

EMILY LOUISE HAMMER

Curriculum vitae
15 November 2024

Middle Eastern Languages and Cultures
University of Pennsylvania
Williams Hall
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Citations on Google Scholar: <https://scholar.google.com/citations?user=49s7JlMAAAAJ&hl=en>

Pdfs of publications on Academia: <https://upenn.academia.edu/EmilyHammer>

ACADEMIC APPOINTMENTS

University of Pennsylvania

Assistant Professor, Middle Eastern Languages and Cultures Department, 2017-present
Mellon Faculty Fellow, Price Lab for the Digital Humanities, 2017-2019, 2020-2025
Faculty Member of the Graduate Group of the Anthropology Department, the Graduate Group in Art and Archaeology of the Mediterranean World, the Cultural Heritage Center, and the Middle East Center

The University of Chicago

Research Associate, Afghan Heritage Mapping Project, The Oriental Institute, 2017-2019
Director, Center for Ancient Middle Eastern Landscapes, The Oriental Institute, 2014-2017
Research Associate (Assistant Professor), The Oriental Institute, 2016-2017
Lecturer, Near Eastern Languages and Civilizations Department, 2014-2016

New York University

Visiting Assistant Professor, Institute for the Study of the Ancient World, 2012-2014
Instructor, Anthropology Department, 2012-2014

EDUCATION

Harvard University

PhD, Anthropology (Archaeology Program), 2012
Dissertation: "Local Landscapes of Pastoral Nomads in Southeastern Turkey."

Ankara Üniversitesi TÖMER

Level 4 Certificate, Turkish Language School, 2009

Bryn Mawr College

AB (summa cum laude), Mathematics; Near Eastern Archaeology, 2006.
Honors theses: "Stable Solvability of a Family of Quartic Thue Equations" and "Spatiality in the Neo-Assyrian Palaces of Assurnasirpal II, Sargon II, and Sennacherib."

PUBLICATIONS

Book

Hammer, E. forthcoming, April 2025. *The Archaeology of Pastoralism, Mobility, and Society: Beyond the Grass Paradigm*. Cambridge University Press.
(contract signed 5 March 2024 and final manuscript delivered—currently at proof stage)

Peer-reviewed publications

1. Hammer, E. Forthcoming, 2025. “A Case Study in Spatial Ethnoarchaeology: Views of Iraqi Marsh Communities through Time from Above.” T. Tartaron and M. Kassabaum, eds. *The Future of Ethnoarchaeology*. Archaeological Papers of the American Anthropological Association. [submitted 12 September 2024]
2. Bates, J., K. Morrison, M. Madella, A.C. Hill, N. Whitehouse, M.-J. Galliard, T. Abro, K. Anupama, A. Casile, A. Chandio, S. Chatterjee, K. Gangopadhyay, E. Hammer, S. Haricharan, M. Hazarika, R. Korisettar, C. Lancelotti, S. Pappu, C.A. Petrie, R. Premathilake, S. Sen, M. Veesar. S. Veerasamy, V. Vinayak. Forthcoming, 2025. “Early to Mid-Holocene Land Use Transitions in South Asia: a new archaeological synthesis of potential human impacts.” *PLOS One*. [accepted 8 Nov 2024]
3. Hill, A.C., M. Madella, N. Whitehouse, C. Jiménez Artega, E. Hammer, J. Bates. L. Welton, S. Biagetti, J. Hilpert, K. Morrison. 2024. “Per Capita Land Use through Time and Space: A New Database for (Pre)Historic Land-Use Reconstructions.” *Land* 13: 1144.
<https://doi.org/10.3390/land13081144>
4. Hammer, E. and A. Di Michele. 2023. “The Suburbs of the Early Mesopotamian City of Ur (Tell al-Muqayyar, Iraq).” *American Journal of Archaeology* 127 (4): 449-479.
<https://doi.org/10.1086/725907>
5. Hammer, E. 2023. Remote Sensing Evidence for Third Millennium BCE Urban Form and Hydrology at the Mesopotamian City of Lagash (Tell al-Hiba, Iraq) [Reply to Pittman et al.]. *Journal of Anthropological Archaeology* 71: 101531. <https://doi.org/10.1016/j.jaa.2023.101531>
6. McMahan, A., H. Pittman, Z. al-Rawi, D. Ashby, K. Burge, R. Goodman, E. Hammer, S. Pizzimenti. 2023. “Dense Urbanism and Resilient Economy at Third Millennium BC Lagash, South Iraq.” *Antiquity* 97 (393): 596–615. <https://doi.org/10.15184/aqy.2023.36>
7. Hammer, E., E. Stone, A. McMahan. 2022. “The Structure and Hydrology of the Early Dynastic City of Lagash from Satellite and Aerial Images.” *Iraq* 84: 103–127.
<https://www.doi.org/10.1017/irq.2022.5>
8. Hammer, E. 2022. “Multi-centric, Marsh-based Urbanism at the Early Mesopotamian City of Lagash (Tell al-Hiba, Iraq).” *Journal of Anthropological Archaeology* 68: 101458.
<https://doi.org/10.1016/j.jaa.2022.101458>
9. Hammer, E. 2022. “Role and Characteristics of Irrigation in the Kingdom of Urartu.” S. Rost, ed. *Irrigation in Early States: New Directions*. Chicago: Oriental Institute Publications, pp. 267-303.
10. Hammer, E., M. FitzPatrick, and J. Ur. 2022. “Succeeding CORONA: Declassified HEXAGON Intelligence Imagery for Archaeological and Historical Research.” *Antiquity* 96(387): 679-695. <https://doi.org/10.15184/aqy.2022.22>
11. Scott, A., S. Reinhold, T. Hermes, A.A. Kalmykov, A. Belinskiy, A. Buzhilova, N. Berezina, A.R. Kantorovich, V.E. Maslov, F. Guliyev, B. Lyonnet, P. Gasimov, B. Jalilov, J. Eminli, E. Iskandarov, E.

