

Christopher M. Dostal
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Academic Appointments

Aug. 2020 – Present **Director, Center for Maritime Archaeology and Conservation**
Director, Conservation Research Laboratory
Sep. 2019 – Present **INA Faculty Fellow**
July 2018 – Present **Assistant Professor**
July 2018 – Present **Director, Analytical Archaeology Laboratory**
Department of Anthropology, Nautical Archaeology Program, Texas
A&M University.

Research Interests

Historical-period maritime archaeology in North America and Western Europe, the conservation and long-term preservation of waterlogged archaeological artifacts, *in situ* preservation and documentation techniques for underwater archaeological sites, X-ray fluorescence elemental analysis of archaeological artifacts, digital imaging and 3D modeling of archaeological artifacts, and public outreach.

Academic Preparation

December 2015 – May 2017 **Texas A&M University**
PhD in Anthropology (sp. Nautical Archaeology)
Dissertation Title: *Laser Scanning as a Methodology for the 3-D Digitization of Archaeological Ship Timbers: A Case Study Using the World Trade Center Shipwreck*

Aug. 2011 – December 2015 **Texas A&M University**
M.A. in Anthropology (sp. Nautical Archaeology)
Thesis Title: *X-Ray Fluorescence as a Method of Characterizing Inorganic Pigment Patterns in Art*

May 2009 - May 2011 **University of Colorado at Boulder**
B.A. with Distinction in Anthropology
Major: Anthropology
Minor: Geology

Aug. 2007 – May 2009 **Front Range Community College**
A.A. in Liberal Arts

Sep. 1999 – Sep. 2001 **Naval Nuclear Power School**

Teaching

Texas A&M University

Spring 2023	Instructor for ANTH 663: Analytical Methods in Archaeology and Conservation.
Fall of 2022	Instructor for ANTH 605: Conservation of Archaeological Materials I
Fall 2021	Instructor for ANTH 605: Conservation of Archaeological Materials I
Spring 2021	Instructor for ANTH 606: Conservation of Archaeological Materials II
Fall 2020	Instructor for ANTH 605: Conservation of Archaeological Materials I
Spring 2020	Instructor for ANTH 313/607: Historical Archaeology Instructor for ANTH 689: Analytical Methods in Archaeology and Conservation
Fall 2019	Instructor for ANTH 617: Conservation of Archaeological Materials III
Fall 2018/Spring 2019	Instructor for ANTH 689: Analytical Methods in Archaeology and Conservation
Spring 2016	Instructor for ANTH 489: Analytical Methods in Archaeology and Conservation.
Fall 2013 – Fall 2015	Teaching Assistant for ANTH 605: Conservation of Archaeological Resources I & II
Spring 2013	Instructor for ANTH 313: Historical Archaeology.
Fall 2012	Teaching Assistant for ANTH 605: Conservation of Archaeological Resources I

Guest Lectures

An Overview of the La Salle Expedition to Texas and the Recovery and Conservation of La Belle. Guest Lecture for ANTH 313: Historical Archaeology. Invited by Dr. Carolyn Kennedy, Department of Anthropology, Texas A&M University. (Fall 2021)

An Overview of 3D Digitization Techniques. Guest Lecture for ANTH 608: Skills in Maritime Archaeology. Invited by Dr. Shelley Wachsmann, Department of Anthropology, Texas A&M University. (Spring 2019)

Freeze Drying as a Method for Conserving Waterlogged Archaeological Wood. Guest Lecture for ANTH 606: Conservation of Archaeological Resources I. Invited by Dr. Donny Hamilton, Department of Anthropology, Texas A&M University. (Fall 2018)

Freeze Drying as a Method for Conserving Waterlogged Archaeological Wood. Guest Lecture for ANTH 606: Conservation of Archaeological Resources I. Invited by Dr. Donny Hamilton, Department of Anthropology, Texas A&M University. (Fall 2017)

Introduction to X-Ray Fluorescence. Guest Lecture for ANTH 608: Skills in Maritime Archaeology. Invited by Dr. Shelley Wachsmann, Department of Anthropology, Texas A&M University. (Spring 2016, 2017)

3D Digitization of Archaeological Artifacts. Guest Lecture for ANTH 608: Skills in Maritime Archaeology. Invited by Dr. Shelley Wachsmann, Department of Anthropology. (Spring 2016, 2017)

