

## PROFESSIONAL EXPERIENCE

2013-present	Research Assistant Professor of Anthropology, University of New Mexico
2011-2013	Research Assistant Professor, School of Architecture and Planning, University of New Mexico
1998-2008	Exhibits Specialist/Architectural Conservator, National Park Service
1995-1997	Research Fellow, Getty Conservation Institute

## EDUCATION

2006	M.B.A., Anderson School of Management, University of New Mexico
1998	M.S., Historic Preservation, Graduate School of Fine Arts, University of Pennsylvania
1986	B.A., Art History, School of Fine Arts, University of California, Santa Barbara

## AREAS OF EXPERTISE

Conservation of ancient and historic wall paintings and architectural features (earth, lime, and cement) *in situ* and in museum collections

Condition assessment and materials analysis for conservation treatment planning and implementation

Preservation and management planning for archaeological and historic structures and sites

Architectural conservation training

## GRANT-FUNDED RESEARCH PROJECTS AT THE UNIVERSITY OF NEW MEXICO

2024-2027	Cavate Conservation Treatment Assessment and Recommendations for the Archeological Management Plan Preservation Guide for Frijoles Canyon Cavates, Bandelier National Monument; National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$95,612
2023-2028	Prepare Climate Change Vulnerability Assessments and Implementable Adaptation Plans at Mission Parks; National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$165,000
2022-2027	Preliminary Evaluation of Structural Condition and Survey of Earthen Architecture and Plasters at Mummy Cave, Canyon de Chelly National Monument; National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$227,841
2020-2025	Stabilize and Preserve the Historic Walls of Officers' Quarters HB-15, and the Historic Plaster in HB10-14 and HB-18, Fort Davis National Historical Park, Fort Davis, TX. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$273,784
2020-2024	Engineering Assessment and Documentation of the Upper Cliff Dwelling, Tonto National Monument, AZ, University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$68,000  Project Report: Bass, Angelyn, Porter, Douglas, and Woodham, David. Survey of Earthen Plasters and Engineering Assessment at the Upper Cliff Dwelling, Tonto National Monument; unpublished report submitted to the National Park Service, February 2024. (Master Cooperative Agreement Number: P17AC01318; Task Agreement Number: P20AC00699; UNM Sponsored Project Number: A21-0009).
2018-2023	Preliminary Evaluation of Structural Elements and Ancient Plasters of White House and Antelope House Ruin and Determine Treatment Priorities, Canyon de Chelly National

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	Monument, AZ, University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$267,321
2017-2019	<p>Earthen Plaster Treatment and Preservation Planning at Tonto and Montezuma Castle National Monuments. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$44,001</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Shepard, Lindsay, Spilde, Mike, Stewart, Carlyn, Vasquez, JoNella, and Williams, Katharine. Report on the Analyses of Earthen Building Materials at Tonto National Monument, 2020. (Master Cooperative Agreement Number: P17AC01318; Task Agreement Number: P17AC01324; UNM Sponsored Project Number: A18-0156).</p>
2014-2019	<p>Documentation and Implementation of Treatment Plans at Casa Grande Ruins and Montezuma Castle National Monuments. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$206,000</p> <p>Archaeological Analysis, Documentation, and Development of Pilot Conservation Treatments for the Great House, Casa Grande Ruins National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit grant, PI: A. Bass. \$248,195</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Williams, Katharine, Nordby, Larry, and Dixon, Neil. Analysis, Documentation, and Development of Conservation Treatments, Great House, Casa Grande Ruins National Monument, 2019.</p>
2014-2018	<p>Documentation and Preservation of Inscriptions, El Morro National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$121,346</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Williams, Katharine, Eininger, Sue., Kelley, Shari, Newton, Talon. Final Report on the Documentation and Preservation of Inscriptions, El Morro National Monument, 2019.</p>
2013-2016	<p>The Study of Exterior Renders for the Dome of the Mission Church, Tumacácori National Historical Park. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$84,060</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Anthony, Ronald, Woodham, David, Citto, Carlo, Strachan, Holly, and Kramer, Steve. Study of Exterior Dome Renders, Roof Drainage, and Structural Wood at the Mission Church, Tumacácori National Historical Park, 2016.</p>
2013-2015	<p>Condition Assessment and Treatment Planning for Prehistoric Earthen Plasters and Masonry at Bare Ladder Ruin, Natural Bridges National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$57,864</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Stevenson, Keri, Dixon, Neil, and Shaum, Katherine. Condition Assessment and Conservation Recommendations for Structure 14, Bare Ladder Ruin (42SA6965), Natural Bridges National Monument, 2016.</p>
2013-2015	<p>Condition Assessment and Treatment Planning for the Ancient Plasters Montezuma Castle, Phases I &amp; II. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$58,420</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Nordby, Larry, Stevenson, Keri. Condition Assessment and Preservation Planning for Montezuma Castle, Montezuma Castle National Monument: 2015.</p>
2013-2015	<p>Develop and Test Graffiti Mitigation Techniques at the Barker Dam Historic Site, Joshua Tree National Park. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$46,000</p> <p>Project Report: Bass, Angelyn, Porter, Douglas, Strachan, Holly, Kramer, Steve, and Shaum, Katherine. Graffiti Mitigation at Barker Dam, Joshua Tree National Park, 2017.</p>
2013-2014	<p>Condition Assessment and Treatment Planning for the Great House, Casa Grande Ruins National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$45,216</p>