- Hammer, S. Nugent, R. Hagan, K. Majander, P. Onkamo, K. Nordqvist, N. Shishlina, E. Kaverzneva, A.I. Korolev, A.A. Khokhlov, R.V. Smolyaninov, S.V. Sharapova, R. Krause, M. Karapetian, E. Stolarzyk, J. Krause, S. Hansen, W. Haak, C. Warinner. Emergence and intensification of dairying in the Caucasus and Eurasian steppes. 2022. *Nature Ecology and Evolution* 6(6): 813-822. <https://doi.org/10.1038/s41559-022-01701-6>
12. Morrison, K., E. Hammer* (corresponding author), O. Boles, M. Madella, N. Whitehouse, M-J. Gaillard-Lemdahl, J. Bates, M. Vander Linden, S. Merlo, A. Yao, L. Popova, A.C. Hill, LandCover6k land use participants. 2021. "Mapping past human land use using archaeological data: a new classification for global land use synthesis and data harmonization." *PLoS ONE* 16(4): e0246662. <https://doi.org/10.1371/journal.pone.0246662>
 13. Hammer, E. 2021. Invited comment on Spengler et al. "An Imagined Past? Nomadic Narratives in Central Asian Archaeology." *Current Anthropology*. <https://doi.org/10.1086/714245>
 14. Skourtanioti, E., Y.S. Erdal, M. Frangipane, F. Balossi Restelli, K.A. Yener, F. Pinnock, P. Matthiae, R. Özbal, U-D. Schoop, F. Guliyev, T. Akhundov, B. Lyonnet, E. Hammer, S.E. Nugent, M. Burri, G. Neumann, S. Penske, T. Ingman, M. Akar, R. Shafiq, G. Palumbi, S. Eisenmann, M. D'Andrea, A.B. Rohrlach, C. Warinner, C. Jeong, P.W. Stockhammer, W. Haak, J. Krause. 2020. "Genomic history of Neolithic to Bronze Age Anatolia, Northern Levant and Southern Caucasus." *Cell* 181(5): 1158-1175.e28. <https://doi.org/10.1016/j.cell.2020.04.044>
 15. Hammer, E. 2019. "The City and Landscape of Ur: An Aerial, Satellite, and Ground Reassessment." *Iraq* 81: 173-206. <https://doi.org/10.1017/irq.2019.7>
 16. Hammer, E. and J. Ur. 2019. "Near Eastern Landscapes and Declassified U2 Aerial Imagery." *Advances in Archaeological Practice* 7(2): 107-126. <https://doi.org/10.1017/aap.2018.38>
 17. Herrmann, J. and E. Hammer. 2019. "Archaeo-geophysical survey of Bronze and Iron Age fortress landscapes of the South Caucasus." *Journal of Archaeological Science Reports* 24: 663-676. <https://doi.org/10.1016/j.jasrep.2019.02.019>
 18. Arbuckle, B. and E. Hammer. 2019. "The Rise of Pastoralism in the Ancient Near East." *Journal of Archaeological Research* 27: 391-449. <https://doi.org/10.1007/s10814-018-9124-8>
 19. Karacic, S., M. Händel, E. Hammer, and P. Magee. 2018. "The Architecture of the Iron Age II Fortified Settlement at Muweilah (Sharjah, United Arab Emirates)." *Arabian Archaeology and Epigraphy* 29: 27-54. <https://doi.org/10.1111/aae.12108>
 20. Hammer, E., R. Seifried, K. Franklin, and A. Lauricella. 2018. "Remote Assessments of the Archaeological Heritage Situation in Afghanistan." *Journal of Cultural Heritage* 33: 125-144. <https://doi.org/10.1016/j.culher.2017.12.008>
 21. Franklin, K. and E. Hammer. 2018. "Untangling palimpsest landscapes in conflict zones: a 'remote survey' in Spin Boldak, Southeast Afghanistan." *Journal of Field Archaeology* 43 (1): 58-73. <https://doi.org/10.1080/00934690.2017.1414522>
 22. Hammer, E. 2018. "Water Management by Mobile Pastoralists in the Middle East." E. Holt, ed. *Water and Power in Past Societies*. Buffalo: State University of New York Press, pp. 63-88.
 23. Lauricella, A., J. Cannon, S. Branting, E. Hammer. 2017. "Semi-automated detection of looting in Afghanistan using multispectral imagery and principal component analysis." *Antiquity* 91 (359): 1344-1355. <https://doi.org/10.15184/aqy.2017.90>

24. Hammer, E. and B. Arbuckle. 2017. "10,000 years of Anatolian pastoralism: a review of evidence for variability in pastoral lifeways." *Nomadic Peoples* 21.2 (Ancient Pastoralisms): 214-267. <https://doi.org/10.3197/np.2017.210204>
25. Hammer, E. and A. Lauricella. 2017. "Historical Imagery of Desert Kites in Eastern Jordan." *Near Eastern Archaeology* 80(2, Repopulating the Badia): 74-83. <https://doi.org/10.5615/neareastarch.80.2.0074>
26. Hammer, E. 2014. "Local Landscape Organization of Mobile Pastoralists in Southeastern Turkey." *Journal of Anthropological Archaeology* 35: 269-288. <https://doi.org/10.1016/j.jaa.2014.06.001>
27. Hammer, E. 2014. "Highland fortress-polities and their settlement systems in the South Caucasus." *Antiquity* 88 (341): 757-774. <https://doi.org/10.1017/S0003598X00050675>
28. Algaze, G., E. Hammer, and B. Parker. 2012. "The Tigris-Euphrates Archaeological Reconnaissance Project: Final Report of the Cizre Dam and Cizre-Silopi Plain Survey Areas." *Anatolica* 38: 1-115. <https://doi.org/10.2143/ANA.38.0.2186349>
29. Ur, J. and E. Hammer. 2009. "Pastoral Nomads of the Second and Third Millennia A.D. on the Upper Tigris River, SE Turkey: the Hirbemerdon Tepe Survey." *Journal of Field Archaeology* 34 (1): 37-56. <https://doi.org/10.1179/009346909791071087>
30. Magee, P., H-P. Uerpmann, M. Uerpmann, S. Jasim, M. Händel, D. Barber, C. Fritz, and E. Hammer. 2009. "Multi-disciplinary research on the past human ecology of the east Arabian coast: Excavations at al-Hamriya and Tell Abraç (Emirate of Sharjah, United Arab Emirates)." *Arabian Archaeology and Epigraphy* 20 (1): 18-29. <https://doi.org/10.1111/j.1600-0471.2008.00304.x>

Manuscript submissions to peer-reviewed venues

1. Welton, L., E. Hammer, F. Chelazzi, M. de Gruchy, J. Gaastra, D. Lawrence. "A Multi-Proxy Reconstruction of Anthropogenic Land Use in Southwest Asia at 6 kya: Combining Archaeological, Ethnographic and Environmental Datasets." *Quaternary Science Reviews*. [submitted 10 June 2024, revised and resubmitted 28 October 2024].
2. Hammer, E. "Spatial Ethnoarchaeology of Change in Mobile Pastoralist and Marsh Dwelling Communities." *Current Anthropology*. [manuscript in full draft form, planned submission in fall 2024]
3. Hill, A.C., Y. Rowan, J. Brown, E. Hammer, K. Morrison. "Contextualizing the Black Desert: Deep Learning and Historic Imagery to Map Ancient Landscapes in Jordan." *Journal of Archaeological Science*. [manuscript in full draft form, planned submission in fall 2024]
4. Hammer, E. "Mobility and Pastoralism." J. Bradbury, C. Glatz, Ö. Harmanşah, and D. Lawrence, eds. *The Routledge Handbook of Rural and Landscape Archaeology in Western Asia*. [solicited; manuscript in partial draft form, planned submission in fall 2024]
5. Hammer, E. *GIS, Remote Sensing, and Modeling in Environmental Archaeology*. Elements in Environmental Archaeology Series. Cambridge University Press. [c. 30,000 words target, solicited; manuscript in partial draft form, planned submission in summer 2025]

Non-peer-reviewed publications, published reports, and online datasets

1. Hammer, E. 2020. Archaeological Assessments of Land Use in Mesopotamia and Arabia at 6000 BP. PANGAEA, <https://doi.org/10.1594/PANGAEA.922243>
2. Ur, J.A., and Hammer, E. 2018. Spatial Index of U2 Aerial Photography of the Middle East, 1958–1960. Harvard Dataverse, V1, UNF:6:pbkxs4snxBnwjHehe9wwiA==. <https://doi.org/10.7910/DVN/VD74QX>, accessed November 2, 2018.
3. Lindsay, I., K. Rubinson, A. Greene, E. Hammer, and D. Lawrence. 2018. “Progress, Problems, and Possibilities of GIS in the South Caucasus: An International Workshop Summary.” *Antiquity* 92 (362): e9, 1-7.
4. Hammer, E. 2018. “Hamriya 2012-2013 Field Report.” *Annual Sharjah Archaeology* 14: 38-46.
5. Morrison, K., E. Hammer, L. Popova, M. Madella, N. Whitehouse, and M.-J. Gaillard. 2018. “Global-scale comparisons of human land use: developing shared terminology for land-use practices for global change.” *PAGES Magazine* 26(1): 8-9.
6. Hammer, E. 2017. “Archaeological Landscapes of Iran from Satellite and Aerial Imagery.” *Proceedings of the Young Archaeologists’ Conference at Tehran University 2015*.
7. Morrison, K., M.-J. Gaillard, M. Madella, N. Whitehouse, E. Hammer. 2016. “Land-use classification.” *PAGES Magazine* 24(1):40.
8. Hammer, E. 2015. “Oğlanqala, Qızqala 1, and their settlement: results of the American-Azerbaijan archaeological survey.” In *Proceedings of the Naxçıvan International Archaeology Conference, Held in Ağbulaq, Naxçıvan, Azerbaijan on July 4-5, 2014*. Naxçıvan Muxtar Respublikasının yubileyləri: Azərbaycan Respublikası Naxçıvan Muxtar Respublikası-90. Bakı: Əcəmi.
9. Hammer, E., V. Bakhshaliyev, and L. Ristvet. 2013. "Preliminary Results from a New Survey of Fields and Upland Areas in Sharur Region." In *Naxçıvan: İlkın şəhər və Duzdağ (27-28 iyul 2012-ci ildə keçirilmiş beynəlxalq simpoziumun materialları)*. Azerbaijani National Academy of Sciences, Naxçıvan, 149-176.

