

Gregory Zaro

Associate Dean for Faculty Affairs and Administration, College of Liberal Arts and Sciences
Associate Professor of Anthropology and Climate Change
University of Maine
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EDUCATION AND PROFESSIONAL EXPERIENCE

Current Appointments

2021-present Associate Dean for Faculty Affairs and Administration, College of Liberal Arts and Sciences, University of Maine
2012-present Associate Professor, Anthropology | Climate Change Institute, University of Maine

Previous Appointments

2013-2021 Chair, Department of Anthropology, University of Maine (*w/ sabbatical 2018-2019*)
2020-2021 Interim Chair, Department of Modern Languages and Classics, University of Maine
2018 Visiting Professor, Winter term, University Studies Abroad Consortium, Alicante, Spain
2006-2012 Assistant Professor, Anthropology | Climate Change Institute, University of Maine
2005-2006 Adjunct Instructor, Anthropology, University of New Mexico

Education

2005 Ph.D., Anthropology, University of New Mexico, Albuquerque, NM
1998 M.A., Anthropology, University of Chicago, Chicago, IL
1994 B.A., Spanish, The University of Texas at Austin, TX

Research and Teaching Interests

Archaeological Method and Theory, Complex Societies, Urbanism, Human/Environment Relationship, Historical Ecology, Agricultural Landscapes, Intensification, Indigenous/Colonial Encounters, Andes, Mesoamerica, Eastern Adriatic

RESEARCH & SCHOLARSHIP

Publications (*refereed)

Houk, B.A., G. Zaro, and M.D. Willis (2020). Tikin Ha and ancient Maya city planning in the Eastern Three Rivers Adaptive Region. *Research Reports in Belizean Archaeology* 17: 93-104.

*Zaro, G., K. Gusar, and M. Čelhar (2020). On the edge of empires: Exploring an Ottoman legacy on the Venetian frontier. *Journal of Field Archaeology* 45(3): 188-208.

Mirošević, L., G. Zaro, M. Katić, and D. Birt (eds.) (2018). *Landscape in Southeastern Europe*. Lit Verlag GmbH & Co. KG Wien, Zurich.

Zaro, G. and M. Čelhar (2018). Landscape as legacy in northern Dalmatia. In *Landscape in Southeastern Europe*, by L. Mirošević, G. Zaro, M. Katić, and D. Birt (eds.), pp. 49-67. Lit Verlag GmbH & Co. KG Wien, Zurich.

- Zaro, G.** (2018). Concluding thoughts: (Cultural) Landscapes of Southeastern Europe. In *Landscape in Southeastern Europe*, by L. Mirošević, G. Zaro, M. Katić, and D. Birt (eds.), pp. 165-170. Lit Verlag GmbH & Co. KG Wien, Zurich.
- Borzić, I., M. Čelhar, G. **Zaro**, and V. Glavaš (2018). New finds of Crikvenica 1-type amphorae in the area of southern Liburnia. In *Pottery Production, Landscape, and Economy of Roman Dalmatia*, edited by G.L.Vrkljan and A. Konestra, pp. 50-56. Archaeopress Publishing, Oxford, UK.
- Houk, B.A. and G. **Zaro** (2015). Lithic production and domestic economy in an ancient Maya neighborhood at Chan Chich, Belize. *Research Reports in Belizean Archaeology* 12:127-134.
- Herndon, K.E., G. **Zaro**, B.A. Houk, D. Sandrock, A. Booher, E. Vasquez (2015). Investigating urban form and kingship: Preliminary Results of the 2014 Chan Chich Archaeological Project. *Research Reports in Belizean Archaeology* 12:339-346.
- ***Zaro, G.** (2014). From terraces to trees: Ancient and historical landscape changes in southern Peru. In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*, edited by N. Thomas Håkansson and Mats Widgren, pp. 232-250. Left Coast Press, Walnut Creek, CA.
- ***Zaro, G.**, K. Nystrom, and D. Keefer (2013). Environmental catastrophe and the archaeological record: Complexities of volcanism, floods, and farming in south coastal Peru, A.D. 1200-1700. *Andean Past* 11:233-262.
- Sullivan, L.A., B.A. Houk, G. **Zaro**, and L. R. Moats (2013). Deciphering a Terminal Classic surface artifact deposit at Courtyard 100, La Milpa: The view from the ceramic data. *Research Reports in Belizean Archaeology* 10:211-218.
- ***Zaro, G.** and B.A. Houk (2012). The growth and decline of the ancient Maya city of La Milpa, Belize: New data and new perspectives from the southern plazas. *Ancient Mesoamerica* 23:143-159.
- *Houk, B.A. and G. **Zaro** (2011). Evidence for ritual engineering in the Late/Terminal Classic site plan of La Milpa, Belize. *Latin American Antiquity* 22:178-198.
- ***Zaro, G.**, K.C. Nystrom, A. Umire-Alvarez, A. Bar, and A. Miranda (2010). Tierras Olvidadas: Chiribaya landscape engineering and marginality in southern Peru. *Latin American Antiquity* 21(4):355-374.
- Houk, B.A. and G. **Zaro** (2010). Architectural history and ritual planning at La Milpa: a reconsideration. *Research Reports in Belizean Archaeology* 7:95-102.
- ***Zaro, G.**, H. Builth, C. Rivera, J. Roldan, and G. Suvires (2008). Landscape evolution and human agency: archaeological case studies from drylands in western South America and Australia. *Chungará, Revista de Antropología Chilena* 40, Número Especial, 261-271.
- ***Zaro, G.** (2007). Diversity specialists: Coastal resource management and historical contingency in the Osmore desert of southern Peru. *Latin American Antiquity* 18(2):161-179.
- ***Zaro, G.** and A. Umire-Alvarez (2005). Late Chiribaya agriculture and risk management along the arid Andean coast of southern Peru, AD 1200-1400. *Geoarchaeology: An International Journal* 20(7):717-737.