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	Project Report: Bass, Angelyn, Porter, Douglas, Nordby, Larry, Reimann, Liisa, Shaum, Katherine Stevenson, Keri., Condition Assessment & Treatment Planning for the Great House, Casa Grande Ruins National Monument: 2014.
2012-2014	Assess Condition of the Millwork and Provide Treatment Recommendations for Pigeon's Ranch, Pecos National Historical Park. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, Co-PI: A. Bass. \$15,000  Project Report: Porter, Douglas, Bass, Angelyn, Strachan, Holly, and Stevenson, Keri. Condition Assessment of Millwork and Interior Plaster at Pigeon's Ranch, Glorieta Unit, Pecos National Historical Park, 2014.
2012-2013	Mitigate Graffiti on the Oñate Panel, Inscription Rock, El Morro National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: A. Bass. \$28,707  Project Report: Bass, Angelyn and Porter, Douglas. Graffiti Mitigation at the Oñate Panel, Inscription Rock, El Morro National Monument, 2013.
2012-2013	Emergency Stabilization, Assessment and Treatment of Painted Plasters in the Mission Church, Tumacácori National Historical Park, Tumacácori, AZ. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, Co-PI: A. Bass. \$70,000  Project Report: Porter, Douglas, Bass, Angelyn, Woodham, David. Assessment, Emergency Stabilization, and Treatment of Painted Plasters in the Mission Church, Tumacácori National Historic Park, 2013.
2010-2012	Structural Evaluation and Modeling of Cavate B002 at Bandelier National Monument. University of New Mexico: National Park Service/Colorado Plateau Cooperative Ecosystems Study Unit, PI: D. Porter; Co-PI: A. Bass. \$45,050  Project Report: Porter, Douglas, Bass, Angelyn, Ochsendorf, John, DeJong, Matthew. Structural Assessment and Monitoring of Cavate B002 at Bandelier National Monument: Phase 1, 2012.