Newsletter articles and popular writing

1. Hammer, E. 2020. “Spy Plane Photos Open Windows into Ancient Worlds.” *SAPIENS* (Online public-facing publication of the Wenner-Gren Foundation for Anthropological Research). 21 February. <https://www.sapiens.org/archaeology/satellite-imagery/> [Republished at Atlas Obscura, 2 March: <https://www.atlasobscura.com/articles/spy-plane-photos-show-ancient-civilizations>]
2. Hammer, E. 2016. “New Research Directions in the Center for Ancient Middle Eastern Landscapes.” *Oriental Institute News and Notes*, Winter 2016: 2-9.
3. Hammer, E. 2013. “Settlements in the Shadow of Fortresses in Azerbaijan.” *ISAW Newsletter* 9 (Newsletter of the Institute of the Study of the Ancient World at New York University), Fall 2013: 12-13.
4. Hammer, E. 2010. “In Pursuit of Ancient Pastoral Nomads Along the Tigris River.” *Symbols* (Magazine of the Peabody Museum at Harvard University), Spring 2010: 5-7.

AWARDS AND GRANTS (*=external; PI is/was Emily Hammer unless otherwise noted)

- 2022 **Wolf Humanities Center**, University of Pennsylvania, Book Manuscript Workshop Grant, \$5000
- 2020 ***Wenner-Gren Foundation for Anthropological Research**, Hunt Postdoctoral Writing Fellowship for “Toward an Empirical Archaeology of Pastoralism and Pastoral Mobility,” \$40,000
- 2019-21 ***Archaeological Institute of America**, National Lecturer
- 2018 ***National Geographic Society**, Committee for Research and Exploration Grant for “Wetlands and Early Mesopotamian Cities: Multi-disciplinary Investigations at Tell al-Hiba (Lagash), Iraq (Grant #NGS-386R-18),” \$30,000
- 2015-17 ***US Department of State**, US Embassy Grant for “Afghan Heritage Mapping Partnership Project” (institutional grant to The Oriental Institute of The University of Chicago, E. Hammer wrote grant and directed components of the funded work under the Center for Ancient Middle Eastern Landscapes—first two years’ award was over \$1,000,000)
- 2015 **Franke Institute for the Humanities**, University of Chicago, Center for Disciplinary Innovation Grant for “Nomads, Networks, and Political Complexity in the Ancient Near East” (with Richard Payne), \$1500
- 2014-17 ***US National Science Foundation**, “Collaborative Research: Urbanism in the Iron Age South Caucasus: Archaeological Investigations in Naxçivan, Azerbaijan (Grant #BCS-1430404),” (co-PIs: Lauren Ristvet and Emily Hammer; Hilary Gopnik), \$281,982
- 2013 ***National Geographic Society**, Committee for Research and Exploration Grant for “Mapping Urbanism in the South Caucasus: The Naxçivan Archaeological Project (Grant #9367-13),” \$17,976
- 2013 ***American Research Institute of the South Caucasus**, Postdoctoral and Junior Faculty Research Fellowship for “Mapping Urbanism in the South Caucasus,” \$5500
- 2012 **Davis Center for Russian and Eurasian Studies**, Maurice Lazarus Graduate Research Grant for “Archaeological Landscapes of Highland and Steppe Zones in Naxçivan, Azerbaijan,” \$2500
- 2012 ***American Research Institute of the South Caucasus**, Graduate Fellowship for “Archaeological Landscapes of Highland and Steppe Zones in Naxçivan, Azerbaijan,” \$1500
- 2012 **American School of Prehistoric Research**, Research Grant, \$1500
- 2011-12 ***US National Science Foundation**, Doctoral Dissertation Improvement Grant for “Landscapes of Pastoral Nomads in Southeastern Turkey (Grant #BCS-1203140),” \$10,440
- 2011-12 ***Wenner-Gren Foundation for Anthropological Research**, Dissertation Fieldwork Grant for “Landscapes of Pastoral Nomads in Southeastern Turkey (Grant #8411),” \$9,030
- 2011 ***Purdue Rare Isotope Measurement (PRIME) Laboratory**, Free Seed Sample Grant for “Cosmogenic ³⁶Cl Dating of Limestone Cisterns in Southeastern Turkey,” \$3000
- 2011 **Harvard University Graduate Society**, Jeremy Knowles Dissertation Completion Fellowship, \$29,112

- 2011 **Cora Du Bois Charitable Trust**, Dissertation Writing Fellowship, \$4000
- 2011 ***Geological Society of America**, Graduate Student Research Grant for “Cosmogenic ³⁶Cl Dating of Limestone Cisterns in Southeastern Turkey,” \$2000
- 2011 ***Christian-Albrechts-Universität zu Kiel**, Student Conference Travel Award, €500
- 2010 ***National Geographic Society**, Committee for Research and Exploration Young Explorer’s Grant for “Nomadic Pastoralism in Southeastern Turkey (Grant #8731-09),” \$5000
- 2009 ***American Research Institute in Turkey**, US Department of State, Educational, and Cultural Affairs Fellowship for “Nomadic Pastoralism Along the Upper Tigris River, Southeast Turkey,” \$15,500
- 2009 **Harvard University Graduate Society**, Merit Fellowship, \$11,165
- 2009 ***US Department of Education**, Foreign Language and Area Studies Academic-Year Fellowship (Turkish), \$26,600 [declined]
- 2009 **Harvard University Department of Anthropology**, Teschmacher Fund Summer Award, \$2100
- 2008 **Harvard University Graduate Society**, Pre-dissertation Merit Fellowship, \$3000
- 2008 **Harvard University Department of Anthropology**, Summer Award, \$1800
- 2008 ***National Science Foundation Graduate Research Fellowship Program**, Honorable Mention
- 2007 ***American Schools of Oriental Research**, Platt Fellowship, \$1000
- 2006 **Bryn Mawr College**, European Traveling Fellowship (Top award for senior undergraduates), \$3000
- 2005 **Bryn Mawr College**, Hanna Holborn Gray Undergraduate Research Fellowship, \$3000
- 2005 **Bryn Mawr College**, Charles S. Hinchman Fellowship (Top award for junior undergraduates), \$1500
- 2002-6 ***U.S. National Merit Scholarship Program**, Novartis Corporation Scholarship, \$12,000