Freeze Drying as a Method for Conserving Waterlogged Archaeological Wood. Guest Lecture for ANTH 606: Conservation of Archaeological Resources I. Invited by Dr. Donny Hamilton, Department of Anthropology, Texas A&M University. (Fall 2016)

La Belle: The Shipwreck of La Salle. Guest Lecture for ANTH 489: Visual and Material Culture of the Medeterianian 1400 – 1700, Invited by the instructor, Dr. Lilia Campana, Department of Anthropology, Texas A&M University. (Summer I, 2014)

Introduction to X-Ray Fluorescence. Guest Lecture for ANTH 606: Conservation of Archaeological Resources II. Invited by Dr. Donny Hamilton, Department of Anthropology, Texas A&M University. (Spring 2014)

Introduction to X-Ray Fluorescence. Guest Lecture for ANTH 607: Historical Archaeology. Invited by Dr. Donny Hamilton, Department of Anthropology, Texas A&M University. (Spring 2014)

Graduate Student Advising

Committee Chair

Agerton, Marissa (MS in progress). Title: *TBD*

Brashear, Logan (MS in progress). Title: *The Development of the Oberlander Rhenish River Boats.*

Breyfogle, Kimberly (MA & PhD in progress). Title: *The Chelation of Irreversible Silicone Oil-Treated Archaeological Wood to Prevent Acid Propagation.*

Carpenter, Alyssa (MS in progress). Title: *An Analysis of a 18th-Century Cannon Assemblage from the Savannah River.*

Cochran, Paul (MS 2019) *Sourcing the Bricks of Port Royal, Jamaica via X-ray Fluorescence.* MS Thesis, Texas A&M University.

Crutcher, Megan (PhD in progress) Title: *TBD*

Ioset, Benjamin (PhD 2021) Title: *The Last Lake Schooners: The Final Generation of Sailing Ships and Sailors on Lake Ontario.*

Johnson, Hunter (MS in progress) Title: *TBD*

Palomino, Raul (MA complete, PhD in progress) Title: (MA) San Giacomo di Galizia: *The Reconstruction of a 16th Century Galleon*.

Shultz, Lauren (MS 2019) *GIS Spatial Analysis and Predictive Modelling of the Shipwrecks on the Alexandria, Virginia Waterfront*. MS Thesis, Texas A&M University.

Siess, Austin (MS 2024) Title: *Underwater Archaeology Beyond Shipwrecks: An Introductory Guide To Conserving Artifacts From Submerged Aircraft*

Thomas, Olivia (PhD in Progress) Title: *The Eighteenth Century Maritime Cultural Landscape of St. Croix, U.S.V.I.*

Werthan, Samuel. (MS in Progress) Working Title: *The Evolution of Structural Supports on Clipper Ships During the 1850s*

Zak, Claire (MA 2021) Title: *Mattanza Tuna Fishing Vessels of Portopalo, Sicily: Photogrammetry and 3D Modeling*.

Committee Member

Baaske, Benjamin (PhD 2022) Title: *Between Measure and Meaning: Exploring Expressions of 'Third Table' Emergence in Digital Cultural Objects*

Boyle, Patrick (PhD in progress). Title: TBD

Carris, Dana (MS 2022) Title: *Maritime History of Skaneateles Lake, NY*

Clyburn, Meagan (MS in progress). Title: TBD

Dempsey, Annaliese (MA 2020, PhD in Progress) MA Title: *Reconstructing the Rig of Queen Anne's Revenge*. PhD Title: *Reconstructing the Hull and rig of Queen Anne's Revenge*

Farrar, Joshua (2020) Title: *The Milam Street bridge Artifact Assemblage: Unravelling a Mystery*. PhD Dissertation, Texas A&M University.

Kapahnke, Sheri (MS 2020) Title: *Applying Optical Spin Luminescence to an Archaeological Site Under Water*. MS Thesis, Texas A&M University.

Lewis, Michael (MS 2021) Title: *Digital 3D Reconstruction of British 74-Gun Ship-of-the-Line, HMS Colossus, from its Original Construction Plans*.