**SELECT RESEARCH PRODUCTS**

2025 (in press)	Román Ramírez, Edwin, Paiz Aragón, Lorena, <b>Bass Angelyn</b> , Garrison, Thomas, Houston, Stephen, Hurst, Heather, Stuart, David, Corado Ochoa, Alejandrina, García Leal, Christina, Scherer, Andrew, and Piedrasanta Castellanos, Rony. A Teotihuacan Altar at Tikal, Guatemala: Central Mexican Ritual and Elite Interaction in the Maya Lowlands. <u>Antiquity</u> . Cambridge University Press.
2025 (in press)	<b>Bass, Angelyn</b> , Douglas Porter, Larry Nordby, Matthew DeJong, and Matthew Guebard. "Powers of Ten: Earthen Plaster Characterization and Conservation", <u>Terra 2022: 13<sup>th</sup> World Congress on Earthen Architectural Heritage</u> , 7-10 June 2022, Santa Fe, NM, USA.
2021	<b>Bass, Angelyn</b> , Porter, Douglas. Conservation of Decorative Spanish Colonial Plaster: Preventive and Remedial Treatments, Paper No. 5 in <u>Manual for Best Practices in Stone Building Preservation Management</u> , San Antonio Mission National Historical Park ed. UTSA Center for Cultural Sustainability.
2020	Porter, Douglas., Mehrota, Anjali., DeJong, Matthew., <b>Bass, Angelyn.</b> , Ochsendorf, John. "Material and Seismic Assessment of the Great House at Casa Grande Ruins National Monument, Arizona", <u>ASCE Journal of Architectural Engineering</u> , Vol. 26 Issue 1. March 2020.
2020	Woodham, David., Citto, Carlo, Porter, Douglas, <b>Bass, Angelyn</b> , and Anthony, Ronald. "Investigation, Analysis, and Treatment Testing for the Mission Church, Tumacácori National Historical Park", <u>ASCE Journal of Architectural Engineering</u> , Vol. 26 Issue 1. March 2020.
2019	<b>Bass, Angelyn</b> , Douglas Porter, Katharine Williams, Shari Kelley, Talon Newton, and Steve Baumann. 2019. Preservation of the Historic Inscriptions at El Morro National Monument, New Mexico. <u>Monuments in Monuments 2019 Conference Proceedings</u> , ed. Ewan Hyslop, Christa Gerdwilker, Vanesa Gonzalez, Historic Environment Scotland.

2018	Guebard, Matthew C., <b>Bass, Angelyn</b> , Porter, Douglas. 2018. Colored Plasters and Cultural Meaning at the Montezuma Castle Cliff Dwelling and Casa Grande Great House. In the <u>Journal of Arizona Archaeology</u> 2018, Volume 5, Number 2:101-113.
2017	<b>Bass, Angelyn</b> , Porter, Douglas, Spilde, Mike, Guebard, Matthew, Shaum, Katherine, and Ferriola, Nicholas. "Characterization and Comparative Analysis of Ancient Earthen Plasters from the American Southwest." <u>MRS Advances</u> , 1-34. Cambridge University Press doi:10.1557/adv.2017.240.
2017	Porter, Douglas, Broxton, David, <b>Bass, Angelyn</b> , Neher, Deborah, Weicht, Thomas, Longmire, Patrick, Domingue, Rebecca, Spilde, Michael, "Role of Case Hardening in the Preservation of the Cavates and Petroglyphs of Bandelier." <u>MRS Advances</u> , 1-37. Cambridge University Press doi:10.1557/adv.2017.277.
2016	Porter, Douglas, Broxton, David, <b>Bass, Angelyn</b> , Neher, Deborah, Weicht, Thomas, Spilde, Michael, Longmire, Patrick, Domingue, Rebecca. "The Role of Biofilms and Lichens in the Preservation of Archaeological Features in the Bandelier Tuff, Bandelier National Monument", <u>Diadris / e-dialogos: Interdisciplinary Research on Archaeology and Architectural Conservation</u> , No. 5, May 2016.
2014	<b>Bass, Angelyn</b> . "Chapter 5: Carved in the Cliffs: The Cavate Pueblos of Frijoles Canyon," in <u>Living the Ancient Southwest: Essays by Anthropologists and Native Americans</u> , ed. David Grant Noble, Santa Fe: School of American Research.
2014	<b>Bass, Angelyn</b> and Douglas Porter. "Moisture Distribution, Structural Monitoring, and Decorative Plaster Conservation: The Adobe Church at Mission Tumacácori, USA", <u>Proceedings, 9th International Masonry Conference 2014</u> , Guimaraes, Portugal.
2014	Porter, Douglas and <b>Angelyn Bass</b> . "Shelburne Farms: Restoration and Conservation of a Gilded-Age Estate Garden", <u>Proceedings, 9th International Masonry Conference 2014</u> , Guimaraes, Portugal.
2014	Broxton, Dave, Douglas Porter, <b>Angelyn Bass</b> , and Rebecca Domingue. "Case Hardening and the Weather Resistance of Rhyolitic Tuff: Preservation of the Cavates and Petroglyphs of Bandelier National Monument", <u>Proceedings, 9th International Masonry Conference 2014</u> , Guimaraes, Portugal.
2011	Rainer, Leslie, <b>Angelyn Bass Rivera</b> and David Gandreau, Editors. <u>Proceedings of Terra 2008, the Tenth International Conference on the Study and Conservation of Earthen Architectural Heritage, February 2008</u> . The Getty Conservation Institute.
2010	Holmlund, Jim, <b>Angelyn Bass Rivera</b> , and Lauren Meyer. "Documentation and Laser Scanning of the Cavates in Bandelier National Monument, New Mexico" in <u>The Conservation of Archaeological Materials: Current Trends and Future Directions</u> . Editors Emily Williams and Claire Peachey, Archaeopress, England.
2006	<b>Bass Rivera, Angelyn</b> , Leslie Rainer and Lydia Vagts. "Out of their Native Earth: The History of Excavation and Conservation of Ancient Hopi murals from Awat'ovi and Kawaika-a." <b>Bass Rivera, Angelyn</b> , Claudia Cancino, Rebecca J. Carr, Kecia Fong, Mary Hardy, and Leslie Rainer. "Summary Discussion." <b>Bass Rivera, Angelyn</b> "Conclusion." in Rainer, Leslie and <b>Angelyn Bass Rivera</b> , Editors. <u>The Conservation of Decorated Surfaces on Earthen Architecture: Proceedings from the International Colloquium, 22-25 September 2004, Mesa Verde National Park, Colorado, USA</u> . Getty Conservation Institute.
2005	<b>Bass Rivera, Angelyn</b> . "Chapter 11: Carved in the Cliffs: The Cavate Pueblos of Frijoles Canyon," in <u>The Peopling of Bandelier: New Insights from the Archaeology of the Pajarito Plateau</u> , ed Robert P. Powers, Santa Fe: School of American Research, 2005.

