

Sujin Kim, Ph.D.

University of Florida | Historic Preservation Program | School of Architecture
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Academic Appointments

Assistant Scholar , Historic Preservation Program / School of Architecture Director of Envision Heritage and Envision Lab University of Florida College of Design, Construction and Planning	2021
Postdoctoral Associate , Historic Preservation Program / Envision Heritage University of Florida College of Design, Construction and Planning	2019 - 2020
Graduate Research Assistant , Historic Preservation Program / Envision Heritage University of Florida College of Design, Construction and Planning	2015 - 2018

Education

Doctor of Philosophy (Ph.D.)	University of Florida College of Design, Construction and Planning Dissertation: <i>Shifting the Paradigm of Heritage Conservation Practice through 3D Terrestrial Laser Scanning</i>	Historic Preservation	2018
Master of Science	University of Texas at Austin School of Architecture	Historic Preservation	2014
Master of Architecture	University of Texas at Austin School of Architecture	Architecture	2013
Bachelor of Architecture	Dankook University , South Korea College of Architecture	Architecture (five-year)	2010

Training Workshops Participated

Wood Identification. 2020. Foundation for Advancement in Conservation & U.S. National Center for Preservation Technology and Training, Houston, TX, February 26-28.

3D Imaging for Heritage Projects. 2015. Preservation Institute Nantucket & U.S. National Center for Preservation Technology and Training, Nantucket, MA, July 13-31.

Sponsored Projects Management Experience

Building Documentation: 3D Laser Scanning + Architectural Drawing

International	Georgetown City Hall, Guyana	2017 - 2018
Massachusetts	Various Residences and Institutional Buildings, Nantucket	2015 - 2019
New York	Seamen's House (Bayview Correctional Facility), Manhattan	2019
	Steinway Hall's Interiors, 57th Street, Manhattan	2016
	Dime Savings Bank's Exterior, Brooklyn	2015
Florida	Various Residences, Gainesville	2020
	Norman Hall (UF College of Education), Gainesville	2017

Material Condition Assessment Base Mapping + 3D Building Laser Scanning

International	Wat Chaiwatthanaram, Ayutthaya, Thailand	2014 - 2016
New York	J.P. Morgan Library McKim Building's Exterior, Manhattan	2017
	John Bowne House, Flushing	2017

GIS Database: Heritage Inventory, Survey, and Archival Resource Management

Massachusetts	Nantucket National Historic Landmark District – Approx. 980 historic properties	2019 - 2020
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Topographical Mapping for Drainage Improvement + 3D Building Laser Scanning

International	Shwe-Nandaw Kyaung, Mandalay, Myanmar	2014 - 2016
	Wat Chaiwatthanaram, Ayutthaya, Thailand	2014 - 2016
	Ishtar Gate Archaeological Site, Babylon, Iraq	2015

Landscape and Archaeological Site: 3D Laser Scanning + Photogrammetry

Florida	Confederate Monument (before relocation), St. Augustine	2020
	Nombre de Dios Archaeological Site, St. Augustine	2018 - 2020
	Vizcaya Museum and Gardens (various structures), Miami (Stone Barge drawing listed on <i>Historic American Landscapes Survey</i> (FL-27-A), 2018)	2017 – 2019

Historic Urbanscape Documentation: 3D Laser Scanning

International	Roebuck Street, Bridgetown, Barbados	2016
Massachusetts	Various Streets, Nantucket	2015 - 2020

Grant Funded Research Experience

Sea Level Rise Impact Assessment, Urban Heritage Survey, and GIS Database

St. Augustine Town Plan National Historic Landmark District & Flood Mitigation 2020
Funded by National Park Service + City of St. Augustine - \$98,000 + \$100,000 - 2021
Postdoctoral Associate (PI: Morris Hylton III)

Envision Cedar Key: Sea Level Rise Adaptation Planning Tool (Phase II) 2020
Funded by Florida Division of Historical Resources - \$48,000 - 2021
Co-Principal Investigator (PI: Morris Hylton III)

Resilient Cedar Key: Digital Flood Vulnerability Assessment (Phase I) 2018
Funded by Florida Division of Historical Resources - \$45,250 - 2019
Research Assistant (PI: Morris Hylton III & Co-PI: Kathryn Frank)

Resilient Nantucket: 3D Digital Documentation and Sea Level Rise Visualization 2018
Funded by Massachusetts Coastal Zone Management - \$75,000 + Sponsors - 2019
Research Assistant (PI: Morris Hylton III)

