

Daniel Alexander Contreras, Ph.D

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Positions

- 2023 - Associate Professor, Department of Anthropology, University of Florida
Affiliate Faculty, Center for Latin American Studies, University of Florida
Affiliate Faculty, School of Natural Resources and the Environment, University of Florida
- 2019 - 2023 Assistant Professor, Department of Anthropology, University of Florida
Affiliate Faculty, Center for Latin American Studies, University of Florida
- 2018 - 2019 Assistant Professor, Department of Anthropology, University of Maryland
- 2017 - 2018 Cultural Resources Principal Investigator, SWCA Environmental Consultants, Salt Lake City, UT
- 2017 - 2018 Adjunct Assistant Professor, Department of Anthropology, University of Utah
- 2017 Visiting Scientist, Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (IMBE), Aix-Marseille Université
- 2014 - 2016 OT-Med Postdoctoral Research Fellow, AMENOPHYS – Adaptation of Mediterranean Economies of the Past to Hydroclimatic Changes, Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (IMBE) / Groupement de recherche en économie quantitative d'Aix-Marseille (GREQAM), Aix-Marseille Université
- 2014 Visiting Researcher, Institute for Ecosystem Research, Christian-Albrechts-Universität zu Kiel
- 2011 - 2013 Humboldt Postdoctoral Fellow, Institute for Ecosystem Research, Christian-Albrechts-Universität zu Kiel
- 2009 - 2011 Postdoctoral Teaching Fellow, Introduction to the Humanities Program, Stanford University
- 2007 - 2009 Lecturer, Department of Anthropology, Stanford University
- 2008 - 2009 Research Associate, Cultural Heritage Resource, Stanford University
- <https://dcontre.github.io/academic/>

Education

- 2007 Ph.D, Anthropological Sciences, Stanford University
Dissertation title: *Sociopolitical and Geomorphologic Dynamics at Chavín de Huántar, Peru*
- 2004 M.S., Anthropological Sciences, Stanford University
- 1998 M.A., Latin American Studies, Stanford University
- 1996 B.A., Religion (*Magna cum laude*), Amherst College
Certificate, Five College Program in Latin American Studies

Professional Interests

THEORY AND METHODS

geoarchaeology; human-environment interactions; digital methods and archaeology; GIS; R; socioecological modeling; geomorphology; environmental archaeology; prehistoric ecology; obsidian; origins and development of social inequality; looting and cultural heritage; archaeological radiocarbon

REGIONS

Central Andes, Mediterranean

Publications (* indicates peer-reviewed)

Journal Articles

Submitted. **Contreras, Daniel A.**, Erick Acero Shapiama, Silvana A. Rosenfeld, Matthew P. Sayre, John Wolf, and John W. Rick. Chronologies of Interaction: Assessing the ^{14}C Evidence of the Chavín Phenomenon. Submitted Feb 2026 to *Senri Ethnological Studies*.

*Accepted. Vining, Benjamin R., **Daniel A. Contreras**, Augusto Bazán, Arianna Garvin Suero, Yuriko Garcia Ortiz, Maria Lopez Rojas. CHEAP Dates: contributions to radiometric chronologies in North Coastal Peru from the Chicama Valley Environmental Archaeology Project. submitted Jan 2026 to *Journal of Field Archaeology*.

2025. **Contreras, Daniel A.**, Erik J. Marsh, and Kurt Rademaker. Leveraging Radiocarbon in the Central Andes: From Chronologies to Research Agendas. Editorial Introduction to Special Issue of *Quaternary International*

*2025. Carter, Tristan, **Daniel A. Contreras**, Danica D. Mihailović, Theodora Moutsiou, Yorgan Pitt, Natasha Singh, Ciara Zogheib; Middle Paleolithic Behavioral Insights from the Stelida Chert Source, Naxos (Greece). *Journal of Eastern Mediterranean Archaeology and Heritage Studies*. 13 (1-2): 32–59.

*2025. Rick, John W., Verónica S. Lema, Javier Echeverría, Giuseppe Alva Valverde, **Daniel A. Contreras**, Oscar Arias Espinoza, Silvana A. Rosenfeld, Matthew P. Sayre. Prehispanic Ritual Use of Psychoactive Plants at Chavín de Huántar, Peru. *PNAS* 122(19)

*2025 McCool, Weston C, Kurt M Wilson, Elizabeth N Arkush, **Daniel A. Contreras**, and Brian F Coddig. "Climate stability and low population pressure predict peaceful interactions over 10,000 years of Central Andean history". *Science Advances* 11: eadt9007.

2025. Considering the Whole Environment in the Arctic Past: comment by **Daniel A. Contreras** *Current Anthropology* 2025 66(2): 232-256

* 2024. Taffin, Ninon, Lahaye, Christelle, **Contreras, Daniel A.**, Holcomb, Justin, Mihailović, Danica D., Karkanas, Panagiotis, Guérin, Guillaume, Athanasoulis, D., Carter, Tristan. Chronological and Taphonomic Insights from Single Grain IRSL Dating a Palaeolithic Sequence at Stelida, Naxos (Greece). Submitted to *Journal of Archaeological Science: Reports*, Nov 2023.

* 2024. **Contreras, Daniel A.** "Archaeological ^{14}C assemblages and the Chavín Phenomenon in the Central Andes" *Quaternary International* special issue "Archaeological Radiocarbon in the Central Andes".

*2024 Conlee, Christina, **Daniel A. Contreras**, Ann H. Peters, Kevin J. Vaughn. "Reconsidering chronologies and cultural change on the south coast of Peru: A compilation and analysis of radiocarbon dates from Nasca, Ica, and Paracas" *Quaternary International* special issue "Archaeological Radiocarbon in the Central Andes".

*2024. **Contreras, Daniel A.** and Brian F. Coddig. Landscape Taphonomy Predictably Complicates Demographic Reconstruction. *Journal of Archaeological Method and Theory* 31:1102-1128.

* 2023. **Contreras, Daniel A.** 'Seeking Synchronicity: Re-examining the Peruvian Early Horizon through Bayesian Modeling of ^{14}C Dates.' In Seki, Yuji, ed., 'New Perspectives on the Early Formation of the Andean Civilization: Chronology, Interaction, and Social Organization'. Osaka: National Museum of Ethnology. *Senri Ethnological Studies* 112:127-151.

* 2023. Herndon, Kelsey E., Robert Griffin, Whittaker Schroder, Timothy Murtha, Charles Golden, **Daniel A. Contreras**, Luwei Wang, Alexandra Bazarsky, and Omar Alcover Firpi. Google Earth Engine for Archaeologists: An Updated Look at the Progress and Promise of Remotely Sensed Big Data. *Journal of Archaeological Science*.