***Zaro**, G. and J.C. Lohse (2005). Agricultural rhythms and rituals: Ancient Maya solar observation in hinterland Blue Creek, northwestern Belize. *Latin American Antiquity* 16(1):81-98.

Other Publications / Technical Reports / Theses

Houk, B. A., G. **Zaro**, M. D. Willis, J. Kleine, B. Smith, B. Degnan, and R. Guerra (2019). Initial report on Tikin Ha and its implications for ancient Maya political organization in the Three Rivers Adaptive Region. In *The 2019 Seasons of the Belize Estates Archaeological Survey Team*, edited by Brett A. Houk, pp. 93–142. Papers of the Chan Chich Archaeological Project, Number 14. Department of Sociology, Anthropology, and Social Work, Texas Tech University, Lubbock.

Houk, B. A., M. Willis, and G. **Zaro** (2019). The 2016 Gallon Jug drone survey revisited. In *The 2018 Season of the Chan Chich Archaeological Project*, edited by B. A. Houk, pp. 103–116. Papers of the Chan Chich Archaeological Project, Number 13. Department of Sociology, Anthropology, and Social Work, Texas Tech University, Lubbock.

Houk, B.H., M.D. Willis, and G. **Zaro** (2017). Two newly recorded sites in northwestern Belize: Sak Mut and Xma Ha Ak'al. In *The 2017 Season of the Chan Chich Archaeological Project*, edited by B.A. Houk and C. Novotny, pp. 191-202. Papers of the Chan Chich Archaeological Project, Number 12. Texas Tech University, Lubbock, TX.

Zaro, G. (2017). Urbanization and landscape change at the Nadin-Gradina archaeological site, Croatia. Grant report submitted to the National Geographic Society.

Zaro, G. (2017). Archaeological investigation of an Ottoman fortress at Nadin-Gradina, Croatia. Grant report submitted to the Rust Family Foundation.

Houk, B.A. and G. **Zaro** (2015). The Chan Chich Archaeological Project field manual (First Edition). *Papers of the Chan Chich Archaeological Project, Number 9*. Texas Tech University, Lubbock, TX.

Herndon, K.E., G. **Zaro**, B.A. Houk, S. Mitchell, and E. Gallis (2014). The 2014 excavations of the Chan Chich Dynastic Architecture Project. In *Papers of the Chan Chich Archaeological Project, Number 8*, edited by B.A. Houk, pp. 31-68. Texas Tech University, Lubbock, TX.

Houk, B.A. and G. **Zaro** (2014). An introduction to the 2014 season of the Chan Chich Archaeological Project and the Belize Estates Archaeological Survey Team. In *Papers of the Chan Chich Archaeological Project, Number 8*, edited by B.A. Houk, pp. 1-19. Texas Tech University, Lubbock, TX.

Moats, L.R., W. Beckwith, and G. **Zaro** (2012). The 2011 Excavations at Courtyard 100. In *The 2011 Season of the La Milpa Core Project*, edited by Brett A. Houk, pp. 39-76. Occasional Papers, Number 13. Mesoamerican Archaeological Research Laboratory, The University of Texas at Austin.

Houk, B.A. and G. **Zaro** (2012). The 2011 La Milpa Core Project Season Summary. In *The 2011 Season of the La Milpa Core Project*, edited by Brett A. Houk, pp. 1-14. Occasional Papers, Number 13. Mesoamerican Archaeological Research Laboratory, The University of Texas at Austin.

Houk, B.A. and G. **Zaro** (2011). *The La Milpa Core Project Field Manual*. Occasional Papers in Archaeology 5. Texas Tech University, Lubbock.

Zaro, G., B.A. Houk, S.M. Smith, C. Plumlee, and C. Joseph (2011). The 2010 Excavations at Structure 26, La Milpa. In *The 2010 Season of the La Milpa Core Project*, edited by Brett A. Houk, pp. 1-15. Occasional Papers in Archaeology 4, Texas Tech University, Lubbock.

Zaro, G. and D.I. Dávila (2010). *Informe Técnico del Proyecto Arqueológico Pampa Dispensilla 2010: Exploraciones e investigaciones arqueológicas en el sitio "Cola de Zorro," Departamento de Arequipa, Perú.* Informe final de la temporada de febrero a abril 2010. Technical report submitted to the Instituto Nacional de Cultura, Lima, Peru.

Zaro, G. (2010). The 2009 Season of Excavations at Structure 24. In *The 2007–2009 Seasons of the La Milpa Core Project*, edited by Brett A. Houk, pp. 97–108. Occasional Papers in Archaeology, Number 3. Department of Sociology, Anthropology, and Social Work, Texas Tech University, Lubbock.

Zaro, G. (2010). The 2008 Excavations at Structure 22. In *The 2007–2009 Seasons of the La Milpa Core Project*, edited by Brett A. Houk, pp. 57–66. Occasional Papers in Archaeology, Number 3. Department of Sociology, Anthropology, and Social Work, Texas Tech University, Lubbock.