Prince, Katherine (MS in progress). Title: TBD

Sasaki, Randall (PhD 2019) Title: *The History, Present, and Future of Underwater Cultural Heritage Management in Japan*. PhD Dissertation, Texas A&M University.

Publications

Peer Reviewed Papers

Casimiro, T. Dostal, C. Castro, F. Almedia, A. Magalhaes, I, Teixeira, E. Frias-Bulhosa, E. 2024. Metal objects were much desired. A 16th-century shipwreck cargo off the coast of Esposende (Portugal) and the importance of studying ship cargos. *Journal of Maritime Archaeology*. Vol 19, 23-40.

Dostal, C.
2023. X-Ray fluorescence as a method of characterizing inorganic pigment patterns in the work of Julian Onderdonk. *Heliyon*, 9(10)

Kennedy, C and Dostal, C
2023. Note de recherche. Shipwrecked at Land's End: The Gaspé Maritime Archaeology Project 2022 Field Season. *Archéologiques*. June 2023, No. 36, p. 17-33.
<https://doi.org/10.7202/1100143ar>.

Grieco, G, Fix, P, Kennedy, C, Herbst, J, Shultz, L, Borrero, R, and Christopher Dostal
2020. The Documentation and Reconstruction of an 18th Century Wooden Ship from Alexandria, VA. *Digital Application in Archaeology and Cultural Heritage*. March 2020, Vol. 16.
<https://doi.org/10.1016/j.daach.2020.e00136>. [Note: I am the lead researcher and first author on this paper, but was misattributed by the journal.]

Dostal, C, and Yamafune, K
2018. Photogrammetric Texture Mapping: A Method for Increasing the Fidelity of 3D Models of Cultural Heritage Materials. *Journal of Archaeological Science: Reports*. April 2018, Vol. 18 p. 430-436

Castro, F, Bendig, C, Berube, M, Budsberg, N, Dostal, C, Monteiro, A, Smith, C, Torres, R, and Yamafune, K
2017. Recording, Publishing, and Reconstructing Wooden Shipwrecks. *Journal of Maritime Archaeology*. April 2018. Vol. 13, p. 55-66. doi.org/10.1007/s11457-017-9185-8

Book Chapters

Castro, F, and Dostal, C
2020. Computer Graphics for Archaeology. In: *Visual Computing for Cultural Heritage*. Liarokapis F, Voulodimos A, Doulamis N, Doulamis A, editors. Springer Series on Cultural Computing. Springer, Cham. [Responsible for 50% of the research, and 25% of manuscript preparation]

Reports

Dostal, C
2022. Assessment Report of the Ses Fontanelles 3rd-Century CE Shipwreck. For Dr. Miguel Ángel Cau Ontiveros, Univeritat de Barcelona.

Dostal, C, and Smith, M

2015. Analysis of Rock Art Panels at Big Bend Ranch State Park by Means of X-Ray Fluorescence. For Texas Parks and Wildlife Division. [Responsible for 75% of the research, and 75% of manuscript preparation]

Dostal, C

2015. X-Ray Fluorescence Analysis Report for the Examination of a Collection of Julian Onderdonk Paintings. Report for James and Kimel Baker, Art Historians

Works Submitted and in Review

Dostal, C.

A Sealed Fate: An Examination of a Wax Jack from Port Royal Jamaica, ca. 1692 CE. *Historical Archaeology*. Accepted with Revisions September of 2023.

Dostal, C.

Boats in and Out of the Water: Challenges and Experiences. Submitted as a chapter for the forthcoming book *The Late Roman Wreck of Ses Fontanelles*. Edited by Darío Bernal-Casasola, Miguel Ángel Cau Ontiveros, Jaume Cardell Perelló, y Enrique García Rianza. Submitted February 2023. Accepted, due for press some time in 2024.

Dostal, C and Dempsey, A.

Laser Scanning and 3D Printing Long-Buried Ships as a Method for Public Engagement and the Preservation of Data in Alexandria, VA. Submitted to *Endeavour* in October of 2022. Under Review.

Dostal C

Waterlogged Wood. Submitted as a chapter for *Scientific Methods and Cultural Heritage*, 2nd edition. Edited by Gilberto Artioli. Submitted September 2021. Accepted, due for press in 2023.

Dostal, C

TBD. The Navigational Instruments of the Monterrey A Shipwreck. Submitted April 2018 to a yet-untitled book summarizing the Monterrey A shipwreck.