* 2023. Carter, Tristan, **Daniel A. Contreras**, Kathryn Campeau, and Cheryl A. Makarewicz. Cappadocian Obsidian Exchange Networks in the Pre-Pottery Neolithic A: A Southern Levantine perspective from el-Hemmeh (Jordan). *Journal of Archaeological Science: Reports* 48.

- * 2022 Sawchuk, Elizabeth A., Elisabeth A. Hildebrand, Austin Chad Hill, **Daniel A. Contreras**, Justus Erus Edung, Anneke Janzen, Abdikadir Kurewa, James Munene, Emmanuel Ndiema, Katherine M. Grillo. The Jarigole Mortuary Tradition Reconsidered. *Antiquity* 96(390):1460-1477.
- * 2022 Vining, Benjamin R, Aubrey Hillman, **Daniel A Contreras**, and Ernesto Tejedor. Expanded Agroecological Niches and Redistributed Risks in Northern Peru's Chicama Valley during Late-Holocene ENSO Climate Changes. *The Holocene* 32(12).
- * 2022 **Contreras, Daniel A.** Stages, Periods, and Radiocarbon: ^{14}C Dating in the Archaeology of the Central Andes. *Ñawpa Pacha: Journal of Andean Archaeology*.
- * 2022 Fitton, Tom, **Daniel A. Contreras**, Agness O. Gidna, Audax Z.P. Mabulla, Mary E. Prendergast, and Katherine M. Grillo. Detecting and mapping the 'ephemeral': magnetometric survey of a Pastoral Neolithic settlement at Luxmanda, Tanzania. *Antiquity*.
- * 2022 Wilson, Kurt M, Weston C McCool, Simon C Brewer, Nicole Zamora-Wilson, Percy J Schryver, Roxanne Lois F Lamson, Ashlyn M Huggard, Joan Brenner Coltrain, **Daniel A Contreras**, and Brian F Coddling. Climate and demography drive 7000 years of dietary change in the Central Andes. *Scientific Reports* 12(1):2026
- * 2022 Vining, Benjamin, Aubrey Hillman, and **Daniel A. Contreras**. El Niño Southern Oscillation and enhanced arid land vegetation productivity in NW South America. *Journal of Arid Environments* 198.
- * 2022 Silva, Fabio, Fiona Coward, Kimberley Davies, Sarah Elliott, Emma Jenkins, Adrian C. Newton, Philip Riris, Marc Vander Linden, Jennifer Bates, Elena Cantarello, **Daniel A. Contreras**, Stefani A. Crabtree, Enrico Crema, Mary Edwards, Tatiana Filatova, Ben Fitzhugh, Hannah Fluck, Jacob Freeman, Kees Klein Goldewijk, Marta Krzyzanska, Daniel Lawrence, Helen Mackay, Marco Madella, S. Yoshi Maezumi, Rob Marchant, Sophie Monsarrat, Kathleen D. Morrison, Ryan Rabett, Patrick Roberts, Mehdi Saqalli, Rick Stafford, Jens-Christian Svenning, Nicki J. Whitehouse, Alice Williams. Developing transdisciplinary approaches to sustainability challenges: the need to model socio-environmental systems in the *longue durée*. *Sustainability*.
- * 2022. Walder, Heather M., **Daniel A. Contreras**, Walker W. Good, Michael L. Wendt, Miranda J. Alexander, Tyler J. Olsen, Lindsay J. Lentz, M., Alexander D. Woods. Sites in the Sand: Sifting through a Palimpsest at Stillwell Crossing, Fort McCoy (Tomah, Wisconsin). *The Wisconsin Archeologist* 103(1&2):5-26.
- * 2021 **Contreras, Daniel A.**, Zachary Batist, Ciara Zogheib, and Tristan Carter. Matching Pragmatic Lithic Analysis and Proper Data Architecture: The QuARI R Shiny Database Interface. *Advances in Archaeological Practice*. 9(4), 299-311. doi:10.1017/aap.2021.11
- * 2021 Storozum, Michael J., Steven T. Goldstein, **Daniel A. Contreras**, Katherine M. Grillo, Mary E. Prendergast, Agness Gidna, Audax Mabulla. The influence of ancient herders on soil development at Luxmanda, Mbulu Plateau, Tanzania. *Catena* 204: 105376.
- 2021 Marsh, E.J., **D. Contreras**, M.C. Bruno, A. Vranich & A.P. Roddick. 2021. Comment on Arnold et al. 'Drought and the collapse of the Tiwanaku Civilization: New evidence from Lake Orurillo, Peru' [Quat. Sci. Rev. 251 (2021): 106693]. *Quaternary Science Reviews*, 107004.
- * 2021 Carter, Tristan, Kristine Mallinson, Vagia Mastrogiannopoulou, **Daniel A. Contreras**, Charlotte Diffey, Claudette Lopez, Marie N. Pareja, Georgia Tsartsidou, and Dimitris Athanasoulis. A New Minoan-Type Peak Sanctuary on Stelida, Naxos. *Journal of Greek Archaeology* 6:60-99
- * 2019 Carter, Tristan, **Daniel A. Contreras**, Justin Holcomb, Danica D. Mihailovic, Panagiotis Karkanis, Guillaume Guérin, Ninon Taffin, Dimitris Athanasoulis, and Christelle Lahaye. Earliest occupation of the Central Aegean (Naxos), Greece: Implications for hominin and Homo sapiens' behavior and dispersals. *Science Advances* 5(10):eaax0997.
- * 2019 Grillo, Katherine M. and **Daniel A. Contreras**. 'Public archaeology's mammoth in the room: engaging Wikipedia as a tool for teaching and outreach.' *Advances in Archaeological Practice* 7(4):435-442.

