shea, and E. Sonnenburg, *Late Paleoindian and Early Archaic Caribou Hunters Underneath Lake Huron*. Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, NM.
- 2012 **Lemke, A. K.**, *Archaeology of Meat Sharing*. Paper presented at 77th Society for American Archaeology Annual Meeting, Memphis, TN.
- 2011 **Lemke, A. K.**, Newlander, K., White, A. A. and L. E. Anderson, *Paleoindian Big Game Hunting: Provisioning or Politics*. Paper presented at 76th Society for American Archaeology Annual Meeting, Sacramento, CA.

- 2010 **Lemke, A. K.**, Wells, B., Halligan, J. and J. Halteman, *Modeling Submerged Landscapes: Predicting human habitation and archaeological recovery in the Gulf of Mexico*. Poster presented at 75th Society for American Archaeology Annual Meeting, St. Louis, MO.
- 2009 Hemmings, C.A., **Lemke, A. K.**, Adovasio, J. M. and J. Halligan, *Not fit for man nor beast: The inundated continental shelf and the modern coastal distribution of Paleoindian and proboscidean remains in North America*. Poster presented at 74th Society for American Archaeology Annual Meeting, Atlanta, GA.

SELECTED PUBLIC TALKS

- 2024 *Underwater Archaeology in the Great Lakes*. Invited Speaker, Waukesha County Historical Society
- 2024 *Underwater Archaeology in the Great Lakes*. Wisconsin Marine Historical Society Spring Dinner.
- 2024 *Submerged Landscapes Archaeology in the Great Lakes*. Wisconsin Shipwreck Coast National Marine Sanctuary Advisory Council Meeting.
- 2023 *The Frontier of Archaeological Research: Submerged Sites in the North American Great Lakes*. School of Freshwater Sciences Colloquium.

FIELDWORK & LABORATORY EXPERIENCE

- 2024 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2024 **Serbia**, Rabe Anka Siget, Bronze Age
- 2023 **Wisconsin**, Cove Site, Late Woodland
- 2023 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2023 **Texas**, Early – Late Archaic, Curation Field School Director
- 2022 **Michigan**, Belson Site, Early Paleoindian
- 2022 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2022 **Texas**, Way Ranch, Early – Late Archaic, Principal Investigator, Field School Director
- 2022 **Lake Michigan**, Paleolandscape Survey, Subject Matter Expert
- 2021 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2021 **Lake Huron**, Historical shipwrecks, Principal Investigator, Field School Director
- 2019 **Texas**, Way Ranch, Middle – Late Archaic, Principal Investigator, Field School Director
- 2019 **Alaska**, Kotzebue, Ethnographic research and archaeological reconnaissance
- 2019 **Michigan**, Belson Site, Early Paleoindian
- 2019 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2018 **Texas**, Way Ranch, Middle – Late Archaic, Principal Investigator, Field School Director
- 2018 **Michigan**, Abend Site, Early Paleoindian – Archaic
- 2018 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2017 **Texas**, Way Ranch, Middle – Late Archaic, Principal Investigator, Field School Director

- 2017 **Michigan**, Bezek Site, Early Paleoindian
- 2017 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2016 **Michigan**, Camp Fort Hill, Early Woodland
- 2016 **Lake Huron**, Early Holocene Submerged Sites, Co-Principal Investigator
- 2015 **Michigan**, Bristle Mammoth Site
- 2015 **Atlantic Ocean**, Underwater Archaeological Survey, Principal Investigator
- 2015 **Michigan**, No Prize Site, Early Paleoindian
- 2015 **Lake Huron**, Early Holocene Submerged Sites
- 2014 **Texas**, Gault Site, Early Paleoindian – Archaic, Principal Investigator
- 2014 **Michigan**, Bezek Site, Early Paleoindian
- 2014 **Texas**, Gault Site, Early Paleoindian – Archaic, Principal Investigator
- 2014 **Lake Huron**, Early Holocene Submerged Sites
- 2013 **Romania**, Pecica Șanțul Mare, Middle Bronze Age – Iron Age
- 2013 **Lake Huron**, Early Holocene Submerged Sites
- 2012 **Lake Huron**, 18-19th Century Shipwrecks, Field School Co-Director
- 2011 **Lake Huron**, Underwater Archaeological Survey
- 2011 **Alaska**, Palangana, Protohistoric Nunamiut
- 2010 **Spain**, Abric Romani, Middle Paleolithic
- 2010 **Spain**, Atapuerca, Lower Paleolithic
- 2010 **Germany**, Hohle Fels, Upper Paleolithic, Gravettian
- 2010 **Germany**, Vogelherd, Upper Paleolithic, Aurignacian
- 2010 **Michigan**, Riley Mammoth Site
- 2009 **Gulf of Mexico**, Paleoindian Submerged Site Survey
- 2009 **New Mexico**, Bloom Mound, AD 1275-1450 Pueblo Village
- 2009 **Romania**, Pecica Șanțul Mare, Middle Bronze Age – Iron Age
- 2008 **Gulf of Mexico**, Paleoindian Submerged Site Survey
- 2008 **Texas**, Gault Site, Early Paleoindian – Archaic

SERVICE

Professional Service

- 2024 - **Associate Editor**, *Journal of Anthropological Archaeology*
- 2024 - **Board of Trustees**, Wisconsin Marine Historical Society
- 2023 - **Ex-Officio Chair**, Advisory Council on Underwater Archaeology
- 2023 - **Host Committee**, Midwest Archaeological Conference
- 2023 **Conference Code of Conduct Committee**, Society for Historical Archaeology
- 2022-2023 **Annual Meeting Program Committee**, Society for American Archaeology
- 2021 - **Research Editors Committee**, Society for Historical Archaeology
- 2021 - **Associate Editor**, *Historical Archaeology*
- 2020-2023 **Chair**, Advisory Council on Underwater Archaeology
- 2020-2023 **Board of Directors**, Society for Historical Archaeology
- 2020-2023 **Member**, Lost Cemeteries Task Force
- 2019-2020 **Vice Chair**, Advisory Council on Underwater Archaeology
- 2018 - **Member**, U.S. Committee of the Blue Shield