Competitive Contracts, Grants, and Financial Support

Grants and Contracts Awarded

Dostal, C and Kennedy, C.

2024. The Philadelphia Gunboat Research Initiative. Grant awarded by the Institute of Nautical Archaeology, \$5,000.

Dostal, C

2024. Conservation of a Cannon for the Kennesaw National Battlefield, Kennesaw, GA. \$6589.

Dostal, C.

202e. Modification of the Construction of Two Models of the Revolutionary War Schooner Royal Savage. Contract awarded by the US Naval History and Heritage Command, \$92, 684.

Dostal, C.

2023. Conservation of Cannon Cluster Site Artifacts, Savannah Harbor Expansion Project, Savannah, Georgia. Contract under Review by the Coastal Heritage Society, Savannah GA, \$106,428.

Dostal, C

2022. Savannah Harbor Expansion Project. Contract from Commonwealth Heritage Group and the Department of Defense US Army Corps of Engineers, \$162,245.00.

Dostal, C.

2022. Construction of Two Models of the Revolutionary War Schooner Royal Savage. Contract awarded by the US Naval History and Heritage Command, \$214,529.

Fix, P, and Dostal, C

2022. Preserving the World Trade Center Ship. Award Number: M1601276. Contract from the Lower Manhattan Development Commission, \$299,713.

Dostal, C

2021. Artifact Conservation for the Texas Historical Commission Historic Sites Division. Contract from the Texas Historical Commission, \$60,000.

Dostal, C

2021. DOD Army Corp of Engineers Award #M1801368: Conservation of CSS *Georgia* Artifacts. Contract from the United States Army Corp of Engineers, Savannah District, \$189,953

Dostal, C

2021. Conservation of a Mastodon Leg Bone. Contract from Galveston County Museum, \$1,200.

Dostal, C

2021. 3D Modelling of the Louisiana Dugout Canoe. Contract from the State of Louisiana, \$3,500.

Kennedy, C, and Dostal, C

2020. The 2020 Gaspe Bay Archaeological Project. Grant awarded by the Institute of Nautical Archaeology, \$10,000. *Note: Project was executed in 2022 due to Covid-19 travel restrictions.*

Fix, P, and Dostal, C

2020. Assessment of Curtiss SC2C-4E Helldiver from Cape Poge. Awarded from New South Associates and United States Army Corp of Engineers, \$145,293.

Fix, P, and Dostal, C

2019. Laser Scanning and Modeling - Conservation of Ship Excavated at 220 South Union Street (44AX229), Alexandria, VA. Modification I, awarded from Alexandria Archaeology, a division of the Office of Historic Alexandria, \$299,998.

Kennedy, C, and Dostal, C

2018. Gaspe Bay Survey Project. Discovery Fund Grant awarded by the Institute of Nautical Archaeology, \$7,000.

Hamilton, D, and Dostal, C

2018. Castillo de San Marcos and Fort Matanzas National Monuments Metals Preservation and Conservation Project. Award# M1801880, from the National Park Service, \$458,208 (assumed role of PI upon Donny L. Hamilton retirement, 2020).

Grants and Contracts Transferred from Another PI

Dostal, C

2020. Various Metal Artifact Conservation. Award# M1503772 from the Texas Historical Commission, Transferred award amount: \$27,204 from Donny L. Hamilton (original award year, 2019; original award amount \$60,000).

Dostal, C

2020. Conservation of CSS *Georgia* Artifacts. Award# M1801368 from the United States Army Corp of Engineers, Savannah District. Transferred award amount: \$370,845 (original award, 2018, \$331,846; modification 1, 2018, \$123,375; modification 2, 2019, \$961,231) (Dostal independently prepared, reviewed, and managed modification 2 in 2019, despite Hamilton being listed as PI).

Dostal, C, and Fix, P

2020. Red River Dugout Canoe Agreement. Award# M1803022 from the State of Louisiana. Transferred award amount: \$46,233, from Donny L. Hamilton (original award year, 2018; original award amount, \$156,571).

Fix, P, and Dostal, C

2020. Conservation of Ship Excavated at 220 South Union Street (44AX229) Alexandria, VA - Phase III. Award #: M1701521 from Alexandria Archaeology, a division of the Office of Historic Alexandria. Transferred award amount: \$153,400 from Donny L. Hamilton (original award year, 2017; original award amount, \$366,581).