- * 2019 **Contreras, Daniel A.**, Alberte Bondeau, Joël Guiot, Alan Kirman, Eneko Hiriart, Loup Bernard, Romain Suarez, and Marianela Fader. 'From Paleoclimate Variables to Prehistoric Agriculture: Using a Process-Based Agroecosystem Model to Simulate the Impacts of Holocene Climate Change on Potential Agricultural Productivity in Provence, France.' In Kluiving, Sjoerd, ed. *Geoarchaeology Approaches and Methods: Special Issue of Quaternary International* 501B:303-316.
- * 2018 **Contreras, Daniel A.**, Eneko Hiriart, Alberte Bondeau, Alan Kirman, Joël Guiot, Loup Bernard, Romain Suarez, and Sander Van Der Leeuw. 'Regional Paleoclimates and Local Consequences: Integrating GIS Analysis of Diachronic Settlement Patterns and Process-Based Agroecosystem Modeling of Potential Agricultural Productivity in Provence (France).' *PLOS One* 13(12): e0207622.
- * 2018 **Contreras, Daniel A.**, Joël Guiot, Romain Suarez, and Alan Kirman. 'Reaching the Human Scale: A Spatial and Temporal Downscaling Approach to the Archaeological Implications of Paleoclimate Data.' *Journal of Archaeological Science* 93:54-67.
- * 2018 Grillo, Katherine M., Prendergast, Mary E., **Contreras, Daniel A.**, et al. 'Pastoral Neolithic Settlement at Luxmanda, Tanzania'. *Journal of Field Archaeology* 43(2):102-120.
- 2017 Marwick, Ben, Jade d'Alpoim Guedes, C. Michael Barton, Lynsey A. Bates, Michael Baxter, Andrew Bevan, Elizabeth A. Bollwerk, Tom Brughmans, Alison K. Carter, Cyler Conrad, **Daniel A. Contreras**, et al. 'Open Science in Archaeology'. *SAA Archaeological Record* 17(4):8-14.
- * 2017 Skarpelis, Nikolaos, Tristan Carter, **Daniel A. Contreras**, and Daniča D. Mihailović. 'Characterization of the siliceous rocks at Stélida, an early prehistoric lithic quarry (Northwest Naxos, Greece), by petrography and geochemistry: A first step towards chert sourcing.' *Journal of Archaeological Science: Reports* 12:819-833.
- * 2016 Carter, Tristan, **Daniel A. Contreras**, Kathryn Campeau, and Kyle Freund. 'Spherulites and Aspiring Elites: The Identification, Distribution, and Consumption of Giali Obsidian (Dodecanese, Greece).' *Journal of Mediterranean Archaeology* 29(1):3-36.
- * 2016 Ghilardi, Matthieu, Daniel Istria, Andrés Curras, Matteo Vacchi, **Daniel Contreras**, Claude Vella, Philippe Dussouillez, and Yannick Crest. 'Reconstructing the Landscape Evolution and the Human Occupation of the Lower Sagone River (Western Corsica, France) from Bronze Age to The Medieval Period.' *Journal of Archaeological Science: Reports* 12:741-754.
- * 2015 **Contreras, Daniel A.**, 'Landscape Setting as Medium of Communication at Chavín de Huántar, Peru.' *Cambridge Archaeological Journal* 25(2): 513-530.
- * 2015 Djamali, Morteza, Matthew D. Jones, Jérémy Migliore, Silvia Balatti, Marianela Fader, **Daniel Contreras**, Sébastien Gondet, Zahra Hosseini, Hamid Lahijani, Abdolmajid Naderi, Lyudmila S. Shumilovskikh, Margareta Tengberg, Lloyd Weeks. 'Olive Cultivation in the Heart of the Persian Achaemenid Empire: New Insights into Agricultural Practices and Environmental Changes Reflected in a Late Holocene Pollen Record from Lake Parishan, SW Iran.' *Vegetation History and Archaeobotany* 25(3):255-269.
- * 2014 **Contreras, Daniel A.** '(Re)constructing the Sacred: Landscape Geoarchaeology at Chavín de Huántar, Peru.' In Roos, Christopher and Christian Wells, eds. *Geoarchaeology of Ritual Behavior and Sacred Places: Special Issue of Archaeological and Anthropological Sciences* 9:1045-1057.
- * 2014 **Contreras, Daniel A.** and John Meadows. 'Summed Radiocarbon Calibrations as a Population Proxy: A Critical Evaluation Using a Realistic Simulation Approach.' *Journal of Archaeological Science* 52:591-608.
- * 2014 **Contreras, Daniel A.**, Vincent Robin, Regina Gonda, Rachel Hodara, Marta Dal Corso, and Cheryl Makarewicz. '(Before and) After the Flood: A Multiproxy Approach to Past Floodplain Usage in the Middle Wadi Al-Hasa, Jordan.' *Journal of Arid Environments* 110:30-43.
- 2014 Carter, Tristan, **Daniel A. Contreras**, Sean Doyle, Danica D. Mihailović, Theodora Moutsiou, and Nikolaos Skarpelis. 'The Stélida Naxos Archaeological Project: New Data on the Mesolithic and Middle Palaeolithic Cyclades.' *Antiquity* 88(341).

- 2012 **Contreras, Daniel A.**, Nicholas Tripcevich and Yuri I. Cavero Palomino. 'Investigaciones en la fuente de la obsidiana tipo Quispisisa, Huancasancos- Ayacucho.' *Investigaciones Sociales* 16(28):185-195.
- * 2012 Carter, Tristan and **Daniel A. Contreras**. 'The Character and Use of the Soros Hill Obsidian Source, Antiparos (Greece).' *Comptes rendus Palevol* 11:595-602.
- * 2011 **Contreras, Daniel A.** 'How Far to Conchucos? A GIS Approach to Assessing the Implications of Exotic Materials at Chavín de Huántar.' *World Archaeology* 43(3):380-397.
- * 2011 Tripcevich, Nicholas and **Daniel A. Contreras**. 'Quarrying Evidence at the Quispisisa Obsidian Source, Ayacucho, Peru.' *Latin American Antiquity* 22(1):121-136.
- 2011 Rick, John W., Christian Mesia, **Daniel A. Contreras**, Silvia R. Kembel, Rosa M. Rick, Matt Sayre, and John Wolf. 'La cronología de Chavín de Huántar y sus implicancias para el Periodo Formativo.' *Boletín de Arqueología PUCP* 13:87-132.
- * 2010 **Contreras, Daniel A.**, 'Huaqueros and Remote Sensing Imagery: Assessing Looting Damage in the Virú Valley, Peru.' *Antiquity* 84(324):544-555.
- * 2010 **Contreras, Daniel A.** and Neil Brodie 'The Utility of Publicly-Available Satellite Imagery for Investigating Looting of Archaeological Sites in Jordan.' *Journal of Field Archaeology* 35(1):101-114.
- * 2010 **Contreras, Daniel A.** 'A Mito-Style Structure at Chavín de Huántar: Dating and Implications.' *Latin American Antiquity* 21(1):1-19.
- * 2010 **Contreras, Daniel A.** 'Landscape and Environment: Insights from the Prehispanic Central Andes.' *Journal of Archaeological Research* 18(3):241-288.
- 2010 **Contreras, Daniel A.** and Neil Brodie. 'Shining Light on Looting: Using Google Earth to Quantify Damage and Raise Public Awareness.' *SA Archaeological Record* 10(3):30-33.
- * 2009 **Contreras, Daniel A.** 'Reconstructing Landscape at Chavín de Huántar, Perú: A GIS-based Approach.' *Journal of Archaeological Science* 36(4): 1006-1017.
- * 2009 **Contreras, Daniel A.** and David K. Keefer. 'Implications of the Fluvial History of the Wacheqsa River for Hydrologic Engineering and Water Use at Chavín de Huántar, Peru.' *Geoarchaeology* 24(5):589-618.