Houk, B.A., D. Trein, and G. **Zaro** (2010). Overview of the 2008 Season of the La Milpa Core Project. In *The 2007–2009 Seasons of the La Milpa Core Project*, edited by Brett A. Houk, pp. 41–55. Occasional Papers in Archaeology, Number 3. Department of Sociology, Anthropology, and Social Work, Texas Tech University, Lubbock.

Houk, B.A., G. **Zaro**, A. Padilla, D. Trein, and S. Smith (2009). Report of Archaeological Investigations at Plaza B, La Milpa: The 2008 Season of the La Milpa Core Project. In *Programme for Belize Archaeological Project: Summary Report of the 2008 Investigations*, edited by Fred Valdez, Jr., pp. 31-52. Report submitted to the Institute of Archaeology, National Institute of Culture and History, Belmopan, Belize. Mesoamerican Archaeological Research Laboratory, The University of Texas at Austin.

Zaro, G. and A. Umire-Alvarez (2007). *Proyecto Arqueológico Tambo-Ilo 2006: Exploraciones e investigaciones arqueológicas en la costa entre los ríos Tambo e Ilo, Departamentos de Arequipa y Moquegua, Perú.* Technical Report submitted to the Instituto Nacional de Cultura, Lima, Peru.

Zaro, G. (2005). *Human ecology and ancient agrarian land use at Wawakiki Spring, south coast Peru, A.D. 1000-2000.* Ph.D. Dissertation, Department of Anthropology, University of New Mexico.

Zaro, G.(2004). *Exploraciones e investigaciones arqueológicas en el sitio de Wawakiki, Cuenca de Osmore, Perú, 2003.* Informe final de la temporada de febrero a agosto 2003. Technical Report submitted to the Instituto Nacional de Cultura, Lima, Perú.

Zaro, G. (1998). *Approaches to intensification: Agrarian expansion and contraction in the lower Moche Valley, Peru.* M.A. Thesis, Department of Anthropology, University of Chicago.

Houk, B.A., F. Valdez, Jr., J.C. Lohse, P. Hughbanks, and G. **Zaro** (1996). The Chan Chich mapping project. In *The 1996 Season of the Chan Chich Archaeological Project*. Edited by B.A. Houk and H.R. Robichaux, pp. 35-38. Papers of the Chan Chich Archaeological Project, Number 1. San Antonio: Center for Maya Studies.

Book Reviews

Zaro, G. (2016). *Light and Shadow: Isolation and Interaction in the Shala Valley of Northern Albania*, by M.L. Galaty, O. Lafe, W.E. Lee, and Z. Tafilica (eds). UCLA Cotsen Institute of Archaeology Press, 274 pp. *American Journal of Archaeology* 120(3): DOI: 10.3764/ajaonline1203.Zaro

Zaro, G. (2013). *Frontier Life in Ancient Peru: The Archaeology of Cerro la Cruz*, by M.A. Vogel. Gainesville, University of Florida Press, 224 pp. *Journal of Anthropological Research* 69:157-158.

Zaro, G. (2008). *The Model-Based Archaeology of Socionatural Systems*, by T.A. Kohler and S.E. van der Leeuw (eds). Santa Fe, SAR Press, 290 pp. *Journal of Anthropological Research* 64:608-609.

Posters and Exhibits

Čelhar, M., G. **Zaro**, I. Borzić, and K. Gusar (2019). *Nadin – Ponovno Otkriveni Grad (Rediscovering the City)*. Poster exhibit for the Museum of Benkovac and Nadin Township, Croatia.

Zaro, G. (2017). *UMaine Field School in Zadar, Croatia: The Archaeological Study of Ancient Cities*. Photo exhibit for the Minsky Culture Lab in the Hudson Museum, Collins Center for the Arts. University of Maine, February – April, 2017.

Čelhar, M., G. **Zaro**, and D. Vujević (2015). *Nadin-Gradina: Razvoj Grada*. Poster presented at *Antiquitatis Sollemnia Antidoron Mate Suić*, Zagreb-Zadar, Croatia, November 3-7, 2015.

Invited Lectures

Zadar Festival of Science Earth Day Lecture, “Environmental Change and Human Agency: Archaeological contributions to understanding past, present, and future landscapes.” University of Zadar, Croatia, April 22, 2013.

Center for Interdisciplinary Marine and Maritime Research (CIMMAR) Lecture Series, “The archaeology of environmental change: Current challenges and opportunities in the interdisciplinary study of humans and the environment.” University of Zadar, Croatia, February 22, 2013.

Community and Urban Studies Lecture, “Ancient Andean urbanism in a global context.” Texas Tech University, Lubbock, TX, March 22, 2012.

Archaeological Institute of America (AIA) Lecture Series, “Ancient Civilizations, Archaeology, and Environmental Change in South America.” Texas Tech University, Lubbock, TX, September 17, 2009.

Papers Presented at Professional Meetings

Zaro, G., M. Čelhar, Igor Borzić, and D. Vujević (2021). *Town planning through the ages: Millennial-scale continuity and discontinuity at the Nadin-Gradina archaeological site in northern Dalmatia, Croatia*. Paper presented at the Joint Annual Meeting (Virtual) of the Archaeological Institute of America and Society for Classical Studies, January 5-10.