Fix, P, and Dostal, C

2020. Preserving the World Trade Center Ship. Award #: M1601276 from the Lower Manhattan Development Commission. Transferred award amount: \$261,100, from Donny L. Hamilton (original award year, 2016; original award amount, \$400,000).

Invited Lectures

A City Built on Ships: Reconstructing The 18th-Century Ships Excavated from The Waterfront of Alexandria, VA. Lecture for Alexandria Archaeology, Alexandria, VA. October 26th, 2022.

The Conservation of Wood Vessels at the Conservation Research Laboratory at Texas A&M University. Lecture for the International Expert's Meeting on the Extraction and Conservation of the Phoenician Wreck *Mazarron 2*. Barcelona, Spain. May 6th, 2022.

Conservation of Waterlogged Archaeological Material. Invited lecture for the Conservation and Restoration Activity Committee, Universiteit van Amsterdam. February of 2022.

An Overview of Conservation of Archaeological Materials from Underwater Sites. Lecture for Intro Conservación de Bienes Culturales y Arqueológicos, for Centro Universitario Regional del Este - UdelaR. Maldonado, Uruguay. Invited by Dr. Rodrigo de Oliveira Torres, for Centro de

Investigaciones del Patrimonio Costero (CIPAC), del Centro Universitario Regional del Este (CURE), Uruguay. November 19th, 2021

Current Projects at the Conservation Research Laboratory. Lecture for the Institute of Nautical Archaeology Board Meeting, Williamsburg VA. October 15th, 2021.

A City Built on Ships: Reconstructing The 18th-Century Ships Excavated from The Waterfront of Alexandria, VA. Lecture for the Brazoria County Historical Museum. October 7th, 2021.

Introduction to Nautical Archaeology (2-part lecture). Lecture for the Osher Lifelong Learning Institute at Johns Hopkins University. August 10th and 12th, 2021.

Between Science, History, and Art: Reconstructing the 18th-Century Ships Excavated from the Waterfront of Alexandria, VA. Lecture for Cultural Heritage 360 Arts & Humanities Workshop, Durham University. April 29th, 2021.

Reconstructing the 18th-Century World Trade Center Ship. Lecture for the Chicago Society of the Archaeological Institute of America. April 9th, 2021.

A City Built on Ships: Reconstructing The 18th-Century Ships Excavated from The Waterfront of Alexandria, VA. Lecture for the Toledo Society of the Archaeological Institute of America. March 19th, 2021.

The Conservation of Waterlogged Archaeological Material. Lecture for Global Maritime Archaeology. Invited by Prof. Timmy Gambin, Department of Classics and Archaeology, University of Malta. May 1st, 2020.

The Alexandria Ship Project. Lecture for Global Maritime Archaeology. Invited by Prof. Timmy Gambin, Department of Classics and Archaeology, University of Malta. April 24th, 2020.

Digitizing Shipwrecks: Documenting and Conserving the WTC and Alexandria, VA shipwrecks. Lecture for the Texas A&M Anthropology Society. College Station, TX. November 12th, 2018.

Conservation in Nautical Archaeology. Lecture for the 2018 Nautical Research Guild annual meeting. Las Vegas, NV. October 27th, 2018.

A Shipwreck Ashore: Documenting and Conserving the 18th-Century World Trade Center Shipwreck. Lecture for the 2018 Institute of Nautical Archaeology Board Meeting. Vancouver, BC. October 9th, 2018.

Introduction to Archaeological Conservation. Lecture for MES 372/APY 340: Sunken Ships and Submerged Cities: An Introduction to Underwater and Maritime Archaeology. Invited by Dr. Frederick Hanselman, Department of Anthropology, University of Miami. March 2nd, 2017.

Introduction to 3-D Printing. Lecture for the College Station, TX community outreach program 'Computer Club for Seniors'. College Station, Texas May 3rd, 2017.

The Conservation of Waterlogged Cultural Heritage Material. Lecture for the symposium 'Infraestructuras para la conservación del patrimonio cultural subacuático' at the University of Externado in Bogota, Columbia. June 7th, 2016.