Books

- * 2017 **Contreras, Daniel A.**, ed. *The Archaeology of Human-Environment Interactions: Strategies for Investigating Anthropogenic Landscapes, Dynamic Environments, and Climate Change in the Human Past*. Routledge Studies in Archaeology.

Book Chapters

- * In press. **Contreras, Daniel A.** and Nicholas Tripcevich. 'Retrospect and Prospect for Obsidian Sourcing Studies in the Central Andes.' In *Sourcing Obsidian* F.-X. Le Bourdonnec, M. S. Shackley & M. Orange (Eds.). Springer.
- In press. **Contreras, Daniel A.** Los conjuntos de cerámicas de Chavín de Huántar y el radiocarbono: un síntesis de medio siglo de investigación. In Villanueva, Juan Pablo (ed.). *Chavín, 100 años de Arqueología. Desde Julio C. Tello hasta nuestros días. Avances y Perspectivas*.
- In press. Carter, Tristan, Georgia Tsartsidou, Kristine Mallinson, Vagia Mastrogiannopoulou, **Daniel A. Contreras**, D Mylona, Demetrios Athanasoulis. The impact of the Thera eruption on the Stelida peak sanctuary and later Bronze Age Naxos. In *Tephra. The Presence and Effects of Santorini Volcanic Ash in the Late Bronze Aegean*. Presses Universitaires de Louvain.
- In press. **Contreras, Daniel A.** and Kristin Nado. 'Interpreting Geochemically Characterized Obsidian from Chavín de Huántar, Peru.' In Peterson, David and John Dudgeon (eds.), *The Archaeology of Circulation, Exchange and Human Migration: Techniques, Cases, Evidence*. Equinox Publishing, Ltd.
- In press. **Contreras, Daniel A.** 'Using R as a GIS: working with raster and vector data.' In Marwick, Ben (ed.), *How To Do Archaeological Science Using R*, <https://benmarwick.github.io/How-To-Do-Archaeological-Science-Using-R/>.

Submitted. **Contreras, Daniel A.** and Lisbeth Rojas Pelayo. 'Hacia una historia espacial de las intervenciones arqueológicas en Chavín de Huántar'. In *Actas del Simposio Internacional: Chavín, 100 años de Arqueología*. Submitted June 2026.

2026 **Contreras, Daniel A.** 'The Chavín Phenomenon and Its Regional Manifestation.' In Aldenderfer, Mark, Marcela Sepúlveda, and Eduardo Neves (eds.), *The Oxford Handbook of South American Archaeology*. Oxford University Press.

2022 **Contreras, Daniel A.** 'Traditions émergentes: Chavín et Cupisnique.' In Faugère, Brigitte and Nicolas Goepfert, eds. *Atlas de l'Amérique précolombienne*. Paris: Éditions Autrement. pp56-57.

2022 Carter, Tristan, Jackson, Nat, Moir, Rose, Allen, P. Burningham, H., **Contreras, Daniel A.**, Schofield, Tim and Tipping, R., 'The Freston causewayed enclosure, Suffolk: Initial insights and hypothetical histories', in J. Last (ed.), *New Perspectives on Early Neolithic Enclosures*. Neolithic Studies Group 18. Oxbow Press, Oxford.

2020 **Contreras, Daniel A.** and John Meadows. 'Estudios paleodemográficos basados en conjuntos de dataciones radiométricas. Una revisión crítica.' In Juan A. Barceló and Berta Morell, eds. *Métodos Cronométricos en Historia y Arqueología*. Editorial Dextra. pp493-516.

2018 **Contreras, Daniel A.** 'Hacia una geoarqueología del paisaje andina: paisaje, medioambiente, y acción humana en Chavín de Huántar.' In Flores Blanco, Luis Ángel, ed. *Lugares, Monumentos, Ancestros. Arqueologías del Paisajes Andinos y Lejanos*, Avqi Ediciones. pp159-178.

2018 Bertoncello, Frédérique, Marie-Jeanne Ouriachi, Célia Da Costa Pereira, Andrea Tettamanzi, Louise Purdue, **Daniel Contreras**, et al. 'Modelling complex systems in Archaeology: general issues and first insights from the ModelAnSet project.' In Argentina, M. et al., eds. *Proceedings of the Complex Systems Academy of Excellence*. Université Côte d'Azur - Complex Systems Academy of Excellence, Nice. pp145-154.

* 2017 **Contreras, Daniel A.**, 'Not Just a Pyramid Scheme? Diversity in Ritual Architecture at Chavín de Huántar.' In Rosenfeld, Silvana and Stefanie Bautista, eds. *Rituals in Andean Archaeology: Prehispanic and Colonial Case Studies*. University Press of Colorado, pp51-77.

* 2017 **Contreras, Daniel A.** and Cheryl Makarewicz. 'Regional Climate, Local Paleoenvironment, and Early Cultivation at Pre-Pottery Neolithic A el-Hemmeh, Jordan.' In Contreras, D.A., ed. *The Archaeology of Human-Environment Interactions: Strategies for Investigating Anthropogenic Landscapes, Dynamic Environments, and Climate Change in the Human Past*. New York: Routledge, pp96-120.

* 2017 **Contreras, Daniel A.** 'Correlation is Not Enough – Building Better Arguments in the Archaeology of Human-Environment Interactions.' In Contreras, D.A., ed. *The Archaeology of Human-Environment Interactions: Strategies for Investigating Anthropogenic Landscapes, Dynamic Environments, and Climate Change in the Human Past*. New York: Routledge, pp3-22.

* 2017 Carter, T., **Contreras, D.A.**, Holcomb, J. Mihailović, D.D., Skarpelis, N., Campeau, K., Moutsiou, T., and Athanasoulis, D., 'The Stélida Naxos Archaeological Project: New Studies of an Early Prehistoric Lithic Quarry in the Cyclades', in D.W. Rupp and J. Tomlinson (eds.), *From Maple to Olive: Proceedings of a Colloquium to Celebrate the 40th Anniversary of the Canadian Institute in Greece, 10-11 June 2016*. Publications of the Canadian Institute in Greece, 10, Athens

2016 **Contreras, Daniel A.** 'La incorporación de la tradición Mito en el ámbito ritual de Chavín de Huántar.' In Ibarra, Bebel, ed. *Arqueología de la Sierra de Ancash 2: Cronología y Espacio*. Lima: Instituto de Estudios Huarinos, pp29-52.

2016 Carter, Tristan, **Daniel A. Contreras**, Sean Doyle, Daniça D. Mihailović, and Nikolaos Skarpelis. 'Early Holocene Interaction in the Aegean Islands: Mesolithic Chert Exploitation at Stélida (Naxos) in Context.' In Ghilardi, Matthieu, ed., *Géoarchéologie des îles de la Méditerranée*. CNRS Éditions, pp275-286.