Countryman, J., G. **Zaro**, and M. Čelhar (2021). *Arboreal imperialism in the ancient Eastern Adriatic, ca. 600 BCE-600 CE: New paleoethnobotanical investigations at Nadin-Gradina, Croatia*. Paper presented at the Joint Annual Meeting (Virtual) of the Archaeological Institute of America and Society for Classical Studies, January 5-10.

Zaro, G., M. Čelhar, I. Borzić, and D. Vujević (2020 – *canceled due to COVID-19*). *Town planning through the ages: Millennial-scale continuity and discontinuity at the Nadin-Gradina archaeological*

site in northern Dalmatia, Croatia. Paper scheduled to be presented at the 85th Annual Meeting of the Society for American Archaeology, Austin, TX, April 22-26.

Čelhar, M., M. Ilkić, and G. **Zaro** (2020 – *canceled due to COVID-19*). Times of change: North Dalmatia in the Late Iron Age. Paper to be presented in a session titled ‘Dalmatia in the Late Republican Period: New Finds and Approaches’ at the Roman Archaeology Conference, Split, Croatia, April 16-18.

Houk, B.A., G. **Zaro**, and M.D. Willis (2019). All that we thought we knew: Tikin Ha and City Planning in the Three Rivers Region. Paper presented at the 17th Annual Meeting of the Belize Archaeology Symposium, San Ignacio, Belize, June 26-28.

Zaro, G., M. Čelhar, and I. Borzić (2019). Late Antiquity revealed: Assessing urban change at Roman Nedinum in Northern Dalmatia, Croatia. Paper presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM, April 10-14.

Gusar, K., M. Čelhar, and G. **Zaro** (2018). Nadin-Gradina: A case study of Islamic Archaeology in north Dalmatia (Croatia). Paper presented at the 24th annual Meeting of the European Association of Archaeologists, Barcelona, Spain, September 5-8.

Čelhar, M., I. Borzić, and G. **Zaro** (2018). Pottery as an indicator of trade dynamics and cultural contacts in the eastern Adriatic during the Iron Age and Roman periods: The case of Nadin-Gradina. Paper presented at the 19th International Congress of Classical Archaeology, Cologne/Bonn, May 22-26.

Borzić, I., M. Čelhar, and G. **Zaro** (2017). Nalaz crikveničke amfore Tip 1 iz Nadina (ant. Nedinum) [Identification of crikvenic amphora type 1 from Nadin]. Paper presented at the 4th International Archaeological Colloquium “Roman Ceramic and Glass Manufactures: Production and Trade in the Adriatic Region and Beyond.” Crikvenica, Croatia, November 8-9.

Zaro, G., M. Čelhar, K. Nystrom, D. Vujević, and K. Gusara (2017). From Liburnian to Ottoman: Unraveling settlement history at Nadin-Gradina, Croatia. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia, Canada, March 29-April 2.

Countryman, J., and G. **Zaro** (2017). Agrarian landscapes of coastal Croatia: A view from Nadin-Gradina. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia, Canada, March 29-April 2.

Trein, D., B. Houk, and G. **Zaro** (2017). Power, space, and place in the heart of La Milpa. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia, Canada, March 29-April 2.

Zaro, G., M. Čelhar, D. Vujević, and K. Nystrom (2016). Nadin-Gradina and the process of urbanization in the eastern Adriatic. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, FL, April 8.

Zaro, G., M. Čelhar, A. Čuka, J. Faričić, and D. Vujković (2015). Urbanization and landscape change along Croatia’s Adriatic coast: Articulating the ancient, historic, and modern worlds. Paper presented at the Association of American Geographers Annual Meeting, Chicago, IL, April 21-25, 2015.

- Zaro, G.** (2014). Urban transformation and landscape change surrounding the Nadin archaeological site in the Ravni Kotari region of the eastern Adriatic. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, TX, April 24, 2014.
- Houk, B.A., G. **Zaro**, B.J. Culleton, and D.J. Kennett (2013). All our yesterdays: Alternative histories of La Milpa, Belize. Paper presented at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, HI, April 6, 2013.
- Sullivan, L.A., B.A. Houk, and G. **Zaro** (2012). Deciphering a Terminal Classic Surface Artifact Deposit at Courtyard 100, La Milpa: The View from the Ceramic Data. Paper presented at the 10th Annual Meeting of the Belize Archaeology Symposium, San Ignacio, Belize.
- Moats, L., G. **Zaro**, and B.A. Houk (2012). The La Milpa Terminal Classic Project: 2011 investigations of Terminal Classic construction and surface deposits at Courtyard 100. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, TN, April 19-22, 2012.
- Houk, B.A. and G. **Zaro** (2012). Cities on the edge of history. Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis, TN, April 19-22, 2012.
- Zaro, G.** (2012). Agricultural landscapes past and present: Human signals of environmental change. Paper presented at the Association of American Geographers Annual Meeting, New York, NY, February 24, 2012.
- Moats, L., B.A. Houk, and G. **Zaro** (2011). Some initial thoughts on a problematic Terminal Classic Deposit from the Maya site of La Milpa, Belize. Paper presented at the 2nd Annual South-Central Conference on Mesoamerica. Trinity University, San Antonio, TX, November 5, 2011.
- Zaro, G.** (2011). Landesque capital and agro-ecological diversity in southern Peru. Invited presentation for *Historical Ecology of Landesque Capital: An International and Interdisciplinary Workshop*, organized by Thomas Håkansson and Mats Widgren. Uppsala, Sweden, September 21-23, 2011.
- Zaro, G.** (2011). Agro-ecological management of intervalley landscapes on Peru's arid south coast. Paper presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento, California. Paper presented as part of an invited symposium titled 'Approaches to Prehispanic Agricultural Soils in the New World', organized by Melissa Kruse-Peebles and Colleen Strawhacker, Arizona State University.
- Zaro, G.**, D.K. Keefer, and K.C. Nystrom (2010). Live long and prosper? Volcanism, floods, and farming in late prehispanic and early Spanish colonial Peru. Paper presented at the 29th Northeast Conference on Andean Archaeology and Ethnohistory. Drew University, Madison, NJ, October 23-24, 2010.
- Nystrom, K.C. and G. **Zaro** (2010). Late Chiribaya mortuary behavior and intervalley socioeconomics: A view from Quebrada Chuza. Paper presented at the 29th Northeast Conference on Andean Archaeology and Ethnohistory. Drew University, Madison, NJ, October 23-24, 2010.
- Houk, B.A. and G. **Zaro** (2010). Architectural change and stasis at an ancient Maya center: Evaluating construction history at La Milpa, Belize. Paper presented at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.