Technology in Conservation: The Shift toward a New Standard in Archaeological Documentation. Lecture for the Nautical Archaeology Program Shipwreck Weekend. Texas A&M University, College Station, TX. April 12th, 2014.

Conservation on the Gnalic Project. Lecture for the Nautical Archaeology Program Brownbag Talks, Texas A&M University, College Station, TX. November 19th, 2013

Rum-Running on the Great Lakes: Maritime Smuggling in the Time of Prohibition. Lecture for the Texas A&M Anthropological Society, College Station, TX. September 2013.

Conferences

Conference Symposia Organized

Dostal, C
2024. *The Conservation of Materials from Underwater Sites.* Society for Historical Archaeology. Oakland, CA.

Dostal, C
2023. *Ex-Situ Conservation.* International Symposium for the Conservation of Underwater Archaeology. Formentera, Spain.

Nayling, N, Dostal, C, and Auer, J.
2023. *Digital Approaches in Nautical Archaeology.* Society for Historical Archaeology. Lisbon, Portugal.

Dostal, C
2022. *Current Research in the Conservation Research Laboratory at Texas A&M University.* Society for Historical Archaeology. Philadelphia, PA.

Dostal, C
2020. *Current Research in the Conservation Research Laboratory at Texas A&M University.* Society for Historical Archaeology. Boston, MA.

Dostal, C
2017. *The Application of Traditional and Innovative Documentation Techniques in Nautical Archaeology.* Society for Historical Archaeology. Fort Worth, TX.

Hamilton, D, and Dostal, C
2017. *Current Projects at the Conservation Research Laboratory at Texas A&M University.* Society for Historical Archaeology. Fort Worth, TX.

Dostal, C, and Lickliter-Mundon, M
2016. *Visualization Tools for 3D Modelling Archaeological Sites and Artifacts.* Society for Historical Archaeology. Fort Worth, TX.

Dostal, C
2014. *Conservation for Underwater Archaeology.* Society for Historical Archaeology. Quebec City, Quebec, Canada.

Conference Presentations

Dostal, C.

2024. Post-Conservation Carbonate Blooms on a Bronze Cannon from the Alamo. In the Session *The Conservation of Materials from Underwater Sites*. Society for Historical Archaeology.

Dostal, C

2023. Shipwrecked in Texas: 25 Years of Wooden Hull Conservation at the Conservation Research Laboratory at Texas A&M University. In *Ex Situ Conservation*. International Symposium for the Conservation of Underwater Archaeology. Formentera, Spain.

Dostal, C.

2023. Laser Scanning as a Methodology for the Recording and Reconstruction of Archaeological Ships. In the Session *Digital Approaches to Nautical Archaeology*. Society for Historical Archaeology. Lisbon, Portugal.

Dostal, C

2022. Current Projects at the Conservation Research Laboratory. In the session: *Current Research in the Conservation Research Laboratory at Texas A&M University*. Society for Historical Archaeology. Philadelphia, PA.

Dostal, C

2020. Current Projects at the Conservation Research Laboratory. In the session: *Current Research in the Conservation Research Laboratory at Texas A&M University*. Society for Historical Archaeology. Boston, MA.

Kennedy, C, and Dostal, C

2020. Gaspé Bay Shipwreck Survey. In the session: *Underwater Archaeological Surveys and Technology*. Society for Historical Archaeology. Boston, MA.

Dostal, C

2019. Public Engagement at the Conservation Research Laboratory. In the session: Shipwrecks and the Public: Getting People Engaged with their Maritime History. Society for Historical Archaeology. St. Charles, MO.

Dostal, C

2018. Laser Scanning as a Methodology for the Documentation and Interpretation of Archaeological Ships: A Case Study Using the 18th Century Ship from Alexandria, VA and the 18th Century Ship Found Below the World Trade Center in New York. In the session: *Remote Sensing and Mapping in Underwater Archaeology*. Society for Historical Archaeology. New Orleans, LA.

Dostal, C

2017. The 3D Digitization of the World Trade Center Wreck. In the session: *The Application of Traditional and Innovative Documentation Techniques in Nautical Archaeology*. Society for Historical Archaeology. Fort Worth, TX.