2013 Tripcevich, Nicholas and **Daniel A. Contreras**. 'Archaeological Approaches to Obsidian Quarries: Investigations at the Quispisisa Source.' In Tripcevich, Nicholas and Kevin Vaughn (eds.),

Mining and Quarrying in the Ancient Andes: Sociopolitical, Economic and Symbolic Dimensions. New York: Springer, pp23-44.

2012 Brodie, Neil and **Daniel A. Contreras**. 'The Economics of the Looted Archaeological Site of Bâb Edh-Dhrâ': A View from Google Earth.' In Paula K. Lazrus and Alex W. Barker (eds.) *All The Kings Horses: Essays on the Impact of Looting and the Illicit Antiquities Trade on Our Knowledge of the Past*. Washington D.C.: Society for American Archaeology Press, pp9-24.

* 2010 **Contreras, Daniel A.** 'Reconstructing an Engineered Environment in the Central Andes: Landscape Geoarchaeology at Chavín de Huántar, Peru.' In *The Archaeology of Anthropogenic Environments*, edited by Rebecca M. Dean. Center for Archaeological Investigations, Occasional Paper No. 37. Carbondale: Southern Illinois University, pp225-249.

2008 **Contreras, Daniel A.** 'Geomorfología y Paisaje en Chavín de Huántar.' In *Museo Nacional Chavín*. Lima: Instituto Nacional de Cultura, pp51-59.

Book Reviews

2020 **Contreras, Daniel A.** 'Review of Lozny and McGovern, eds., *Global Perspectives on Long Term Community Resource Management*.' *Journal of Anthropological Research* 76(4):549-551.

2015 **Contreras, Daniel A.** 'Review of Håkansson and Widgren, eds., *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*.' *Journal of Anthropological Research* 71(2):286-287.

Grants and Fellowships

- 2025 In review. *Scaling the Central Andes: Exploring Long-Term Climate Vulnerability in a Diverse and Dynamic Environment* (PI with co-PIs Nick Gauthier, John Krigbaum, and Kurt Wilson), \$450,000, submitted Jan 2025 to the National Science Foundation Human-Environment and Geographical Sciences Program (HEGS)
- 2022 National Science Foundation Archaeology Program Doctoral Dissertation Improvement Grant (with co-PI Rocío López) *Doctoral Dissertation Improvement Award: Human Adaptation to a Variable Environment* (Award 2227230, \$28313)
- 2022 UF Humanities Scholarship Enhancement Fund research award, *Dates as Metadata: How Disciplinary History Shapes Central Andean Archaeology* (\$11791)
- 2019 National Science Foundation Archaeology Program Grant (PI with Brian Coddington, co-PI) *Collaborative Research: Improved Taphonomic Correction of Past Population Dynamics* (Award 1921013, \$79465)
- 2019 National Science Foundation Archaeology Program Grant (co-PI with Ben Vining [PI] and Aubrey Hillman [co-PI]) *Collaborative Research: Coupling and Cohesion as Factors Affecting Vulnerability to Abrupt Climate Change* (Award 1847131, \$26155)
- 2011 National Geographic Society Committee for Research and Exploration Grant #8916-11 (\$23,000, with Nicholas Tripcevich)
- 2011 Brennan Foundation Program in Support of Archaeological Field Research in the Development of Early Civilizations (\$5000)
- 2010 Council of American Overseas Research Centers Multi-Country Research Fellowship (\$10000)
- 2006 Lewis and Clark Field Scholar Grant, American Philosophical Society (\$1800)
- 2006 John Mason Clark 1877 Fellowship, Amherst College (\$7200)
- 2006 Explorers Club Exploration Fund Grant (\$1200)
- 2006 Stanford Humanities Center Mellon Foundation Dissertation Fellowship (\$19,500)
- 2006 Freeman Spogli Institute O'Bie Shultz Dissertation Write-Up Grant (\$2000)
- 2005 National Science Foundation Archaeology Program Doctoral Dissertation Improvement Grant # 0532350 (\$12,000)
- 2005 Amherst College Memorial Fellowship (\$4600)
- 2005 Graduate Research Opportunity Grant, Stanford School of Humanities and Sciences (\$5000)
- 2005 Lynford Family Foundation Grant (\$1000)
- 2003 Graduate Summer Field Research Grant, Stanford Center for Latin American Studies
- 2002 John Woodruff Simpson Fellowship, Amherst College (\$1600)

- 2002 Mellon Summer Fieldwork Grant (\$3000)
- 2002 Graduate Summer Field Research Grant, Stanford Center for Latin American Studies (\$4565)

Awards

- 2022 Dunlevie Honors Term Professor, Fall 2022
- 2007 Joseph H. Greenberg Award for Academic Excellence in Anthropological Sciences, Department of Anthropological Sciences, Stanford University
- 2002 Annual Reviews Prize, Department of Anthropological Sciences, Stanford University
- 1996 Inducted into *Phi Beta Kappa* Society, Amherst College Chapter.
- 1996 Moseley Prize in Religion (2nd place), Amherst College.

Archaeological Field Research

- 2019 - present Chicama Environmental Archaeology Project (co-PI with Benjamin Vining, U Arkansas and Aubrey Hillman, SUNY Albany)
- 2019 Project Geospatial Specialist and Geoarchaeologist – Later Prehistory of West Turkana Project, Jarigole, Kenya (P.I.s Elisabeth Hildebrand, Stony Brook University, Elizabeth Sawchuk, Stony Brook University, and Kate Grillo, U Florida)
- 2013 – 2019 Field Director, Stélida Naxos Archaeological Project, Naxos, Greece (P.I. Tristan Carter, McMaster University)
- 2010 – 2018 Project Geoarchaeologist, The el-Hemmeh Excavation Project, Wadi al-Hasa, Jordan (P.I. Cheryl Makarewicz, CAU Kiel)
- 2016 – 2018 Project Geoarchaeologist, Sharara Excavation Project, Wadi al-Hasa, Jordan (P.I.s Cheryl Makarewicz, CAU Kiel and Bill Finlayson, CBRL)
- 2015 – 2018 Project Geospatial Specialist and Geoarchaeologist – Northern Tanzania Archaeological Project, Luxmanda, Tanzania (P.I.s Kate Grillo, U Florida and Mary Prendergast, St. Louis University – Madrid)
- 2012 Project Geoarchaeologist, Stanford-Universidad del Valle Semetabaj Project, San Andres Semetabaj, Guatemala (P.I.s John Rick, Stanford University and Tomás Barrientos, Universidad del Valle)
- 2009 – 2012 Director, Proyecto Arqueológico Caracha Alta, Ayacucho, Peru (co-P.I. with Nicholas Tripcevich, U.C. Berkeley)
- 2010 – 13 Project Geoarchaeologist, McMaster Obsidian Procurement Expedition (P.I. Tristan Carter, McMaster University)
- 2010 Geoarchaeological Consultant, Remote Detection of Hydraulic Agricultural Features at Teotihuacan, Teotihuacan, Mexico (P.I. Ian Robertson, Stanford University)
- 2009 Geoarchaeological Consultant, Proyecto Arqueológico Stanford, Chavín de Huántar, Peru (P.I. John Rick, Stanford University)
- 2009 Ground-truthing satellite-identified Looting Damage in Jordan (co-P.I. with Neil Brodie, Stanford University)
- 2007 Field Consultant, Proyecto Arqueológico Queneto, Valle de Virú, Peru (P.I. Ignacio Cancino, Stanford University)
- 2002 – 2006 Field Director, Proyecto Arqueológico Stanford, Chavín de Huántar, Peru (P.I. John Rick, Stanford University)
- 2004-2005 Field Supervisor, Stanford-Universidad del Valle Semetabaj Project, San Andres Semetabaj, Guatemala (P.I. John Rick, Stanford University and Luisa Escobar Galo, Lic., Universidad del Valle)
- 2003 Field Supervisor, Stanford Field School, Çatalhöyük Archaeological Project, Çatalhöyük, Turkey (P.I. Ian Hodder, Stanford University)
- 1998, 2000 Field Assistant, Proyecto Arqueológico Stanford, Chavín de Huántar, Peru (P.I. John Rick, Stanford University)
- 1995 Student, Proyecto Arqueológico Valle de Naco, Cofradía, Honduras (P.I.s Ed Schortman and Pat Urban, Kenyon College)