PARTICIPATION IN OTHER GRANTS

- 2021-24 ***US National Science Foundation**, “Infrastructure and Subsistence Strategies in the Context of Long-Term Land Use: Desert Kites in Context (Grant #BCS-2122443),” PIs: Austin Chad Hill; Yorke Rowan and Kathleen Morrison; *E. Hammer participation as Senior Scientist*, \$247,691
- 2023-26 ***US National Science Foundation**, “Geographies of Early Urbanism (Grant #BCS-2240579),” PIs: E. Troy Rasbury and Katheryn Twiss; *E. Hammer participation as Co-investigator*, \$185,194

TEACHING EXPERIENCE

University of Pennsylvania (Middle Eastern Languages and Cultures & Anthropology Departments)

Introduction to the Ancient Middle East (cross-listed in History, fall 2020, 2024)

Water in the Middle East Throughout History (cross-listed in Anthropology, fall 2017, 2018, 2019, 2020, 2024)

Who Owns the Past? Archaeology and Politics in the Middle East (cross-listed in Anthropology, fall 2019, spring 2024, 2025)

Pastoral Nomadism in the Past and Present (cross-listed in Anthropology, spring 2018)

GIS for the Digital Humanities and Social Sciences (cross-listed in Anthropology and AAMW, spring 2018, 2020, 2024, 2025)

Digital Exploration of the Past: Archives, Databases, Maps, Museums (cross-listed in AAMW, fall 2018)

Archaeological Fieldwork in Southern Iraq (cross-listed in AAMW, spring 2019)

University of Chicago (Near Eastern Languages and Civilizations Department)

Ancient Landscapes I and II (graduate courses, cross-listed in Anthropology and Geography Departments, fall and winter 2014-2015, 2016-2017)

Nomads, Networks, and Political Complexity in the Ancient Near East (graduate course, fall 2015. Co-taught with Richard Payne and awarded the Franke Institute for the Humanities' Center for Disciplinary Innovation Grant. Cross-listed in Anthropology, History, and Classics)

Water in the Middle East: Past and Present (undergraduate course, cross-listed in Anthropology, winter 2016)

Archaeological Approaches to Settlement and Landscape Survey (graduate course, cross-listed in Anthropology, fall 2016. Co-taught with Alice Yao)

Iraqi Institute for the Conservation of Antiquities and Heritage, Erbil (Visiting Lecturer)

Landscape archaeology and survey; module of the of the course "Archaeological Site Preservation" (December 2013)

New York University (Anthropology Department)

Water in the Middle East: Past and Present (undergraduate course, spring 2014)

Introduction to GIS and Spatial Analysis in Anthropology and Archaeology (graduate course, fall 2013)

Landscape Archaeology (undergraduate course, spring 2013)

Harvard University (Teaching Fellow, Anthropology Department)

The Fundamentals of Archaeological Methods and Reasoning (fall 2010)

Human Modification of the Landscape (fall 2008)

Digging the Glyphs: Adventures in Decipherment (spring 2008, spring 2009)

Bryn Mawr College (Teaching Assistant, Mathematics Department)

Multivariable Calculus, Enriched Section (fall 2005)

Real Analysis I (fall 2004)

Calculus and Analytic Geometry I-II (fall 2003-spring 2004)

ARCHAEOLOGICAL FIELD PROJECTS

Nippur Archaeological Project, Al Qadisiyyah Governorate, Iraq

Survey: 2025 (planned)

Lagash (Al-Hiba) Archaeological Project, Dhi Qar Governorate, Iraq

Assistant Field Director and Survey Director: 2019

Archaeological Survey at Ur (Tell al-Muqayyar), Dhi Qar Governorate, Iraq

Survey Director: 2017-2019

Naxçıvan Archaeological Project, Şərur Province, Azerbaijan

Survey Director: 2012-present

Survey and Excavations at al-Hamriya, Sharjah, United Arab Emirates

Field Director of excavations and undergraduate field school: 2012

Survey team member: 2005

Excavations at Muweilah, Sharjah, United Arab Emirates

Assistant Field Director of excavations and undergraduate field school: 2008-2010

GIS specialist, excavator, and assistant for undergraduate field school: 2006-2008

Excavations at Tell Abraq, Sharjah, United Arab Emirates

Assistant Field Director of excavations and undergraduate field school: 2011-2012

Excavation team member: 2007

Jemez Valley, New Mexico

Survey team member, Pueblo sites: 2011

Kavuşan Höyük Archaeological Survey, Diyarbakır Province, Turkey

Survey team member: 2009

Ziyaret Tepe Archaeological Project, Diyarbakır Province, Turkey

Reanalysis of ceramic material from the 1988-89 Tigris-Euphrates Survey: 2008-2010

Tell Ta'yinat Archaeological Project, Hatay Province, Turkey

Excavation team member: 2008

Hirbemerdon Tepe Archaeological Project, Diyarbakır Province, Turkey

Survey team member: 2007-2009

University of California Berkeley Excavations at Tel Dor, Israel

Field school student: 2005

MUSEUM AND LABORATORY WORK

Faculty Curator, University of Pennsylvania Museum of Archaeology and Anthropology

“U-2 Spy Planes and Aerial Archaeology” (Summer 2022-Spring 2025)

Exhibit Contributor (Maps and Satellite/Aerial Imagery), The Oriental Institute Museum, The University of Chicago

“Ancient Nubia” (Spring 2016)

Orientation/Map area of main gallery (Fall 2015)

“Persepolis: Images of an Empire” (Fall 2015)

“A Threatened Heritage” (Spring 2015)

GIS Specialist

Bryn Mawr College Department of Archaeology, October 2011-January 2013

Produced maps and figures for *The archaeology of prehistoric Arabia*, a book by Peter Magee published by Cambridge University Press in 2014.

GIS Assistant

Chengdu Plain Archaeological Project, Harvard University, February-September 2011

Assisted with spatial analysis of survey data collected from the Chengdu Plain, China.

GIS Specialist

Bryn Mawr College Department of Archaeology, May-August 2006

Created a geospatial database for material excavated at Muweilah, United Arab Emirates.

Intern

University of Pennsylvania Museum of Archaeology & Anthropology, August 2004-May 2006

Located and catalogued objects from the excavations at Rayy, Iran. Prepared their records for inclusion in an online virtual gallery.

Intern

U.S. National Parks Service, Washington, D.C., May-August 2004

Catalogued archaeological objects for the Museums Department.

Volunteer

Textile Museum of Washington, D.C., June-July 2003

Re-rolled and re-located damaged textiles as part of a storage reorganization project.

Intern

Lathrop Smith Environmental Education Center, Rockville, MD, 1999-2002

Assisted with preparation of lessons and materials on nature, orienteering, and history.

INVITED LECTURES

- 2025 "Neighborhoods, Suburbs, and Urban Form at the Early Southern Mesopotamian Cities of Ur and Lagash." Keynote speech for the 7th annual Graduate Symposium in Ancient Near Eastern Studies (GSANES), Yale University, 4 April.
- 2024 "Early Cities and Water: Case Studies from the Lowlands and Highlands of the Middle East." Catalan Institute of Classical Archaeology, Tarragona, Spain. Invited workshop: Under The Sands: Ancient irrigation detection and analysis using advanced remote sensing methods, 28 May.
- 2024 "Spatial Ethnoarchaeology of Change in Mobile Pastoralist and Marsh-Dwelling Communities." Stanford Archaeology Center, Lunch Club Talk, 22 May.
- 2023 "Neighborhoods, Suburbs, and Urban Form at the Early Southern Mesopotamian Cities of Ur and Lagash." Bryn Mawr College, Classical and Near Eastern Archaeology Department, Lunch Talk, 30 October.
- 2022 "Economy and Mobility during the "Nomadic" Middle Bronze Age in the South Caucasus: New Data from Naxçıvan, Azerbaijan." Deutsche Forschungsgemeinschaft-funded invited virtual conference: Human Movement and Mobility in HighLandScape Environments, 29 April.