Yamafune, K, and Dostal, C

2017. Photogrammetric Texture Mapping: A Methodology of Applying Photorealistic Textures on Scanned Dense Point Cloud Data. In the session: *The Application of Traditional and Innovative Documentation Techniques in Nautical Archaeology*. Society for Historical Archaeology. Fort Worth, TX.

Tsai, G, and Dostal C
2017. Seventeenth Century Shipboard Beer: An Experimental Archaeology Approach on Brewing Old Recipes Accurately. In the session: *Ships Stories and New Discoveries*. Society for Historical Archaeology. Fort Worth, TX.

Dostal, C, and Yamafune, K
2016. High Fidelity Artifact 3-D Modeling: Marrying the Accuracy of Photogrammetric Textures to the Precision of Laser Scanned 3D Models. In the session: *Cyberarchaeology: Simulations, Massive Data and Beyond*. World Archaeological Congress. Kyoto, Japan.

Dostal, C
2016. 3D Digitization of Archaeological Artifacts in Conservation. In the session: *Visualization Tools for 3D Modelling Archaeological Sites and Artifacts*. Society for Historical Archaeology. Washington D.C.

Dostal, C
2016. The Monterrey Shipwrecks: Current Research Findings. In the session: *"Hazard a Turbulent Sea:" Marine Archaeology in the Gulf of Mexico - Examining 500 Years of Exploration and Exploitation, Part 1*. Society for Historical Archaeology. Washington D.C.

Dostal, C and Smith, M
2015. X-Ray Fluorescence Analysis of Rock Art in Big Bend Ranch State Park, Presidio and Brewster Counties, TX. In the session: *New Methods in Rock Art Research*. Texas Archaeological Society. Houston, TX.

Dostal, C and Borgens, A
2015. The Conservation of the Monterrey A Artifacts. In the session: *The Monterrey Shipwreck Project: Three Early 19th Century Wrecks In The Northern Gulf Of Mexico*. Society for Historical Archaeology. Seattle, WA.

Dostal, C
2014. *Assessing the Long-Term Stability of Underwater Archaeological Conservation Techniques*. In the session: *Conservation for Underwater Archaeology*. Society for Historical Archaeology. Quebec City, Quebec, Canada.

Field Experience

July 2024- Ongoing

Philadelphia Gunboat Research Initiative

Co-directed a remote sensing survey and metal detecting survey of the site of the Battle of Valcour Island, a naval engagement during the US Revolutionary War (1776).

July 2022 – Aug 2022

Gaspe Maritime Archaeology Project

Co-directed a remote sensing survey and shipwreck excavation in the Gaspe Bay in Eastern Quebec, Canada with Dr. Carolyn Kennedy.

Apr 2022 – Apr 2022

Museo do Mar de Galicia

Established a conservation facility to conserve metal artifacts from underwater archaeological sites at the Museu do Mar de

Galicia in Vigo, Spain. The lab is currently conserving bronze cannon from a 16th century CE Spanish Galleon in Ribedeo, Spain.

Feb 2022 – Feb 2022

Ses Fontanelles 3rd- Century CE Shipwreck

Assessed the condition of the hull of a 3rd century Roman shipwreck in Mallorca, Spain and provided a report of recommendations for excavation, conservation, display, and curation.

Aug 2019 – Aug 2019

Gaspe Bay Survey Project

Co-directed the first season of a planned multi-year investigation of the maritime history of the Gaspé region of Quebec. The 2019 season consisted of extensive remote sensing along the bay and the identification of several potential targets for future examination, including a submerged wooden construction historic period structure.

July 2019 – July 2019

Mazzaron Shipwreck Project, Spain

In July of 2019 I travelled to Spain to consult with Dr. Carlos De Juan on the excavation and conservation of the Mazzaron II Phoenician shipwreck.

June 2019 – June 2019

Marzamami Maritime Heritage Project, Italy

The Marzamami project is largely focused on the excavation of a 6th century CE Roman Shipwreck along the southern coast of Sicily. In 2019 I visited the project to advise on the conservation of the artifacts that had been raised in the previous seasons, and to work with Claire Zak to document and study *matanza* fishing vessels, historically used for tuna fishing.