2004	<b>Bass Rivera, Angelyn</b> , Brian Culpepper, Jake Barrow and Preston Fisher. "Partial Reburial of West Ruin at Aztec Ruins National Monument," in <u>The Conservation and Management of Archaeological Sites</u> , Volume 6, #3&4.
2000	Fiero, Kathleen, Frank G. Matero, and <b>Angelyn Bass Rivera</b> . "Preservation of Prehistoric Earthen Architectural Finishes in Mesa Verde National Park, Colorado," in <u>Terra 2000, 8<sup>th</sup> International Conference on the Study and Conservation of Earthen Architecture</u> , Torquay, Devon, UK, May 2000. UK: English Heritage.
1997	<b>Bass, Angelyn</b> , and Jake Barrow. "18th-Century Plasters Preserved: Conservation in the Convento of Mission San Jose," in <u>CRM</u> (Cultural Resources Management), Volume 20, #10, 1997.
1996	Demas, Martha, Neville Agnew, Simon Waane, Jerry Podany, <b>Angelyn Bass</b> and Donatius Kamamba "Preservation of the Laetoli Hominid Trackway in Tanzania," in <u>Archaeological Conservation and its Consequences, Preprints of the Contributions to the Copenhagen Congress, 26-30 August 1996</u> . London: IIC.
1995	Matero, Frank, and <b>Angelyn Bass</b> . "The Design and Evaluation of Hydraulic Lime Grouts for the Reattachment of Lime Plasters to Earthen Walls," in <u>The Conservation and Management of Archaeological Sites</u> , Volume 1, #2, 1995.