Teaching and Mentoring

Courses

- 2019 - present *Digital Methods in Archaeology; Past Human Environments; R for Archaeological Data Analysis and Visualization; Foundations for a Career in Anthropology; Archaeological Perspectives on the Anthropocene; Environmental Archaeology; Geoarchaeology; GIS for Archaeological Research; Global Prehistory: Postglacial Environments and the Origins of Food Production; 1491: The World Columbus Found and How We Know It*, Anthropology, University of Florida
- 2018 - 2019 *Introduction to Archaeology; Quantification and Statistics in Applied Anthropology*, Anthropology, University of Maryland
- 2010 - 2011 *World Archaeology and Global Heritage*, Introduction to the Humanities, Stanford University
- 2009 *Past Human Environments; Applying GIS in Anthropological Research; Laws and Orders*, Anthropology and Introduction to the Humanities, Stanford University
- 2008 *Digital Methods in Archaeology; Introduction to Peruvian Prehistory; Archaeology as a Profession*, Archaeology Center, Stanford University.
Tropical Ecology and Conservation (with Rodolfo Dirzo), Latin American Studies, Stanford University
- 2007 *Humanized Landscapes: Archaeological Approaches to Human-Environment Interactions, Advanced Andean Archaeology* (with John Rick), Archaeology Center, Stanford University
- 2006 *Models and Images in Archaeological Computing* (with John Rick), Anthropological Sciences, Stanford University
- 2003 – 2005 Teaching Assistant, Department of Anthropological Sciences, Stanford University.
Courses included: *Introduction to Prehistoric Archaeology, Peruvian Archaeology, Human Origins, Introduction to Mesoamerican Archaeology*
- 1999 – 2001 History Teacher, Robert Louis Stevenson School, Pebble Beach, CA
- 1998 – 1999 Teaching Assistant, Center for Latin American Studies, Stanford University
Courses included: *History of Mexico, Sustainable Development in Latin America*
- 1997 – 1998 History Teacher, Punahou School, Honolulu, HI

Theses supervised

Graduate

- Amanda Brock, University of Florida Anthropology PhD Dissertation, submitted December 2024. *Making Monumental Places in Dynamic Landscapes: A Case in the Callejón de Huaylas, Peru.*
- Rocío López, University of Florida Anthropology PhD Dissertation, submitted May 2024. *A Geoarchaeological Approach to the Materiality and Historical Ecology of Earth Mounds: The Colina Da Monte Site, Uruguay.*

Undergraduate

- Talia Nishida, University of Florida Anthropology BA Honors Thesis, submitted May 2026. *Obsidian Sourcing and Interaction Networks in the Tanzanian Pastoral Neolithic.* Awarded *Summa cum laude*.
- Jacob Roberts, University of Florida Anthropology BA Honors Thesis, submitted June 2025. *Households and the Residential in the Central Andean Middle-Late Formative Period; Defining the Domestic at La Banda, Chavín de Huántar, Peru.* Awarded *Summa cum laude*.
- Elizabeth Ramshaw, University of Florida Anthropology BA Honors Thesis, submitted April 2025. *Living with the Monument: Domestic Architecture, Spatial Planning, and Integration at La Banda, Chavín de Huántar.* Awarded *Magna cum laude*.
- Schmitt, Sarah, University of Florida Anthropology BA Honors Thesis, submitted May 2024. *Taking A Closer Look at La Banda: Utilizing Photogrammetry to Explore Domestic Life at Chavín de Huántar.* Awarded *Summa cum laude*.

Professional Service

- 2024 Interim Graduate Coordinator, Anthropology Department, University of Florida
- 2023 Graduate Financial Aid Committee, Anthropology Department, University of Florida