- Houk, B.A. and G. **Zaro** (2009). Architectural history and ritual planning at La Milpa: a reconsideration. Paper presented at the 7th Annual Meeting of the Belize Archaeology Symposium, Belize City, Belize, July 1-3, 2009.
- Houk, B.A., G. **Zaro**, and D. Trein (2009). Evidence for “ritual engineering” in the royal precinct plan of La Milpa, Belize. Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- Zaro**, G. and K.C. Nystrom (2008). Tierras olvidadas: Chiribaya landscape engineering and marginalization in southern Peru. Paper presented at the 27th Northeast Conference on Andean Archaeology and Ethnohistory. University of Maine, Orono, ME, October 11-12, 2008.
- Zaro**, G. (2008). Agriculture, landscape evolution, and desertification along the Peruvian south coast. Paper presented at the 3rd Southern Deserts Conference: Climate Change and the Peopling of the Southern Deserts. Molopo Lodge, Northern Cape, South Africa, September 16-19, 2008.
- Zaro**, G., C. Dayton, and A. Bar (2008). La agricultura y el manejo de recursos naturales en el Departamento de Moquegua, Perú. Paper presented at the conference titled “25 Años de Investigaciones Arqueológicas del Programa Contisuyo,” Moquegua, Peru, July 25-26, 2008.
- Zaro**, G. (2008). Integrating human and non-human processes to understand long-term socio-ecological change along the Peruvian south coast. Paper presented at the 73rd Annual meeting of the Society for American Archaeology, Vancouver, British Columbia. Paper presented as part of an invited symposium titled ‘Archaeological Contributions to Understanding Socio-Ecological Systems’, organized by Kate Spielmann, Arizona State University.
- Zaro**, G. (2007). Historical ecology, agriculture, and the necessity of multi-scalar thinking. Paper presented at the 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- Zaro**, G. (2006). Agricultural landscapes past and present: Long-term thinking along the Peruvian south coast. Paper presented at the 25th Northeast Conference on Andean Archaeology and Ethnohistory, Philadelphia, PA, October 21-22, 2006.
- Zaro**, G. (2006). Multi-scalar perspectives on the courses and consequences of agricultural land use along the arid Osmore coast of southern Peru. Paper presented at the 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- Zaro**, G. (2005). Desiccated lands: Agricultural technology and landscape evolution along the far south coast of Peru, A.D. 1000-2000. Paper presented at the 2nd Southern Deserts Conference, “Human-Environment Interactions in Southern Hemisphere Deserts: Past, Present, and Future,” Arica, Chile, October 10-14, 2005.
- Zaro**, G. (2005). Diversity specialists: Late Chiribaya production strategies at the coastal desert spring site of Wawakiki, southern Peru. Paper presented at the 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, Utah.
- Zaro**, G. (2004). Agricultural landscapes and micro-environmental adaptations at Wawakiki Spring, south coast, Peru, AD 1200-1375. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Quebec.

Zaro, G. and J.C. Lohse (2003). Agricultural rhythms and rituals: Evidence for ancient Maya solar observation in hinterland Blue Creek, northwestern Belize. Paper presented at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.

Conference Forums

Participant/Discussant – The Undiscussed Paperwork of Archaeology: Applications, Waivers, and Contracts. Forum at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM, April 10-14.

Research Grants and Fellowships (* signifies external award)