#### SELECT CONFERENCE/INVITED PRESENTATIONS AND WORKSHOP INSTRUCTION

2023	Instructor: National Park Service Workshop on Mud Chinking at the Bartlett Cabin Homestead Site, Pecos NHP, New Mexico. September 13, 14, & 20, 2023
2022	Presenter: "Powers of Ten: Earthen Plaster Characterization and Conservation", Terra 2022: 13 <sup>th</sup> World Congress on Earthen Architectural Heritage, 7-10 June 2022, Santa Fe, NM, USA. [Co-presenters: Douglas Porter, Larry Nordby, Matthew DeJong, and Matthew Guebard].
2022	Presenter: "A Comparative Study of Ancient Earthen Mortars and Plasters in the American Southwest," a CEE Graduate Seminar lecture, April 29, 2022. [Co-presenter: Douglas Porter].
2022	Instructor: Adobe Apprenticeship, Chinati Foundation (Marfa, TX) April 10-11, 2022. [Co-instructor: Douglas Porter].
2022	Presenter: "A Legacy in Earth", UNM Anthropology Colloquium Series 2022, Alfonso Ortiz Center for Intercultural Studies and the Latin American and Iberian Institute, April 1, 2022. [Co-presenter: Douglas Porter].
2022	Presenter: "Color Symbolism and Characterization of Ancient Earthen Plasters and Washes of the American Southwest", Society for American Archaeology 87 <sup>th</sup> Annual Meeting, Chicago, IL, April 2022. [Co-presenters: Matthew Guebard and Douglas Porter].
2022	Presenter: "Fragments Reassembled: Conservation of the Maya Murals of San Bartolo, Guatemala", March 23, 2022, Latin American & Iberian Institute. [Co-author: Heather Hurst].
2022	Presenter: "Ancient Earthen Construction in the American Southwest." Cultural Heritage Seminar, Technical University, Berlin, January 25, 2022. [Co-presenter: Douglas Porter].
2022	Presenter: Conserving Maya Wall Paintings: Commingled Legacies of Color and Context. The 2022 Mesoamerica Meetings, Friday, January 14, 2022 [Co-presenter: Heather Hurst].
2021	Co-author: "Re-Documentación y Evaluación de Condiciones del "Mural de los Jugadores de Tikal." XXXIV Simposio de Investigaciones Arqueológicas en Guatemala, 2021. Museo Nacional de Arqueología y Etnología. July 28, 2021. [Presenters: Heather Hurst (lead), Edwin Román, and Diana Méndez Lee]

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2021	Expert panelist and Presenter: “Soils and Materials Selection.” SICRAT <i>Seminario Internacional de Conservación y Restauración de Arquitectura de Tierra</i> (International Seminar on the Conservation and Restoration of Earthen Architecture), June 17, 2021. [Co-presenter: Douglas Porter]
2021	Expert Panelist and Presenter: “Spanish Colonial Plaster” Symposium: Best Practices in Stone Building Preservation Management, San Antonio Missions National Historical Park, May 19–21, 2021. [Co-presenter: Douglas Porter]
2021	Presenter: “Conservation: as Much as Necessary and as Little as Possible.” Technical University, Berlin, January 22, 2021. [Co-presenter: Douglas Porter]
2020	Presenter: “Collaborative Roles for Conservators and Engineers in the Preservation of Archaeological Sites.” Graduate Seminar, University of Vermont, School of Engineering, April. 24, 2020. [Co-presenter: Douglas Porter]
2019	Instructor: “Conservation Practice in the Field Architectural and Site Conservation” and “Case Studies of Collaborative Field Work and Site Management: San Bartolo, Guatemala, walls and mural fragment conservation.” Getty Conservation Institute (GCI)-American Schools of Oriental Research (ASOR) Workshop on Conservation and Archaeology, San Diego, Nov. 24, 2019. [Co-instructors: Douglas Porter and Heather Hurst]
2019	Instructor: Graffiti Mitigation at the Desert View Watchtower. Grand Canyon National Park, 12, 17 September 2019, National Park Service.
2019	Presenter: “Preservation of the Historic Inscriptions at El Morro National Monument, New Mexico.” Monuments in Monuments 2019, Historic Environment Scotland, Stirling, Scotland, September 2-4, 2019. [Co-presenter: Katie Williams]
2019	Co-author: “Broken into Fragments: Analysis and Conservation of the Maya Murals of San Bartolo, Guatemala.” American Institute for Conservation 47th Annual Meeting Uncasville, CT, May 13-18, 2019. [Presenter: Heather Hurst, lead]
2019	Presenter: “The Afterlife of the Discovery of a Lifetime: Preservation of the Maya Murals of San Bartolo, Guatemala.” Society for American Archaeology, 84th Annual Meeting, Albuquerque, New Mexico, April 10 - 14, 2019 [Co-presenter: Heather Hurst].
2019	Presenter: “Architectural Documentation at the Montezuma Castle and Casa Grande Ruins National Monuments.” Society for American Archaeology, 84th Annual Meeting, Albuquerque, New Mexico, April 10 - 14, 2019 [Co-presenters: Matthew Guebard, Douglas Porter and Larry Nordby].
2019	Presenter: “Mineralogical and Micromorphological Analysis of Gypsum Washes at Casa Grande National Monument.” Society for American Archaeology, 84th Annual Meeting, Albuquerque, New Mexico, April 10 - 14, 2019 [Co-presenters: Katharine Williams and Douglas Porter].
2019	Presenter: “Cedar Mesa Architecture: Analysis of Earthen Mortars, Decorated Plasters, and an Intact Wood Roof at Bare Ladder Ruin, Natural Bridges National Monument, Utah.” Society for American Archaeology, 84th Annual Meeting, Albuquerque, New Mexico, April 10 - 14, 2019 [Co-presenters: Douglas Porter (lead), Michael Spilde, Katharine Williams and Noreen Fritz].
2019	Participant: Workshop on Built Heritage and Sustainable Development. International Centre for the Study of the Preservation and Restoration of Cultural Property (ICCROM), Rome, 15-17 May 2019.
2018	Presenter: “All Along the Watchtower: New Insights into the Design and Murals at Mary Colter’s Desert Watchtower at the Grand Canyon.” Eighth Annual Fred Harvey History Weekend 2018, New Mexico History Museum., Santa Fe, NM November 2, 2018, [Co-presenter: Ed Kabotie].
2018	Presenter: “ <i>Piezas Reensambladas: Conservación En Situ y Ex Situ de los Murales Mayas de San Bartolo</i> ” Lecture for exhibition symposium, “De la Oscuridad a la Luz: Los Fragmentos de Pintura Mural Maya de San Bartolo, Guatemala,” Museo Nacional de Arqueología e Etnología, Guatemala City, June 13-15, 2018. [lecture given in Spanish]