- 2023 co-editor, "Archaeological Radiocarbon in the Central Andes", Special Issue of *Quaternary International*
- 2022 - present Review Editor for *Frontiers in Environmental Archaeology*, Landscape and Geological Processes section
- 2022 – present Invited member, Consejo Editorial Internacional, *Boletín de Arqueología PUCP* [International Editorial Council, Archaeological Bulletin of the Pontificia Universidad Católica del Perú]
- 2022-24 Research Misconduct Committee, University of Florida
- 2007 – present Peer review for *Advances in Archaeological Practice*; *Ancient Mesoamerica*; *Andean Past*, *Antiquity*, *Archaeometry*, *Arqueología y Sociedad*, *Arqueología*, *Boletín de Arqueología PUCP*, *Cambridge Archaeological Journal*, *Chungara: Revista de Antropología Chilena*, *Current Anthropology*, *Environmental Archaeology*, *Geosciences*, *The Holocene*, *International Journal of Cultural Property*, *Journal of Anthropological Archaeology*; *Journal of Archaeological Research*, *Journal of Archaeological Science*, *Journal of Archaeological Science: Reports*, *Journal of Cultural Heritage*, *Journal of Field Archaeology*, *Journal of Island and Coastal Archaeology*, *Journal of World Prehistory*, *Landscape Research*, *Latin American Antiquity*, *Nature Communications*, *Ñawpa Pacha: Journal of Andean Archaeology*, *PNAS*, *Quaternary*, *Radiocarbon*, *Remote Sensing*, *Sustainability*, *Water*
- 2022 Co-chair, *Leveraging Radiocarbon in the Central Andes: From Chronologies to Research Agendas*, Symposium for the 86th Annual Society for American Archaeology Meeting, Chicago, IL
- 2022 Fieldwork Festival Committee, Latin American Studies, University of Florida
- 2021 - present Invited member, *Comité Consultivo de Investigación Arqueológica del Complejo Arqueológico El Brujo* [Consulting Committee on Archaeological Research, El Brujo Archaeological Complex]
- 2021 Review Committee for Institute of Andean Studies 62nd Annual Meeting
- 2021 - present Public Archaeology MA Committee, Anthropology Department, University of Florida
- 2020-22 Faculty Council, College of Liberal Arts and Sciences, University of Florida
- 2020 - 2023 Graduate Education Committee, Anthropology Department, University of Florida
- 2020 Member, Society for American Archaeology Program Committee
- 2019 Co-chair, *An Archaeological Example: Celebrating John Rick's Research and Teaching Career*, Symposium at the 84th Annual Society for American Archaeology Meeting, Albuquerque, NM
- 2018 – 2021 Member, Scientific Committee, *Historical Ecology for the Future: International conference on historical ecology*
- 2017 – 2021 Member, Institute of Andean Studies ¹⁴C Grant Committee
- 2017 – 2021 Member, Open Science Interest Group, Society for American Archaeology
- 2016 – 2021 Member, PAGES LandCover6k Working Group
- 2014 Chair, *Correlation Is Not Enough: Building Better Arguments in the Archaeology of Human-Environment Interactions*, Symposium at the 79th Annual Society for American Archaeology Meeting, Austin, TX
- 2013 Co-organizer, *Social and Environmental Change in Pre-Hispanic Latin America* session of the *Socio-Environmental Dynamics over the Last 12,000 Years International Open Workshop*, Kiel, Germany
- 2006 Organizer, “Searching for Patterns in the Diversity of the Central Andean Formative” Roundtable Symposium, held at Stanford University 3-4 March 2006.
- 2005-07 Co-coordinator, Stanford Obsidian Research Group, Stanford Archaeology Center
- 2003-07 Coordinator, Andean Archaeology Working Group, Center for Latin American Studies, Stanford University

Papers Presented (last 5 years)

- 2026 **Contreras, Daniel A.** *What are radiocarbon dates proxies for? Dates-as-data and monumental construction in the Chicama Valley, Peru.* Invited talk in the workshop *Thinking Archaeology Through Its Methods: Reflections on Time, Practice, and Evidence*. CASEs, Pompeu Fabra University, Barcelona, 29 May 2026.

- 2026 **Daniel A. Contreras**, Benjamin Vining, and Augusto Bazán. *What Are Radiocarbon Dates Proxies For? Dates-as-Data and Monumental Construction in the Chicama Valley, Peru*. Invited talk in the 'Maritime Foundations for Andean Civilization at 50: Whither the Tides?' symposium at the 91st Annual Society for American Archaeology Meetings, San Francisco, CA, May 2026
- 2026 Rojas-Pelayo, Lisseth, Erick Acero-Shapiama, **Daniel Contreras**, Rosa Rick, and John Rick. *From Notes to Maps: A Legacy GIS Approach for Examining Mariash-Recuay Transformations at Chavín de Huántar*. Poster presentation at the 91st Annual Society for American Archaeology Meetings, San Francisco, CA, May 2026
- 2025 **Daniel A. Contreras**, Daniel Hernandez, Kurt Wilson, Nick Gauthier, Brian Coddington. "Species Distribution Modeling of Monumentality: Exploratory analysis of the maritime foundations of Andean civilization". Paper presented at the *45es Rencontres internationales d'Archéologie et d'Histoire de Nice Côte d'Azur*, October 2025
- 2025 Talia Nishida, **Daniel A. Contreras**, Oula Seitsonen, Audax Mabulla, Agness Gidna, Katherine M. Grillo, Mary E. Prendergast "Obsidian sourcing and interaction networks in the Tanzanian Pastoral Neolithic". Paper presentation at the Society for Africanist Archaeology (SAfA) meeting, July 2025
- 2025 **Daniel A. Contreras**. "Chronologies of Interaction: Bayesian Modeling of the Chavín Phenomenon". Invited paper presented in the *Social Dynamics in the North Highlands of Peru during the Formative Period: The Pacopampa Project's Contribution to Understanding the Early Complex Societies in the Andes* Symposium at the 90th Annual Society for American Archaeology Meetings, Denver, CO, April 2025
- 2025 Jacob R. Roberts, Cristhonfer Cornejo, Elizabeth Ramshaw, Sarah Schmitt, José Erickson-Cartaya, Matt Sayre, Silvana Rosenfeld, Erick Acero, John Wolf, John W. Rick, and **Daniel A. Contreras**. "Defining the Domestic at Chavín de Huántar: Learning from the La Banda Sector". Poster presented at the 90th Annual Society for American Archaeology Meetings, Denver, CO, April 2025
- 2025 Elizabeth Ramshaw, Sarah Schmitt, Jacob Roberts, Cristhonfer Cornejo, José Erickson-Cartaya, Matt Sayre, Silvana Rosenfeld, Erick Acero, John Wolf, John W. Rick, and **Daniel A. Contreras**. "Integrating Two Decades of Disparate Data from the La Banda Sector at Chavín de Huántar: From Pole Aerial Photography to UAV Photogrammetry via Plan Drawings". Poster presented at the 90th Annual Society for American Archaeology Meetings, Denver, CO, April 2025
- 2025 Talia Nishida, **Daniel A. Contreras**, Oula Seitsonen, Katherine Grillo, and Mary Prendergast. "Obsidian Sourcing and Interaction Networks in the Tanzanian Pastoral Neolithic". Poster presented at the 90th Annual Society for American Archaeology Meetings, Denver, CO, April 2025 [winner of the International Association of Obsidian Studies Craig E. Skinner prize for best poster]
- 2025 **Contreras, Daniel A.**, T. Nishida, K. Grillo, M. Prendergast, "Asking Questions with Obsidian at Luxmanda (+)". Invited talk in the *What's Cooking in the Pastoral Neolithic* workshop, 28 Feb 2015, Rice University
- 2024 **Contreras, Daniel A.** "Aportes a la interpretación del fenómeno Chavín del análisis de los conjuntos de fechados radiocarbónicos". Invited talk for the *Congreso Nacional de Arqueología*, Lambayeque, Peru (virtual). 7 Nov 2024
- 2024 **Daniel A. Contreras**, Matt Sayre, Silvana Rosenfeld, John Wolf, Erick Acero, Lisseth Rojas Pelayo, Sarah Schmitt, John W. Rick. 'Searching for the Domestic at Chavín: Integrating 20-Plus years of Archaeology in La Banda'. Invited paper in 'Chavín de Huántar's Contribution to Understanding the Central Andean Formative: Results and Perspectives' at the *89th Annual Society for American Archaeology Meetings*, New Orleans, LA, April 2024
- 2023 **Daniel A. Contreras**. Examining Peru's Early Horizon through Bayesian Modeling of the Radiocarbon Evidence. Presentation at *CLARA2 (Second Latin American Radiocarbon Conference)*, Mexico City, 7 Sept 2023.