2017 - **Board of Directors**, Advisory Council on Underwater Archaeology
2017 - **Editorial Board**, *Journal of Texas Archaeology and History*
2017-2019 **Secretary**, Advisory Council on Underwater Archaeology
2015-2016 **Editorial Assistant**, *Journal of Anthropological Archaeology*

Reviewer

Grants: National Oceanic and Atmospheric Administration Ocean Explorer Grant Program, Volkswagen Stiftung Open Up – New Research Spaces for the Humanities and Cultural Studies, Texas Higher Education Coordinating Board Open Educational Resources Grant Program

Articles: *Proceedings of the National Academy of Sciences, PLOS ONE, Quaternary Science Reviews, Open Quaternary, Geographical Review, World Archaeology, Journal of Archaeological Method and Theory, Journal of Anthropological Archaeology, Journal of Archaeological Science, Journal of Archaeological Science: Reports, Historical Archaeology, American Antiquity, Advances in Archaeological Practice, the Journal of Island and Coastal Archaeology, PaleoAmerica, Heritage, Rhetoric Society Quarterly, the International Journal of Bahamian Studies, and the Journal of Texas Archaeology & History*

Books: The University of Utah Press, Texas A&M University Press, Wayne State University Press, University Press of Colorado, Springer Press (x2)

Book

Proposals: University of New Mexico Press, Springer Press

University of Wisconsin-Milwaukee Service

2024 - **Graduate Student Fellowships Committee**
2023 - **Internal Advisory Committee Bylaws Sub-Committee Chair**, Archaeological Research Laboratory Center
2023 - **Internal Advisory Committee**, Archaeological Research Laboratory Center
2023 - **Colloquium Committee**, Department of Anthropology
2023 - **Library Committee**, Department of Anthropology
2023 - **Public Engagement Committee**, Department of Anthropology
2023 - **Web and Instructional Technology Committee**, Department of Anthropology

University of Texas at Arlington Service

2023 **Student Awards Committee**, Department of Sociology and Anthropology
2022-2023 **Spotlight on Students Faculty Liaison**, College of Liberal Arts
2022 **Workload Committee Chair**, Department of Sociology and Anthropology
2021 **Periodic Review Committee**, Department of Sociology and Anthropology
2021 **Strategic Plan Committee**, Department of Sociology and Anthropology
2020-2023 **Land Acknowledgement Task Force Member**
2020-2022 **Teaching Awards Committee**, College of Liberal Arts

2018-2019 **Workload Committee Chair**, Department of Sociology and Anthropology
2016-2023 **Curriculum Committee**, Anthropology Program
2016-2023 **Faculty Advisor**, Anthropology Club

HONORS & AWARDS

2024 **Elected Fellow**, The Explorers Club

2023 **Induction into the Academy of Distinguished Teachers**, University of Texas at Arlington.

2022 **Outstanding Research Achievement or Creative Accomplishment Award**, University of Texas at Arlington.

2020 **President's Award for Excellence in Teaching**, University of Texas at Arlington.

2020 **Outstanding Research or Creative Activity Award**, College of Liberal Arts, University of Texas at Arlington.

2020 **Student Organization Advisor of the Year**, University of Texas at Arlington.

2019 **Dean's Accolade Endowment Award**, College of Liberal Arts, University of Texas at Arlington.

2019 **Outstanding Teaching Award for Tenure-Track Faculty**, College of Liberal Arts, University of Texas at Arlington.

2018 **Gender and Minority Affairs Committee Diversity Field School Award 3rd Place**, Society for Historical Archaeology.

2017 **Louise Williams Distinguished Dissertation Award**, Department of Anthropology, University of Michigan.

2014 **Outstanding Graduate Student Instructor Award**, Anthropology of Hunting, Department of Anthropology, University of Michigan.

2013 **Milford H. Wolpoff Graduate Student Publication Award**, Department of Anthropology, University of Michigan.

2010 **Outstanding Graduate Student Instructor Award**, Archaeology of Early Humans, Roy Rappaport Memorial Fund, Department of Anthropology, University of Michigan.

2009 **Department of Anthropology Service Award**, University of Michigan.

SELECTED MEDIA

- 2024 [National Public Radio](#), Wisconsin Public Radio, Central Time, “Ask an Underwater Archaeologist” (Feb. 28, 2024)
- 2024 [National Public Radio](#), Research News, “Scientists scanning the seafloor discover a long-lost Stone Age ‘megastructure’” (Feb. 22, 2024)
- 2024 [National Public Radio](#), All Things Considered, “By accident, scientists found an underwater ‘megastructure’ from the Stone Age” (Feb. 19, 2024)
- 2024 [Science](#), “Strange Wall of Stones Found beneath Baltic Sea may have Helped Humans Hunt Reindeer” (Feb. 12, 2024)
- 2024 [Science Friday](#), “Using AI to Help Find Ancient Artifacts in the Great Lakes” (Jan. 19, 2024)
- 2024 [Atlas Obscura](#), “How the Great Lakes Formed – and the Mystery of Who Watched it Happen” (Jan. 11, 2024)
- 2023 [Wondrium](#), Pilot Episode “Underwater Archaeology: The North American Great Lakes”
- 2021 [Phys.org](#), “Underwater Archaeologist Advocates for Diversity in the Field” (Dec. 22, 2021)