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2018	Presenter: “Desert View Watchtower: Derivative Design and Inspired Collaboration. Presentation at the Arizona Historic Preservation Conference 2018: Design in the Desert, Scottsdale, AZ, June 2018. [Co-presenters: Douglas Porter and Ed Kabotie]
2018	Presenter: “The Coproduction of Actionable Science for Cultural Resources: Characterizing and Conserving Earthen Architecture in the American Southwest.” Lecture for the Intermountain Region Park Resource Managers Training Workshop, April 16-20, 2018. [Co-presenter: Matthew Guebard]
2017	Presenter: “Decorated Earthen Plaster and Wood: A Twelfth-Century Kiva at Bare Ladder Ruin, Natural Bridges National Monument.” Mesa to Mountain: Preservation in the American West, Rocky Mountain Chapter of the Association for Preservation Technology International Regional Conference) Salt Lake City, UT, March 23-25, 2017. [Co-presenter: Douglas Porter (lead)]
2016	Presenter: “Characterization of Earthen Plasters from the American Southwest. Association for Preservation Technology Conference 2016, San Antonio, TX, November 2016. [Co-presenters: Douglas Porter (lead) and Michael Spilde]
2016	Presenter: “Conserving the Polychrome Stuccos at Missions Concepcion, San Jose and Espada, San Antonio Texas.” Association for Preservation Technology Conference 2016, San Antonio, TX, November 2016. [Co-presenters: Douglas Porter, Rachel Wright, and Anna Nau]
2016	Presenter: “Characterization and Comparative Analysis of Ancient Earthen Plasters from the American Southwest.” Materials Research Society Fall Meeting, Boston, MA, November 2016. [Co-presenters: Douglas Porter and Michael Spilde]
2016	Presenter: “The Role of Case Hardening in the Preservation of the Cavates and Petroglyphs of Bandelier National Monument.” Materials Research Society Fall Meeting, Boston, MA, November 2016. [Co-presenters: Douglas Porter (lead) and Michael Spilde]
2016	Instructor: Addressing Graffiti on Park Resources: Developing Strategies for Documentation, Assessment, Treatment and Monitoring, Moab, Utah, 18-20 October 2016, National Park Service.
2014	Presenter: “Case Hardening and the Weather Resistance of Rhyolitic Tuff: Preservation of the Cavates and Petroglyphs of Bandelier National Monument.” 9th International Masonry Conference 2014, Guimaraes, Portugal. [Co-presenters: Douglas Porter (lead), Dave Broxton, and Rebecca Domingue]
2014	Presenter: “Moisture Distribution, Structural Monitoring, and Decorative Plaster Conservation: The Adobe Church at Mission Tumacácori, USA.”. 9th International Masonry Conference 2014, Guimaraes, Portugal. [Co-presenter: Douglas Porter]
2014	Instructor: Wall Painting Conservation, Antigua, Guatemala, 18-27 November 2014 (NEH Collaborative Research Grant, #RZ51575, PI: H. Hurst)
2012	Presenter: “Biofilms and the Weather Resistance of Rhyolitic Tuff: Preservation of the Cavates and Petroglyphs of Bandelier National Monument.” ICAHM Conference 2012, (ICOMOS International Committee on Archaeological Heritage Management), Cuzco, Peru. [Co-presenter: Douglas Porter].
2012	Instructor, Emergency Stabilization, Assessment and Treatment of Painted Plasters in the Mission Church, Tumacácori National Historical Park, AZ, 03-15 March, 2012, National Park Service.
2011	Instructor, Conservation Field Studies: Bandelier National Monument, 2011 Southwest Summer Institute for Preservation and Regionalism, University of New Mexico, School of Architecture and Planning, 20-24 June 2011.