- 2022 “Spatial Ethnohistory through Time-Series Comparison of Historical Aerial and Satellite Imagery.” University of Pennsylvania, Center for Ancient Studies, Invited conference: The Future of Ethnoarchaeology, 8 April.
- 2021 “Landscape-Scale Analysis Using Least-Cost Paths.” American Research Institute of the South Caucasus (ARISC), Endangered Archaeology in the Middle East and North Africa (EAMENA), and National Agency for Cultural Heritage Preservation of Georgia. Invited workshop: GIS from the Ground Up: Introducing Geospatial Tools for Archaeological Research, 11 November.
- 2021 “Hilltop Fortresses, Settlements, and Cemeteries of the Middle Bronze and Early- Middle Iron Age in Naxçivan, Azerbaijan.” (with Vəli Baxşəliyev). Centre National de la Recherche Scientifique and Muséum National d’Histoire Naturelle, Paris. Invited conference: Crises, Collapse and Change in the Occupation Patterns of the Caucasus during the Holocene: Environmental and Human Factors, 5 November.
- 2021 Archaeological Institute of America 2020-2021 National Lecturer; gave the Matson Lecture to the AIA chapter in Boulder, Colorado, 3 November: “U2 Spy Plane Photos and Archaeology in the Middle East.”
- 2021 “Early Cities and Water in Southern Mesopotamia: Recent Ideas and Data from Ur and Lagash.” Cambridge University, MacDonal Institute for Archaeological Research, Invited virtual conference for the Two Rains project on “Hydrological and Settlement Landscapes,” UK, 8 June.
- 2021 “Early Urbanism and Digital Archaeology in the Highlands and Lowlands of Mesopotamia.” Freie Universität Berlin, Fachbereich Geschichts- und Kulturwissenschaften, 4 March.
- 2020 “Early Urbanism in the Highlands and Lowlands of Mesopotamia.” Christian-Albrechts-Universität zu Kiel, Institut für Ur- und Frühgeschichte, 18 May.
- 2019 Archaeological Institute of America 2019-2020 National Lecturer; gave the Matson Lectures to the AIA chapters in Huntsville, Alabama (24 October), and Washington, DC (February 12): “U2 Spy Plane Photos and Archaeology in the Middle East.”
- 2019 “The Land of One Thousand Cities: ‘Remote Survey’ in the Balkh Oasis, Afghanistan.” Deutsches Archäologisches Institut Berlin, Germany, 28 June.
- 2019 “The Future of Landscape Archaeology in Southern Mesopotamia.” University of Chicago, Invited Conference: Landscape Studies in the Near East: the Next 100 Years?, 11 May.
- 2019 “The City and Landscape of Ur: An Aerial, Satellite, and Ground Reassessment.” Durham University, Complex Societies Workshop, UK, 16 January.
- 2019 “Integrated Cultural Heritage and Landscape Archaeology Research in Afghanistan.” Durham University, Complex Societies Workshop, UK, 15 January.
- 2019 “The Role of Archaeology in ‘Grand Narratives’ of Human-Environment Interaction.” Cambridge University, MacDonal Institute for Archaeological Research, Invited forum on “How Jared Diamond Stole the Grand Narrative,” UK, 13 January.
- 2018 Invited participant and discussant, The National Socio-Environmental Synthesis Center (SESYNC), Workshop: If the Past Teaches, What Does the Future Learn?, 30 October -2 November.

- 2018 “Digital Approaches to Historical Landscapes of the Ancient Near East.” Christian-Albrechts-Universität zu Kiel, Human Development in Landscapes Graduate School, Germany, 7 May.
- 2018 “Digital Approaches to Historical Landscapes of the Ancient Near East.” The Johns Hopkins University, Department of Near Eastern Studies, 1 May.
- 2018 “The Development and Role of Irrigation in Ancient Southern Mesopotamia: Recent Ideas and Approaches.” Delft University of Technology, Workshop on the Emergence of Societal Complexity Through Human-Environment Relations, The Netherlands, 6 February.
- 2017 “Digital Approaches to Historical Landscapes of the Ancient Near East.” The University of Pennsylvania, Price Lab for Digital Humanities, 6 February.
- 2016 “Highland Fortress-polities and their Settlement Systems in the South Caucasus.” The Ohio State University, Department of Anthropology, 22 April.
- 2016 “Landscape Survey and Remote Sensing Methodologies for Archaeological and Cultural Heritage Research in the Middle East.” The Ohio State University, Department of Anthropology, 21 April.
- 2016 “Digital Technologies and Archaeology in the Modern Middle East.” Smithsonian Institution, Freer-Sackler Galleries, opening lecture for the “Herzfeld’s Pasargadae” exhibit, 13 February.
- 2015 “Digital Technologies and Archaeology in the Modern Middle East.” Smithsonian Institution, Freer-Sackler Galleries, “In the Dig House” Public Programs for the “Unearthing Arabia: The Archaeological Adventures of Wendell Philips” exhibit, 25 April.
- 2015 “Water Management by Transhumant Pastoralists in Southeastern Turkey.” SUNY Buffalo, Institute for European and Mediterranean Archaeology, 12 April.
- 2014 “Paleoenvironment, hydrology, and settlement in the Ancient Near East.” Lutheran School of Theology, 24 February.
- 2014 “Settlements, Fortifications, and Routes at the Eastern Edge of Urartu.” Columbia University, Ancient Near Eastern Seminar, 29 April.
- 2013 “Landscape Archaeology on the Highland Fringes of the Near East.” University of Chicago, Oriental Institute, 16 December.
- 2013 “Mapping Urbanism and Empire in the South Caucasus.” University of Pennsylvania, Interdisciplinary Graduate Group in Art and Archaeology of the Mediterranean World, 25 October.
- 2013 “Mapping Urbanism and Empire in the South Caucasus.” University of Connecticut, Department of Anthropology, 10 October.
- 2013 “Güney Kafkasya’daki kaleler ve onların yerleşmeleri.” Azərbaycan Milli Elmlər Akademiyası Naxçıvan Bölməsi. [“Fortress settlements in the South Caucasus”, lecture in Turkish at the Azerbaijani National Academy of Sciences]. Naxçıvan City, Azerbaijan, 31 July.
- 2013 “Mapping Empire in Naxçıvan, Azerbaijan.” New York University, Department of Anthropology, 25 April.
- 2012 “Archaeological Landscapes of Highland and Steppe Zones in Northwestern Naxçıvan.” US-Azerbaijan Education Center, Baku, Azerbaijan, 3 August.

- 2012 “Pastoral Nomadism and Modification of ‘Peripheral’ Landscapes in the Middle East.” Brown University, the Joukowsky Institute for Archaeology and the Ancient World, 29 February.
- 2012 “Regional and Local Landscapes of Transhumant Pastoralists in Southeastern Turkey.” New York University, the Institute for the Study of the Ancient World, 8 February.
- 2012 “Water, Pasture, and Pastoral Nomads in Southeastern Turkey.” University of Illinois Urbana-Champaign, Department of Anthropology, 2 February.