- 2017 Summer Faculty Research Award, University of Maine, Title: Ravni Kotari: Urbanization and Landscape Change in Northern Dalmatia. (\$8,000)
- 2016* Rust Family Foundation Archaeology Funding Program (RFF-2016-09). Title: Archaeological Investigation of an Ottoman Fortress at Nadin-Gradina, Croatia. (\$5,700)
- 2015* National Geographic Society Committee for Research and Exploration (9647-15). Title: Urban Transformation and Landscape Change at the Nadin Archaeological Site, Croatia. (\$24,660)
- 2013* Fulbright Scholar Program, Croatia (lecture/research): Landscape evolution and resource management along the Eastern Adriatic. University of Zadar, Croatia, February-July, 2013. (\$33,450)
- 2012 Scholarly Materials and Equipment Award, University of Maine. Title: iPad Digital Data Collection System. (\$2,250)
- 2011* National Geographic Society Committee for Research and Exploration. Title: La Milpa Terminal Classic Project. Co-PI with B. Houk of Texas Tech University. (\$16,906).
- 2011 Summer Faculty Research Award, University of Maine. Title: The Collapse of an Ancient Maya City in Northwestern Belize: La Milpa during the Terminal Classic Period, A.D. 800-950. (\$7,500)
- 2010 Regular Faculty Research Award, University of Maine. Title: Desert Resource Management and Punctuated Environmental Change in Late Prehispanic and Early Spanish Colonial Peru (\$10,878).
- 2008 Summer Faculty Research Award, University of Maine. Title: Agriculture and Desertification surrounding the Cola de Zorro Archaeological Site of Southern Peru (\$7,500).
- 2007 Regular Faculty Research Award, University of Maine. Title: Historical ecology, agriculture, and human-environment interaction along the arid Tambo-Ilo coast, Peru: Phase II (\$10,827).
- 2006* Heinz Grant Program for Latin American Archaeology. Title: Historical Ecology and Agriculture along the Arid Tambo-Ilo Coast of Southern Peru: Phase I. (\$7,835)
- 2003-2004 Latin American and Iberian Institute PhD Fellowship, University of New Mexico
- 2003* Geochron Laboratories ¹⁴C Age Determinations Research Award
- 2002-2003 Latin American and Iberian Institute PhD Fellowship, University of New Mexico
- 2002* National Science Foundation Dissertation Improvement Grant (BCS-0222040) (\$12,000).
- 2001* Sigma Xi Grants-in-Aid, Sigma Xi Scientific Research Society
- 2001 Latin American and Iberian Institute Research Grant, University of New Mexico

Travel Grants, Scholarships, Honors, and other Awards

- 2021 UMaine Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER). Mentoring award, Assoc/Prof/Admin category (\$2500)
- 2020 UMaine Technology Fund: Introducing Virtual Reality into the Classroom (\$540)
- 2018 Bangor Savings Bank / LoRusso Memorial Fund Faculty Development Award (\$1611)
- 2018 School for International Training Site Visit Waiver (\$500), Kenya/Uganda Programs
- 2012 Phi Kappa Phi National Honors Society, Chapter 1, University of Maine
- 2010 On-line Course Award, Continuing Education Division, University of Maine

- 2005 Student Research Allocations Committee Award, University of New Mexico
- 2005 Graduate RPT Award, Office of Graduate Studies, University of New Mexico
- 2004 Broilo-Basehart Memorial Endowment Scholarship, University of New Mexico
- 2001 Graduate RPT Award, Office of Graduate Studies, University of New Mexico
- 2001 Student Research Allocations Committee Award, University of New Mexico
- 1999 Student Research Allocations Committee Award, University of New Mexico
- 1997 Tinker Foundation Research Award, University of Chicago
- 1994 International Education Fee Scholarship (IEFS), University of Texas at Austin
- 1993-1994 Non-Resident Tuition/Fee Exemption Scholarship, University of Texas at Austin
- 1993 Dean's List, University of Texas at Austin
- 1993 Gamma Beta Phi National Honors Society, University of Texas at Austin

Field Research

- 2019 Nadin-Gradina Archaeological Project, Croatia (Project co-Director, with Dr. Martina Čelhar)
- 2019 Belize Estates Archaeological Survey Team (BEAST), Belize (Project member, with B. Houk)
- 2018 Nadin-Gradina Archaeological Project, Croatia (Project co-Director, with Dr. Martina Čelhar)
- 2017 Nadin-Gradina Archaeological Project, Croatia (Project co-Director, with Dr. Martina Čelhar)
- 2017 Belize Estates Archaeological Survey Team (BEAST), Belize (Project member, with B. Houk)
- 2016 Nadin-Gradina Archaeological Project, Croatia (Project co-Director, with Dr. Martina Čelhar)
- 2015 Nadin-Gradina Archaeological Project, Croatia (Project co-Director, with Dr. Martina Čelhar)
- 2014 Chan Chich Archaeological Project. Associate Project Director; Director: Dr. Brett Houk
- 2011 La Milpa Core Project, Belize. Associate Project Director; Director: Dr. Brett A. Houk.
- 2010 La Milpa Core Project, Belize. Associate Project Director; Director: Dr. Brett A. Houk.
- 2010 Proyecto "Pampa Dispensilla 2010", Peru—Excavations at Cola de Zorro (Project Director)
- 2009 La Milpa Core Project, Belize. Associate Project Director; Director: Dr. Brett A. Houk.
- 2008 Tambo-Ilo Archaeology and Soils Project, Peru (Project Director)
- 2008 La Milpa Core Project, Belize. Field Supervisor; Director: Dr. Brett A. Houk.
- 2007 Proyecto "Pampa Dispensilla" 2007, Perú (Project Director)
- 2006 Proyecto Tambo-Ilo 2006, Perú (Project Director)
- 2003 Proyecto Wawakiki 2003, Perú (Project Director)
- 2002 Maya Research Program, Belize. Field Supervisor; Director: Dr. Jon C. Lohse.
- 2001 Proyecto Wawakiki, Perú (Project Director)
- 2001 Maya Research Program, Belize. Field Supervisor; Directors: Drs. T. Guderjan and J. C. Lohse.
- 2000 Proyecto Wawakiki, Perú (Project Director)
- 1999 Proyecto Jequetepeque, Perú. Field Archaeologist; Directors: Drs. A. Kolata and T. Dillehay.
- 1997 Proyecto Jequetepeque, Perú. Field Archaeologist; Directors: Drs. A. Kolata and T. Dillehay.
- 1996 Ma'ax Na Arch. Project, Belize. Field Archaeologist; Directors: Drs. L. Shaw and E. King.
- 1996 Programme for Belize Arch. Project, Belize. Field Archaeologist; Director: Dr. F. Valdez, Jr.
- 1995 Chan Chich Archaeological Project, Belize. Field Archaeologist; Director: Dr. F. Valdez, Jr.
- 1995 Programme for Belize Arch. Project, Belize. Field Archaeologist; Director: Dr. F. Valdez, Jr.
- 1994 Programme for Belize Archaeological Project, Belize. Student; Director: Dr. F. Valdez, Jr.