June 2019 – June 2019

Last Schooner Project, Ontario

Working with NAP students Ben Ioset and TJ Frizzel, we used an ROV to record the 19th-century wreck of *Katie Eccles*, one of the last sailing schooners on Lake Ontario. The ROV captured HD video of the wreck, which was used to create a 3D photogrammetric model. This research is part of Ben Ioset's dissertation project.

Oct 2018 – Oct 2018

TBD Devastator Project, Jaluit, Marshall Islands

With the long-term goal of raising and conserving a WWII-era torpedo bomber, TBD Devastator 6, I participated in a reconnaissance project in which we travelled to the Marshall Islands atoll of Jaluit to photo-document, 3D model, and assess the physical condition of the plane to plan the appropriate method of excavation and conservation.

June 2018 – June 2018

Castillo de San Marco National Historic Site Metals Preservation Project

In preparation for the conservation of 25 cast-iron historical cannon from the Castillo de San Marco National Monument

and Fort Matanzas National Park, I supervised the removal of the first 11 cannon from the Castillo de San Marco via barge crane and the shipment of the cannon to the Conservation Research Laboratory in Texas.

July 2017 – July 2017

Alexandria, VA 18th-Century Ship Project

In preparation for the conservation and documentation of the 18th-century ship found in Alexandria, VA, I worked to document, prepare, pack, and ship hundreds of fragile, degraded timbers from Alexandria to Texas, where I am currently supervising the laser-scanning and 3D modeling of each timber.

July 2015 – August 2015

***Belinho I* Project, Portugal**

For the *Belinho I* project, I worked as conservation consultant for the project and the local museum conservation labs to help preserve the artifacts and timbers excavated from a late 16th- / early 17th-century Iberian shipwreck.

June 2014 – July 2014

June 2013 – August 2013

Gnalic Project, Croatia

I worked as the head conservator for the 2013 and 2014 field seasons of the Gnalic project, the excavation of a Venetian merchant ship that wrecked off of the Croatian coast during the 16th-century. Responsibilities including underwater site mapping, assessment and treatment of materials excavated in these and previous seasons, creating and maintaining a comprehensive artifact inventory, the organization of conservation facilities and procedures, as well as excavation of the wreck itself.

June 2012 – August 2012

Aucilla River Prehistory Project, FL

I helped excavate an underwater Paleoindian Native American site in the Aucilla River near Tallahassee, Florida through the Center for the Study of the First Americans at Texas A&M. During the season I gained black-water excavation experience, and worked extensively on the maintenance and repair of surface air supply engines and water-dredge pumps.

June 2010 – July 2010

University of Colorado Archaeological Field School, NE

During my undergraduate preparation, I worked on a prehistoric Native American site, excavating a ceramic production site located near the Pine Ridge of Northwest Nebraska. During the field season, we discovered pottery, stone tools, bone tools, bone beads, and floral and faunal food remains. It was during this field school that I became familiar with terrestrial excavation and surveying techniques.

Service Roles

Faculty Advisor, Archaeological Dive Club, Texas A&M University, 2023-present.

Head, Archaeological Diving Control Board, Texas A&M University, 2022-present.

Director, Center for Maritime Archaeology and Conservation, Department of Anthropology, Texas A&M University. 2020-present.

Non-Voting Member, Executive Committee, Department of Anthropology, Texas A&M University. 2020-present.

Member, Climate and Inclusion Committee, Department of Anthropology, Texas A&M University. 2020-2022.

Member, Department Head Search Committee, Department of Anthropology, Texas A&M University. 2020-2022.

Consulting Conservator, Mazarrón Shipwreck Project, Murica, Spain. 2018-present.

Member, Archaeological Diving Control Board, Texas A&M University, 2018-2022.

Historical Beer Consultant, Ship Biscuit and Salted Beef Research Project, Institute of Nautical Archaeology project, 2017.

Consulting Conservator, *Belhino I* Project, Divisão de Ação Cultural, Esposende, Portugal, 2016-2022.

Vice President/ Treasurer, Nautical Archaeology Student Association, Texas A&M Department of Anthropology, Fall 2013-Spring 2016.

Head, Shipwreck Weekend Planning Committee, Texas A&M Department of Anthropology, 2014

Treasurer, Archaeological Dive Club, Texas A&M University Fall 2012-Spring 2013.

Editor, Center for Maritime Archaeology and Conservation News and Reports, Texas A&M University, Spring 2013-Fall 2016.