CONFERENCE PAPERS

- 2025 “Imperial networks and local resistance at the edge of a highland empire in the Middle East/South Caucasus (Iron Age Urartu).” Society for American Archaeology Annual Meeting, Denver, Colorado, 23-27 April. [accepted]
- 2024 “Contextualizing the Black Desert: Building a New Database from Old Imagery.” Hill, A.C., E. Hammer, K. Morrison, J. Brown, and Y. Rowan. American Society of Overseas Research Annual Meeting, Boston, Massachusetts, 22 November.
- 2024 “Marshlands and Early Mesopotamian Urban Form.” Society for American Archaeology Annual Meeting, New Orleans, Louisiana, 18 April.
- 2023 “Suburbs and Sprawl at the Early Mesopotamian City of Ur.” Hammer, E. and A. Di Michele. American Society of Overseas Research Annual Meeting, Chicago, Illinois, 18 November.
- 2023 “Neighborhoods, Suburbs, and Urban Form at the Early Southern Mesopotamian Cities of Ur and Lagash.” International Congress on the Archaeology of the Ancient Near East, Copenhagen, Denmark, 23 May.
- 2021 “The Urban Landscape of Early Dynastic Lagash (Tell al-Hiba).” American Society of Overseas Research Annual Meeting, Chicago, Illinois, 20 November.
- 2021 “Reassessment of Early Mesopotamian Cities: New Surveys at Ur and Lagash.” International Congress on the Archaeology of the Ancient Near East, Bologna, Italy (held virtually), 7 April.
- 2020 “Reconstruction and Analysis of the Early Dynastic Urban Plan at Lagash (Tell al-Hiba).” American Society of Overseas Research Annual Meeting, Boston, Massachusetts (held virtually), 20 November.
- 2019 “Surveying Early Mesopotamian Cities: New Results from Ur and Lagash.” American Schools of Oriental Research Annual Meeting, San Diego, California, 22 November.
- 2018 “Spatial Ethnohistory of the Iraqi Marshes Drawn from Declassified Imagery.” American Schools of Oriental Research Annual Meeting, Denver, Colorado, 16 November.
- 2018 “Water and Pasture Infrastructure of Mobile Pastoralists in Southeastern Turkey.” Society for American Archaeology Annual Meeting, Washington, DC, 14 April.
- 2018 “The City and Landscape of Ur: An Aerial, Satellite, and Ground Reassessment.” International Congress on the Archaeology of the Ancient Near East 11, München, Germany, 6 April.
- 2018 “Data Aggregation and Mapping for Global Assessments of Past Land Use.” LandCover6K/LandUse6K Workshop, Barcelona, Spain, 25-26 January.

- 2017 "Recent Geophysics Survey at Iron Age Sites in Naxçivan, Azerbaijan." Hammer, E. and J. Herrmann. South Caucasus Archaeology Colloquium, Columbia University, 8 December.
- 2017 "The City and Landscape of Ur: An Aerial, Satellite, and Ground Reassessment." American Schools of Oriental Research Annual Meeting, Boston, Massachusetts, 16 November.
- 2017 "Mound Volume as a Proxy for Settlement Intensity in Southern Bactria." Lauricella, A. and E. Hammer. American Schools of Oriental Research Annual Meeting, Boston, Massachusetts, 17 November.
- 2017 "Sites, landscapes, and survey intensity in the South Caucasus: the evolution of landscape archaeology approaches in Armenia, Azerbaijan, and Georgia." Hammer, E. and D. Lawrence. Society for American Archaeology Annual Meeting, Vancouver, British Columbia, 30 March.
- 2016 "Pre-Islamic Fortresses of the Balkhab River Valley (Northern Afghanistan)." Hammer, E. and A. Lauricella. American Schools of Oriental Research Annual Meeting, San Antonio, Texas, 19 November.
- 2016 "Spatial and Temporal Analysis of Looting Patterns in Afghanistan using Satellite Imagery." Lauricella, A., K. Franklin, and E. Hammer. American Schools of Oriental Research Annual Meeting, San Antonio, Texas, 25 November.
- 2016 "The City and Landscape of Ur: An Aerial and Satellite Reassessment." Hammer, E. and J. Ur. Rencontre Assyriologique Internationale 62, Philadelphia, Pennsylvania, 13 July.
- 2016 "Methodologies Carrying Landscape Archaeology Forward in the South Caucasus." South Caucasus GIS Workshop, Institute for the Study of the Ancient World, New York University, 6 May.
- 2016 "Settlements, Fortifications, and Regional Routes at the Eastern Fringes of Urartu." International Congress on the Archaeology of the Ancient Near East 10, Vienna, Austria, 27 April.
- 2016 "The Role of Irrigation in the Iron Age Kingdom of Urartu." Irrigation and Early States: New Directions Conference, The University of Chicago, 3 March.
- 2015 "University of Chicago-led Landscape Archaeology and Cultural Heritage Projects in Afghanistan." American Schools of Oriental Research Cultural Heritage Symposium, Atlanta, Georgia, 22 November.
- 2015 "Mineralogical Hinterlands and Networks of Bronze and Iron Age sites in Northeastern Afghanistan." American Schools of Oriental Research Annual Meeting, Atlanta, Georgia, 21 November.
- 2015 "Looting in Afghanistan: Remote Assessments using Multispectral Imagery and Principal Component Analysis." Lauricella, A., E. Hammer, J. Cannon, and S. Branting. American Schools of Oriental Research Annual Meeting, Atlanta, Georgia, 20 November.
- 2015 "Preliminary Comments on Data Aggregation and Mapping for Global Assessments of Past Land Use." LandCover6K/LandUse6K Workshop, Paris, France, 22 October.
- 2015 "Archaeological Landscapes of Iran from Satellite and Aerial Imagery." Young Archaeologists' Conference, Tehran, Iran. 13 October.
- 2015 "Mobile Pastoralists and Lowland-Highland Interconnectivity in Southeastern Turkey." Society for American Archaeology Annual Meeting, San Francisco, California, 16 April.

- 2014 "Regional Routes on the Eastern Edge of the Urartian Empire." American Schools of Oriental Research Annual Meeting, San Diego, California, 22 November.
- 2014 "Oğlanqala, Qızqala, ve onların yerleşmesi." Azərbaycan Milli Elmlər Akademiyası Naxçıvan Bölməsi. ["Recent Results of a survey of Oğlanqala, Qızqala, and their Settlement," lecture in Turkish at the Azerbaijani National Academy of Sciences Conference]. Ağbulaq, Naxçıvan, Azerbaijan, 4 July.
- 2014 "Highland Fortress-Polities and their Settlement Systems in the South Caucasus." International Congress on the Archaeology of the Ancient Near East 9, Basel, Switzerland, 12 June.
- 2014 "Territorial Control and Routes at the Eastern Edges of the Kingdom of Urartu." Borders in the Archaeology of Pre-Classical Anatolia and the South Caucasus Workshop. New York University, the Institute for the Study of the Ancient World, 10 April.
- 2014 "An Exploration of the Organization of Local Pastoral Landscapes using NDVI and Cost Rasters." Digital Domains: Remote Sensing of Past Human Landscapes Workshop. Dartmouth College, 20-22 March.
- 2013 "Mapping Urbanism and Empire in the South Caucasus: The Naxçıvan Archaeological Project." American Schools of Oriental Research Annual Meeting, Baltimore, Maryland, 23 November.
- 2013 Güney Kafkasya'daki kaleler ve onların yerleşmeleri." Azərbaycan Milli Elmlər Akademiyası. ["Fortress settlements in the South Caucasus", paper in English and Turkish at the Azerbaijani National Academy of Sciences' 20th anniversary conference "Archaeology and Ethnography of Azerbaijan in the Period of Independence"]. Baku, Azerbaijan, 12 November.
- 2013 Discussant, "Sasanian Landscapes." "The Archaeology of Sasanian Politics Workshop." New York University, the Institute for the Study of the Ancient World, 26 April.
- 2013 "Spatial Boundaries Between Pre-modern Nomads and Farmers in Southeastern Turkey." Society for American Archaeology Annual Meeting, Honolulu, Hawaii, 6 April.
- 2012 "The Role of Limestone Cisterns in Orienting Pastoral Nomadic Camping Patterns in Southeastern Turkey." American Schools of Oriental Research Annual Meeting, Chicago, Illinois, 15 November.
- 2012 "Oğlanqala civarında yeni bir yüzey araştırmasının ilk sonuçları." Naxçıvan: ilkin şəhər və Duzdağ Beynəlxalq simpoziumu, Azərbaycan Milli Elmlər Akademiyası Naxçıvan Bölməsi, ["Preliminary Results from a New Survey around Oğlanqala", paper delivered in Turkish at the international symposium on Naxçıvan: first settlement and Salt Mountain, Azerbaijan National Academy of Sciences, Naxçıvan Section], Naxçıvan City, Azerbaijan, 28 July.
- 2012 "Historical Ecology, Landscape Capital, and Senses of Place." Stack, A. and E. Hammer. Society for American Archaeology Annual Meeting, Memphis, Tennessee, 19 April.
- 2011 "Regional and Local Landscapes of Transhumant Pastoralists in Southeastern Turkey from the Ottoman Period to the Twentieth Century." Contemporary and Historical Archaeology in Theory Conference on "People and Things in Motion," Boston University, 12 November.
- 2011 "Sustainable Water Management by Transhumant Pastoralists in Ancient Mesopotamia." Interdisciplinary Workshop on Water Sustainability in the Middle East, Harvard University Center for Middle Eastern Studies, 30 April.