TEACHING AND ADVISING

Courses Taught (University of Maine)

- ANT510, *Climate, Culture, and the Biosphere* (~20 students); Spring 15, 17, 21
- ANT477, *Field Research in Archaeology (Croatia)* (~10 students); Summer 15, 16, 18
- ANT476, *Ancient Maya* (~15 students); Spring 07, Fall 10, 16, 17, 19
- ANT421, *Inca Society and Peasants of the Andes* (~20 students); Spring 09, 12
- ANT420, *Human Impacts on Ancient Environments* (~18 students); Spring 08, 11

ANT350, Mediterranean: Ancient Landscapes, Modern World (~20 students); Spring 20
ANT140, *Cities of the Ancient World* (on-line) (~60 students); Spring 11, 12, Fall 12, 14, 16
ANT101, *Human Origins and Prehistory* (~500 students); Fall 06, 07, 08, 09, 10, 11, 12, 13, 14

Courses Taught (University of New Mexico)

Human Impacts on Ancient Environments (~10 students); Spring 06
Mesoamerican Prehistory (~24 students); Fall 02, 05, Spring 06
Strategies of Archaeology (~20 students); Fall 05
World Prehistory (~25 students); Fall 05
Introductory Spanish (~15 students); Fall 03, 05

Additional Instructional Experience

2017-2018 USAC Winter Term in Alicante, Spain: *Mediterranean: Ancient Landscapes, Modern World*
1999-2002 Writing Lab Leader/Tutor, Center for Academic Program Support, Univ. of New Mexico
1998-1999 Spanish and Anthropology Tutor, Athletics Department, University of New Mexico

Honors Thesis Advising (Honors College, University of Maine)

Committee Chair: Lilja Bernheim (2020); *Committee Member*: Kaylie Gazura (2018); Lizzie Proctor (2017); Redyn Keller (2012); Erin Snape (2012)

Graduate Thesis Advising (University of Maine)

Committee Chair/Advisor: Kirsten Kling (2018, non-thesis M.A. in Anthropology and Environmental Policy); Walter Beckwith (2013, M.S. in Quaternary and Climate Studies); Louis Fortin (2008, M.S. in Quaternary and Climate Studies); *Committee Member*: Ana Cecilia Mauricio (2012, M.S. in Quaternary and Climate Studies; 2015, I.Ph.D. in Geoarchaeology); Elizabeth Olson (2012, M.S. in Quaternary and Climate Studies)

Graduate Thesis Advising (Other Institutions)

Committee Member: Jamie Countryman (*current*, Ph.D. in Anthropology, University of Chicago); Lindsey Moats (2012, M.A. in Anthropology, Texas Tech University)

SERVICE & OTHER PROFESSIONAL EXPERIENCE

Administrative Positions

2013-pres Chair, Department of Anthropology, University of Maine (*w/ sabbatical 2018-2019*)
2020-2021 Interim Chair, Department of Modern Languages and Classics, University of Maine
2011-2012 Graduate Coordinator, PhD program in Anthropology and Environmental Policy, Department of Anthropology, University of Maine
2007-2012 Graduate Coordinator, MS program in Quaternary and Climate Studies, Climate Change Institute, University of Maine

Service to the Department

2019-pres Peer Committee, Climate Change Institute, University of Maine
2018-pres Policy Advisory Committee, Climate Change Institute, University of Maine
2014-2020 Borns Symposium Awards Committee, Climate Change Institute, University of Maine
2019 Acting Graduate Coordinator, PhD program in Anthropology and Environmental Policy, Department of Anthropology, University of Maine
2011-2017 Graduate Committee, PhD program in Anthropology and Environmental Policy, Department of Anthropology, University of Maine

- 2007-2017 Graduate Committee, MS program in Quaternary and Climate Studies, Climate Change Institute, University of Maine
2007-2013 Graduate Coordinator, MS program in Quaternary and Climate Studies, Climate Change Institute, University of Maine