**PROFESSIONAL SERVICE AND AWARDS**

2024	Committee Member. Katharine M. Williams. "Architecture and the Organization of Labor at Tsegi Phase (AD 1250-1300) Cliff Dwellings, Navajo National Monument." Ph.D. Anthropology, University of New Mexico, Albuquerque, NM.
2022	ICOMOS Culture-Nature Prize, 1 <sup>st</sup> Place, Maya Biocultural Landscapes: Co-creating an Illustrated Dictionary and a Species Inventory, Guatemala, 2022 (member of project team). The prize is given to acknowledge remarkable initiatives recognizing and promoting the interconnections between cultural and natural heritage; up to three awards are given each year (worldwide).
2021	External Reviewer, 2022 World Monuments Fund Watch nominations, ICOMOS
2020-2021	External Reviewer, conference abstracts and proceedings of Terra 2022, 13 <sup>th</sup> World Congress on Earthen Architectural Heritage.
2018	Governor's Heritage Preservation Honor Award 2018, "Montezuma Castle and Casa Grande Ruins Preservation Project", Arizona State Historic Preservation Office.
2008	New Mexico Archaeological Heritage Preservation Award, 2008. "Conservation of the Cavates at Bandelier National Monument".

#### EXTERNAL PROFESSIONAL ACTIVITY

Survey and Condition Assessment of the Painted Rocks Site, LA 8989, Salinas Pueblo Mission National Monument, New Mexico. December 2024.
Survey and Condition Assessment of the Alexander Girard Polychrome Doors in the Pritzker Student Center, St. John's College, Santa Fe, New Mexico. 2024.
Maya Wall Painting Conservation, San Bartolo-Xultun-Xulbe Regional Archaeological Project, <i>Departamento de Petén</i> , Guatemala. Directors: Heather Hurst and Boris Beltrán. (Lead Conservator 2019-2024).
Preparer, Draft World Heritage nomination for the archaeological sites of San Bartolo-Xultun. The sites are perhaps the two most important discoveries in terms of Maya Scholarship in over a century. The nomination is being prepared in partnership with the <i>Asociación Proyecto Arqueológico Xultun-San Bartolo</i> . (Co-author 2021).
Condition Assessment and Treatment Planning for the Maya Wall Paintings at the Altar of Group 6C-XV, and the <i>Mural de los Jugadores de Tikal</i> . <i>Proyecto Arqueológico del Sur de Tikal</i> , Guatemala, Tikal National Park, Guatemala. Director: Edwin Román Ramírez. (Conservator 2019, 2022).
Assessment and Conservation of the Historic Hopi Wall Paintings in the Altar Room at Hopi House and the Desert View Watchtower, Grand Canyon National Park. (Lead Conservator 2016-2019).
Survey, Documentation, Condition Assessment, and Emergency Conservation of the Decorative Colonial Lime Stuccos at Mission Concepcion, San Antonio, TX. Ford, Powell & Carson. (Lead Conservator 2011-2013, 2018-2019, 2020).
Conservation and preparation of a permanent exhibit and study collection for the <i>Museo Nacional de Arqueología y Etnología</i> of the San Bartolo Mural Fragments. Part of the Murals in Motion; NEH Collaborative Research Grant, #RZ51575, National Endowment for the Humanities; PI: Heather Hurst. (Lead Conservator 2015-2018).
Study and Restoration/Rehabilitation of the Las Flores Adobe and the Santa Margarita Ranch House Complex, Camp Pendleton, CA, University of Vermont: National Park Service/Pacific Northwest Cooperative Ecosystems Study Unit grant; PI: Douglas Porter. (Conservator: 2009-2021)
Conservation of the Cast Stone and Marble Sculpture, Formal Garden, Shelburne Farms National Historic Landmark District, VT (Lead Conservator: 2009-2021).
Documentation and Conservation of the Decorative Colonial Lime Stuccos, Concepcion Dome, San Antonio, TX (Lead Conservator: 2020)