- 2011 "Iron Age Fortification Systems at a Trade Nexus in Coastal Southeast Arabia." Hammer, E., P. Magee, and M. Händel. Society for American Archaeology Annual Meeting, Sacramento, California, 31 March.
- 2011 "Regional and Local Landscapes of Vertically Transhumant Pastoralists in Southeastern Turkey." Socio-environmental dynamics over the last 12,000 years: the creation of landscapes II, Christian-Albrechts-Universität zu Kiel, Germany, 16 March.
- 2010 "Ethnography and Archaeology of Nomadic Pastoral Winter Camping Patterns Along the Tigris River, SE Turkey." American Schools of Oriental Research Annual Meeting, Atlanta, Georgia, 19 November.
- 2009 "Nomadic Pastoralist Landscapes along the Upper Tigris." Hammer, E. and J. Ur. Society for American Archaeology Annual Meeting, Atlanta, Georgia, 23 April.
- 2009 "Excavations at Muweilah, Sharjah, UAE." Magee, P., M. Händel, and E. Hammer. International Conference on the Archaeology of the Emirates, Abu Dhabi, UAE, March.
- 2007 "Spatiality in the Palace of Sennacherib at Nineveh." American Schools of Oriental Research Annual Meeting, San Diego, California, 14 November.

CAMPUS TALKS

- 2023 "Spatial Ethnoarchaeology of Change in Mobile Pastoralist and Marsh-Dwelling Communities." Anthropology Department Colloquium, University of Pennsylvania, 16 October.
- 2022 "Neighborhoods, Suburbs, and Urban Form at the Early Mesopotamian Cities of Ur and Lagash." Art and Archaeology of the Mediterranean World Colloquium, University of Pennsylvania, 23 September.
- 2017 "Data Visualization Challenges in Remote Satellite Imagery-Based Cultural Heritage Projects and the Cultural Heritage Crisis in Afghanistan." Price Lab for the Digital Humanities Seminar, University of Pennsylvania, 23 October.
- 2016 "Imperial Networks and Local Resistance at the Edge of a Highland Empire: fortifications and regional routes at the eastern fringes of Iron Age Urartu." Interdisciplinary Archaeology Workshop, The University of Chicago, 12 May.
- 2016 "Aerial and Satellite Imagery in Archaeology." The Oriental Institute Museum, The University of Chicago, 5 May.
- 2015 "Satellite Imagery for Archaeological Heritage Preservation." The University of Chicago, 4 June.
- 2015 "New Research Directions in the Center for Ancient Middle Eastern Landscapes." The University of Chicago, 25 April.
- 2014 "The Archaeology of Water in the Middle East." New York University, the Institute for the Study of the Ancient World, 28 January.
- 2013 "Mapping Empire in Naxçıvan, Azerbaijan." New York University, the Institute for the Study of the Ancient World, 26 February.

- 2008 “Rural and Non-sedentary Occupation Along the Upper Tigris: The 2007 Hirbemerdon Tepe Archaeological Survey.” Department of Anthropology Lunch Talk Series, Harvard University, March.
- 2007 “Spatiality in the Neo-Assyrian Palaces of Assurnasirpal II, Sargon II, and Sennacherib.” Near Eastern History and Historiography Seminar Series, Harvard University, October.

CONFERENCE AND WORKSHOP SESSIONS CHAIRED/ORGANIZED

- 2015-22 “Landscapes of Settlement in the Ancient Near East.” American Society of Overseas Research Annual Meeting, November. (co-organized and chaired with Jesse Casana). Around 10-12 participants per year.
- 2012 Symposium on “Historical Ecology, Landscape Capital, and Senses of Place.” Society for American Archaeology Annual Meeting, 19 April. (co-organized and chaired with Adam Stack). 14 participants.
- 2011 “Interdisciplinary Workshop on Water Sustainability in the Middle East.” Harvard University Center for Middle Eastern Studies, 29 April 29-1 May. (organizational assistant to Steven Caton). 25 participants.

FOREIGN LANGUAGES

French (intermediate reading, speaking, writing)
Turkish (intermediate reading, speaking, writing)
German (basic reading)
Spanish (basic speaking)

STUDENTS

Current students:

Eric Hubbard (Orals and Prospectus Committee member, Penn, Anthropology)
Paul Verhelst (PhD Committee member, Penn, MELC)

Doctoral Dissertations Advised/Examined:

2023: Friedericke Jürcke (University of Cambridge, Archaeology, viva committee)
2018-2019: Eli Dollarhide (New York University, Anthropology, external examiner)

Master’s Theses Advised:

2022: Jacek Wankowski (University of Sydney, Archaeology, external reader for MA Thesis)
2018-2019: Samantha Lindgren Suppes (MA Committee member, Penn, AAMW)
2016-2017: Gwendolyn Kristy (University of Chicago, CMES)
2015-2016: Akiva Sanders (University of Chicago, NELC, second reader)
Austin Terry (University of Chicago, CMES, second reader)

2014-2015: Émilie Sarrazin (University of Chicago, NELC, second reader)

Danielle Brown (University of Chicago, MAPSS, second reader)

2013-2014: Kate McCormick (New York University, Anthropology, second reader)

Undergraduate Theses Advised:

2016-2017: Emily Boak (University of Chicago, Anthropology)

2013-2014: Danielle Brown (New York University, Anthropology, second reader)

UNIVERSITY SERVICE AT PENN

School of Arts and Sciences Committee on Undergraduate Education (SAS CUE), 2024-2027

NELC Department Rebranding Committee, 2022-2023

NELC Department Diversity, Equity, and Inclusion Committee, 2021-2022

Pre-Major Advisor, 2018-2020, 2020-2022, 2022-2024, 2024-2026

Executive Committee Member, Price Lab for the Digital Humanities, 2017-present

Faculty Advisory Committee Member, Wolf Humanities Center, 2019-2021

Fulbright Faculty Committee, fall 2018, fall 2019, fall 2020

Search committee member, CAAM Digital Archaeology, spring 2019

Co-organizer of the Mellon Digital Humanities Fellows Seminar, Price Lab, fall 2018

Fellowships Committee, Wolf Humanities Center, 2018-2019

Middle East Center FLAS Reviewer, spring 2018

NELC Department Website Redesign Committee, 2018-2019

PAST UNIVERSITY SERVICE

Helen Rich Committee Member (Student Fieldwork Funding Committee), The Oriental Institute,
University of Chicago, 2015-2017