Service to the University

- 2019-2020 Transition Core Working Group, Ecology and Environmental Sciences, University of Maine
2019 Department of Sociology Chair Search Committee, University of Maine
2019 College of Liberal Arts and Sciences Financial Officer Search Committee, U. Maine
2018 International Programs Study Abroad Advisor Search Committee, University of Maine
2017 International Programs Panel Discussant, Teaching Abroad, University of Maine, Nov. 16.
2017 Fulbright Panel Organizer and Discussant, University of Maine, Nov. 13.
2017 Department of Psychology Chair Search Committee, University of Maine
2017 NEASC Standard 2 (Planning and Evaluation) Self-Study Committee, University of Maine
2017 Dean Review Process participant, College of Liberal Arts and Sciences, University of Maine
2017 Department of Art and Art History Chair Search Committee, University of Maine
2016 Rising Tide Center Steering Committee for Department Chair/Director Professional Development Day
2015-2017 Past President and Executive Committee Member, Phi Kappa Phi National Honors Society, UMaine Chapter One
2015 Department of Sociology Chair Search Committee, University of Maine
2015 Department of Art and Art History Chair Search Committee, University of Maine
2014-2016 College of Liberal Arts and Sciences, Promotion and Tenure advisory committee
2013-2015 President, Phi Kappa Phi National Honors Society, UMaine Chapter One
2012 Academic Council, College of Liberal Arts and Sciences, University of Maine
2012 Graduate Executive Committee-NSFA rep., University of Maine Graduate School
2007-2012 Graduate Board Member, University of Maine Graduate School
2006-pres Hudson Museum Cooperating Curator

Service to the Profession

Fulbright Association

- 2016-2019 Treasurer, Maine Fulbright Association
2015-2019 Strategic Planning Committee, Maine Fulbright Association
2014-2019 Board member, Maine Fulbright Association
2014-2016 Council for International Exchange of Scholars Anthropology Peer Review Committee

External Reviews

- 2018 School for International Training (SIT) Site Visits, Kenya and Uganda programs
2015 External Reviewer for Anthropology Program, Adelphi University, NY

Organized Conferences

- 2015 Organizing Committee Member for the International and Interdisciplinary Conference "Movements, Narratives, and Landscapes," June 5-7, Zadar, Croatia.
2014 Invited Member of Steering Committee for the 4th Southern Deserts Conference "Quaternary Evolution of Desert Landscapes and Peoples," November 10-14, Mendoza, Argentina.
2008 (with D. Sandweiss) The 27th Meeting of the Northeast Conference on Andean Archaeology and Ethnohistory, October 11-12, University of Maine, Orono.

Organized Conference Symposia

- 2007 Historical Ecology and Agriculture: Multi-Scalar Perspectives on the Courses and Consequences of Agrarian Land Use. Symposium organized for the 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- 2005 (with M. Vogel) Cultural Adaptation and Sociopolitical Development on the Andean Coast. Symposium organized for the 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, Utah.

Conference Sessions Chaired

- 2020 New Discoveries in European Archaeology. General session at the 85th Annual Meeting of the Society for American Archaeology, Austin, Texas (*cancelled, COVID-19*)
- 2006 Agriculture and Subsistence in Western South America. General session at the 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- 2005 Holocene and Modern Spatial and Social Organization. General session at the 2nd Southern Deserts Conference, “Human-Environment Interactions in Southern Hemisphere Deserts: Past, Present, and Future,” Arica, Chile.

Grant Proposals and Manuscripts Reviewed

Proposals (79): Fulbright; National Science Foundation; National Geographic Society; *Journal Manuscripts* (19): Chungará – Revista de Antropología Chilena; Latin American Antiquity; Journal of Archaeological Science; Ancient Mesoamerica; Journal of World Prehistory; Climate of the Past; The Holocene; Journal of Anthropological Archaeology; PNAS; Geoarchaeology; *Book Manuscripts* (1): The University of Utah Press

Service to the Community

- 2018 Science Fair project leader, Colegio Iberoamericano, Merida, Mexico, October to December.
- 2017 International Week invited speaker, Vine Street Elementary, Bangor, ME, April 12.
- 2017 Maine Archaeology Day, K-12 (presenter), Hudson Museum, March 1.
- 2016 Ravni Kotari: Ancient Landscape, Modern World. Presentation to the Dirigo Pines Retirement Community. Orono, ME, August 18.
- 2016 Maine Archaeology Day, K-12 (presenter)
- 2013 The rise and collapse of an ancient Maya city in Belize, Central America. Public presentation at the University of Zadar, Croatia, April 3.
- 2012 The growth and decline of an ancient Maya city. Presentation to the Dirigo Pines Retirement Community. Orono, ME, March 20.
- 2009 Ancient Civilizations, Archaeology, and Environmental Change in South America. Paper presented at the Bangor Monthly Lecture Series “Climate Change on Planet Earth,” Bangor.
- 2008-2009 Organizer, Bangor Monthly Public Lecture Series “Climate Change on Planet Earth,” Bangor, Maine. The series drew from anthropologists, archaeologists, geologists, ecologists, and climate scientists to share the mechanisms of climate change and the manners in which human societies (past and present) impact and comprehend climate and environment.

Related Professional Experience

- 2012 Archaeological Tours, New York, NY; Tour scholar/lecturer, Peru.
- 1998 Soil Systems, Phoenix, Arizona. Field Archaeologist, March-August; President: C. Breternitz.
- 1997 Archaeological Research, Inc., Chicago, Illinois. Staff Archaeologist; President: D. Keene.
- 1996 Hicks and Company, Austin, Texas. Field Archaeologist, Johnson State Office Building Project; Principal Investigator: J.C. Lohse.
- 1995 Texas Archaeological Research Lab, Austin, Texas. Field Archaeologist/Lab Assistant, Witte Museum Mitigation, San Antonio, Texas. Principal Investigators: L. Shaw and F. Meskill.

Professional Memberships

Society for American Archaeology (SAA)
Archaeological Institute of America (AIA-200014741)
Maine Chapter of the Fulbright Association (Lifetime Member)
National Registry of Archaeologists, Peru (RNA N°: CZ-0164)
Institute of Andean Studies