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Wall Painting Condition Assessment and Conservation at Xultun, El Petén, Guatemala (Conservator: 2010-11, 2014-19)

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Assessment and Pilot Treatment of the Historic Bartlett Cabin, Pecos National Historical Park, NM, PI: D. Porter (Conservator: 2017-2018)

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Assessment and Stabilization of the Stahly Labyrinth, Albany NY (Conservator: 2017)

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Assessment and Emergency Stabilization of Decoratively Painted Structural Wood and Plaster, Church of San Cristobal Rapaz, Peru (Conservator: 2015-2016)

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Evaluation and Pilot Treatment of Decorated Stuccos, the Mission Churches of Mission Nuestra Señora De La Purísima Concepción De Acuña, San Jose, And Espada, San Antonio, TX (Lead Conservator: 2015)

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Condition Assessment of First and Second Forts, Fort Bowie National Historic Site, AZ, PI: D. Porter (Conservator: 2011-2015)

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Development of a Stabilization Plan for Historic Ranch Houses, White Sands Missile Range, NM, PI: D. Porter (Conservator: 2013-2014)

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Graffiti Mitigation, North Point, El Morro National Monument (Lead Conservator: 2012)

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Wall Painting Conservation, San Bartolo, El Petén, Guatemala (Conservator: 2002-2011)

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Structural Condition Assessment and Nondestructive Evaluation, Alcove House Kiva, Bandelier National Monument, NM, PI: D. Porter (Conservator: 2011)

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Preparation of the Frijoles Canyon Cavate Conservation Plan, Bandelier National Monument, NM (Conservator: 2010-2011)

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Condition Assessment and Recommendations for Preservation of the Torreón, Las Golondrinas, NM (Lead Conservator: 2011)

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Testing and Pilot Treatments for the Exterior Redwood, Scotty's Castle, Death Valley National Park, CA, PI: D. Porter (Conservator: 2010)

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Wall Paintings Condition Assessment, Church of San Augustin, Pueblo of Isleta, NM (Lead Conservator: 2010)

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Evaluation of Painted Wood, Mission Church of San Miguel Arcangel, San Miguel CA (Conservator: 2008-2009)

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Conservation of the Awat'ovi Murals, Museum of Northern Arizona, Flagstaff, AZ (Conservator: 2003-2004)

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Stabilization of Architectural Sculpture, Piedras Negras, Guatemala (Conservator: 2004)

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Wall Paintings Condition Assessment and Documentation, Holmul, El Petén, Guatemala (Conservator: 2002)

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Conservation of the Hominid Trackway, Laetoli, Tanzania (Research Fellow: 1994-1996)

**ADDITIONAL INFORMATION**

2001-present	Professional Associate, American Institute for Conservation of Historic and Artistic Works (AIC)
2011-present	Member, International Institute for Conservation of Historic and Artistic Works (IIC)
2020-present	Member, International Council on Monuments and Sites (ICOMOS)
Languages	English; Spanish