- 2023 **Daniel A. Contreras** and Brian Coddling. Density Dependent Models Rely on Accurate Population Estimates. *88th Annual Society for American Archaeology Meetings*, Portland, OR, March 2023.
- 2023 Benjamin Vining, **Daniel A. Contreras** and Augusto Bazán. Beyond Coarse Correlations: Climate, Chronology, and Culture in Chicama, Peru. *88th Annual Society for American Archaeology Meetings*, Portland, OR, March 2023.
- 2022 **Daniel A. Contreras** El Carbono 14 y modelamiento bayesiano en la arqueología andina. Invited talk for the *VIII Coloquio Internacional de Arqueología de la Fundación Wiese*. Lima, Peru. 11 August 2022 (presented virtually).
- 2022 **Daniel A. Contreras** Balances y perspectivas sobre cronologías de la Costa Norte del Perú. Invited talk for the *VIII Coloquio Internacional de Arqueología de la Fundación Wiese*. Lima, Peru. 12 August 2022 (presented virtually).
- 2022 **Daniel A. Contreras**. Clearing the View of the Early Horizon. In Symposium - Leveraging Radiocarbon in the Central Andes: From Chronologies to Research Agendas. *87th Annual Society for American Archaeology Meeting*, Chicago, IL, April 2022
- 2022 **Daniel A. Contreras**. “Do Archaeologists Know Sustainability When They See It?” Discussant for Symposium - Lessons from The Past: Archaeological Insights on Environmental, Economic, And Social Sustainability. *87th Annual Society for American Archaeology Meeting*, Chicago, IL, April 2022
- 2022 Kurt Wilson, Brian Coddling, Weston McCool, **Daniel A. Contreras** and Joan Brenner Coltrain. Climate Change Drives 7,000 Years of Dietary Variation in the Central Andes. In Symposium - Climatic Influences on Diet, Demography, And Conflict. *87th Annual Society for American Archaeology Meeting* Chicago, IL, April 2022
- 2022 Benjamin Vining, **Daniel A. Contreras** and Aubrey Hillman. Archaeological and Ecological Evidence for El Niño-Driven Expansion of Agroecological Niches on Peru’s North Coast. In Hybrid Symposium - El Niño and The Archaeology of Resilience on The Peruvian Coast. *87th Annual Society for American Archaeology Meeting* Chicago, IL, April 2022
- 2021 **Daniel A. Contreras** and Brian Coddling. “Identifying Human Responses to Holocene Climate Change: Population, Environment, and Landscape Taphonomy in the Bonneville Basin, Utah”. Invited talk for Seminar Series, University of Aberdeen, 10 March 2021 (presented virtually).
- 2021 **Daniel A. Contreras** and Brian Coddling. “Identifying Human Responses to Holocene Climate Change: Population, Environment, and Landscape Taphonomy in the Bonneville Basin, Utah”. Invited talk for Research Seminar, University of Glasgow, 3 February 2021 (presented virtually).
- 2021 **Daniel A. Contreras**, Benjamin Vining, and Aubrey Hillman. “Working from Regional Climates towards Local Consequences: Diachronic Settlement Patterns as Model Material in the Chicama Valley, Peru”. Invited talk for RDMed Workshop: Modelling adaptation of ancient agricultural societies to climate change, the core of an interdisciplinary approach. 26-27 January 2021 (presented virtually).
- 2021 **Daniel A. Contreras** and Benjamin Vining. “Assembling the Archive: Integrating Legacy Data to Examine the Longue Durée in the Chicama Valley, Peru”. Presentation at the *61st Annual Meetings of the Institute of Andean Studies*, Berkeley, CA, January 2021.
- 2020 **Daniel A. Contreras**, Brian F. Coddling, D. Craig Young, Paul E. Allgaier, Roxanne Lois Fajardo Lamson, Lindsey M. Stalter, and Jerry D. Spangler. “Addressing Taphonomic Complications in the Use of Archaeological Radiocarbon Assemblages as Population Proxies: A Case Study in the Bonneville Basin.” *American Geophysical Union Fall Meeting*, ‘Western North America’s Palaeoclimates: Looking for Human Responses to Holocene Climate Changes’ Session, December 2020. (virtual poster)
- 2020 Brian F. Coddling, **Daniel A. Contreras**, Joan Brenner Coltrain, Peter M. Yaworsky, Kenneth Blake Vernon, Kurt M. Wilson, D. Craig Young, Lisbeth Louderback, Simon C. Brewer, and Jerry D. Spangler. “Evaluating the Impacts of Past Climate Change on Demographic and Subsistence Patterns in the Basin-Plateau Region of Western North America.” *American*

- Geophysical Union Fall Meeting*, 'Western North America's Palaeoclimates: Looking for Human Responses to Holocene Climate Changes' Session, December 2020. (virtual poster)
- 2020 **Daniel A. Contreras** and Brian Coddig. "Proxies Need Models! Constructing transparent and reflexive population estimates using archaeological radiocarbon assemblages." Invited talk for *Knowledge Gaps in Long-term Human Ecodynamics*, Institute for the Modelling of Socio-Environmental Transitions, Bournemouth University, 14-15 September 2020 (presented virtually).
- 2020 **Daniel A. Contreras**, Benjamin Vining, and Aubrey Hillman. "Regional Climates, Local Consequences: Downscaling Climate Data in the Chicama Valley, Peru". Local Manifestations of Climate Change for Archaeological Research Session. *85th Annual Meeting of the Society for American Archaeology*, Austin, TX, April 2020 (presented virtually).
- 2020 **Daniel A. Contreras**, "Uso e interpretación de datos radiocarbónicos en la arqueología". Invited lecture at the Museo del Complejo Arqueológico El Brujo, Chicama, Peru, March 2020.

Media Coverage

- 2011 Andrés Bermúdez Liévano. "La nueva Mirada" *Computer Hoy* 329:33-34.
- 2011 Erin Wayman. "GIS: A Rising Tool in the Geoarchaeologist's Toolbox" *Earth* January 2011: 26-32.
- 2010 Heather Pringle. "Google Earth Shows Clandestine Worlds" *Science* Aug. 2010: 1008-1009.
- 2009 Stanford University. "Buying, Selling, Owning the Past" *Stanford Report* Jan. 2009: 9-12.

Languages

Native speaker of English. Written and oral fluency in Spanish. Competence in French and basic competence in German.

Professional Memberships

Society for American Archaeology
 Institute of Andean Studies
 Institute of Andean Research