Anthropology Department Representative, Harvard Graduate Student Council, September 2007-June
2009

Graduate Student Representative to the Faculty, Harvard University Anthropology Department,
September 2007-June 2008, December 2010, November-December 2011

Treasurer, Harvard Near East Society, January 2007-June 2009

Freshman Advisor, Bryn Mawr College Office of Residential Life, April 2003-May 2004

PROFESSIONAL SERVICE

American Society of Overseas Research, Board of Trustees [elected], 2025-2028

American Society of Overseas Research, Fellowships Committee, 2021-present

American Society of Overseas Research, Cultural Heritage Committee, 2020-2023

American Society of Overseas Research, Committee to Rename ASOR, 2020

American Research Institute in Turkey, Fellowships Committee, 2019-2020, 2024-2025

Editorial Board, *Near Eastern Archaeology* 2016-2019

American Society of Overseas Research, Committee on Archaeological Practice 2017-2020; 2020-2023; 2023-2026

American Research Institute of the South Caucasus, University of Chicago Representative 2015-2017

Peer Reviewer: *Current Anthropology* (1), *Journal of Anthropological Archaeology* (3), *Journal of Archaeological Research* (1), *Journal of Arid Environments* (1); *Journal of Field Archaeology* (2); *Advances in Archaeological Practice* (1); *Journal of Near Eastern Studies* (2); *Near Eastern Archaeology* (2); *Journal of Archaeological Science Reports* (1); Cambridge University Press (1); Oxford University Press (1)

Grant Application Reviewer: US National Science Foundation (3); National Geographic Society (2); Czech National Science Foundation (1); Israeli National Science Foundation (1)

PROFESSIONAL MEMBERSHIPS

Society for American Archaeology Member (SAA) 2007-present

American Society of Overseas Research Member (ASOR) 2006-present

British Institute of Archaeology at Ankara (BIAA) Member 2009-2012

SELECTED MEDIA COVERAGE OF RESEARCH

Weiss, Daniel. 2023. "On the Origin of Cities: Lagash, Iraq." *Archaeology Magazine*. January/February issue. [**Selected and highlighted as one of the top ten discoveries of 2022 by this publication**]. <https://www.archaeology.org/issues/495-features/top10/11034-iraq-lagash-urban-development>

Collier, Birtan. 2022. "Aerial Archaeology." 16 November. Interview on I Hear America Talking, radio show on WRDV-FM (National Public Radio, Delaware Valley, Philadelphia Suburbs).

Bower, Bruce. 2022. "Drone photos reveal an early Mesopotamian city made of marsh islands." *Science News*. 13 October. <https://www.sciencenews.org/article/mesopotamia-city-marsh-islands-drone-lagash-iraq>

U-2 Spy Planes and Aerial Archaeology, exhibit that I curated, was listed in Philadelphia Magazine's 57 Things to Do in Philadelphia (in September 2022)

NBC 10 Philadelphia. 2022. Interview with Aunyea Lachelle for Philly Live, on curation of the Penn Museum exhibit "U-2 Spy Planes and Aerial Archaeology." 9 September. <https://www.nbcphiladelphia.com/entertainment/philly-live/a-unique-view-at-new-u-2-spy-planes-aerial-archaeology-exhibit/3358356/>

- Crimmins, Peter. 2022. "CIA photos from U-2 spy planes of the 1950s have new life in archeology at Penn Museum." WHYY (National Public Radio, Philadelphia). 6 September. <https://whyy.org/articles/cia-photos-u-2-spy-planes-1950s-archeology-penn-museum/>
- Salisbury, Stephan. 2022. "Cold War spy planes photographed a lot more than Soviet military sites, including ancient buried ruins." *The Philadelphia Inquirer*. 20 August. <https://www.inquirer.com/arts/u2-spy-images-penn-museum-archaeology-exhibition-20220820.html>
- Quaglia, Sofia. 2021. "Archaeologists Are Making a Push to Improve Climate Modeling." *Gizmodo*. 11 May. <https://earth.gizmodo.com/archeologists-are-making-a-push-to-improve-climate-mode-1846870181>
- Berger, Michele. 2021. "To improve climate models, an international team turns to archaeological data." *Penn Today*. 14 April. <https://penntoday.upenn.edu/news/improve-climate-models-international-team-turns-archaeological-data>
- Nature* Research Highlights. 2019. "A spy plane's declassified snapshots reveal an ancient city's size." 14 November. <https://www.nature.com/articles/d41586-019-03516-1>
- Cooke, Kieran. 2019. "Cold War and ancient cities: How US spy planes revealed the secret history of the Middle East." *Middle East Eye*. 28 May. <https://www.middleeasteye.net/discover/cold-war-middle-east-archaeology-u2-spy-plane>
- Canadian Broadcasting Corporation Radio. 2019. *Spark* Podcast. "Cold War spy plane images illustrate human development—and destruction." 12 May. <https://www.cbc.ca/radio/spark/spark-438-1.5122430/cold-war-spy-plane-images-illustrate-human-development-and-destruction-1.5122434>
- Chow, Denise. 2019. "Declassified U-2 spy plane photos are helping archaeologists uncover ancient sites." *NBC News*. 17 April. <https://www.nbcnews.com/mach/science/declassified-u-2-spy-plane-photos-are-helping-archaeologists-uncover-ncna995381>
- El-Showk, Sedeer. 2019. "Middle East archaeology: Spying on the past." *Nature Middle East*. 15 April. <https://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2019.55>
- Müller-Hansen, Sören. 2019. Mesopotamische Stadt Ur war viel größer als gedacht. *Süddeutsche Zeitung*. 19 November. <https://www.sueddeutsche.de/wissen/archaeologie-ur-stadt-mesopotamien-1.4684430>
- Ouellette, Jennifer. 2019. Declassified photos from U2 planes are helping archaeologists unlock the past. *Ars Technica*. 11 April. <https://arstechnica.com/science/2019/04/declassified-photos-from-u2-planes-are-helping-archaeologists-unlock-the-past/>
- Daley, Jason. 2019. "U-2 Spy Plane Images Reveal Ancient Archaeological Sites in the Middle East." *Smithsonian Magazine*. 10 April. <https://www.smithsonianmag.com/smart-news/u-2-spy-plane-images-reveal-ancient-archaeological-sites-middle-east-180971934/>
- Dvorsky, George. 2019. "Declassified U2 Spy Plane Photos Expose Hidden Archaeological Sites." *Gizmodo*. 9 April. <https://gizmodo.com/declassified-u2-spy-plane-photos-expose-hidden-archaeol-1833917444>
- Price, Michael. 2019. "Declassified U-2 spy plane photos are a boon for aerial archaeology." *Science*. 5 April. <https://www.sciencemag.org/news/2019/04/declassified-u-2-spy-plane-photos-are-boon-aerial-archaeology>

Aftergood, Steven. 2019. "Declassified U2 Photos Open a New Window into the Past." *Federation of American Scientists*. 3 April. <https://fas.org/blogs/secrecy/2019/04/declass-u2-photos/>

Berger, Michele. 2019. "Declassified images from U2 spy planes reveal bygone Middle Eastern archaeological features." *Penn Today*. 27 March. <https://penntoday.upenn.edu/news/declassified-images-u2-spy-planes-reveal-bygone-middle-eastern-archaeological-features>

Lawler, Andrew. 2017. "Were nomads the world's first traders?" *Science* 358 (6370): 1518-1519.

Lawler, Andrew. 2017. "Satellites trace Afghanistan's lost empires." *Science* 358 (6369): 1364-1365.