Urban Heritage Study

Urban Heritage of Koreatowns in the United States: Comparative Analysis of NY and LA Korean Commercial Districts' Place Image and Identity 2021
Academy of Korean Studies - \$12,600 - 2022
Principal Investigator (Co-PI: Myengsoo Seo)

Historic Building and Neighborhood 3D Documentation for Managing Change

City of Fernandina Old Town Design Guidelines 2020
Funded by Florida Division of Historical Resources - \$48,000 - 2021
Co-Principal Investigator (PI: Morris Hylton III)

Sanford Civic Center (1958) Documentation (for rehabilitation planning) 2020
Funded by Florida Division of Historical Resources - \$9,500 - 2021
Co-Principal Investigator (PI: Morris Hylton III)

Landscape and Material 3D Imaging, Assessing, Inventorying, and Mapping

Nantucket's Historic Streetscape (brick sidewalks) Preservation Master Plan 2020
Funded by Nantucket Preservation Trust - \$42,500 - 2022
Postdoctoral Associate (PI: Morris Hylton III)

Bethlehem Methodist Episcopal Cemetery (African American), Archer, FL, Conservation Plan (for gravestones and unidentified burial grounds) 2020
Funded by Florida Division of Historical Resources - \$12,500 - 2021
Postdoctoral Associate (PI: Morris Hylton III)

Peer-Reviewed Journal Articles

Sujin Kim and Morris Hylton III. 2020. "A Pedagogical Framework for Integrating Laser Scanning into Traditional Built Heritage Documentation Coursework." *Journal of Preservation Education and Research* 12: 71-95. <https://doi.org/10.5749/preseducrese.12.2020.0071>.

Myengsoo Seo and **Sujin Kim***. 2020. "History and Fundamentals of Historic Preservation Education in the United States." *The Journal of the Korean Institute of Educational Facilities* 27 (2): 21-34. (*corresponding author).

Journal Articles under Review/Revision

Morris Hylton III and **Sujin Kim***. "Sea Level Rise Modeling, Cultural Resource Survey, and Impact Assessment for Historic Coastal Communities: An Integrated Approach Using Digital Technologies." *Association for Preservation Technology (APT) Bulletin*. Special Issue: Disaster Mitigation. (*corresponding author). (under review).

Research in Progress

Sujin Kim, Simeon Warren, Morris Hylton III, and Lisha Chen. "Heritage Building Craft in the Era of Digital Documentation and Fabrication: Comparative Analysis of New York Steinway Hall and Miami Vizcaya Pool Grotto's Ornamental Plaster Reproduction Studies." (manuscript in progress).

Myengsoo Seo and **Sujin Kim**. "Rethinking the Sustainable Preservation of Modern Colonial Heritage for Urban Regeneration in South Korea: A Case Study of Incheon Art Platform." (data collection, including interviews and field analysis, in progress).

U.S. National Register of Historic Places Designations (Architectural History Research)

Sujin Kim and Robert Jones. 2016. "Fountain of Youth Archaeological Park." 1920s tourist place, 11 Magnolia Avenue, St. Augustine, Florida. (District, 16 contributing & 23 noncontributing structures, Criteria A & C, National Register ID: 16000361). Listed June 13, 2016.

Sujin Kim and Carlyn Hammons. 2014. "Walsh, James M. and Leana B., House." 1920s Mission Revival style residence, 3701 Bonnie Road, Austin, Texas. (Building, Criterion C, National Register ID: 13001160). Listed February 5, 2014.

Peer-Reviewed Conference Papers

Sujin Kim and Morris Hylton III. 2016. "Laser Scanning: The Transformation of Architectural Practice through 3D Imaging." In *Architectural Research Addressing Societal Challenges: Proceedings of the 10th International Conference of the European Association for Architectural Education (EAAE) and Architectural Research Centers Consortium (ARCC), Lisbon, Portugal, June 15-18, 2016*. pp. 817-822.

Conference Podium Presentations

Sujin Kim and Morris Hylton III. 2019. "Flood Vulnerability Assessment and Visualization for Historic Coastal Communities: Cedar Key, Florida and Nantucket, Massachusetts." *Annual Conference of Association for Preservation Technology International (APT), Miami, Florida, November 19-23, 2019*. Abstract.

Sujin Kim (on behalf of Morris Hylton III). 2019. "Resilient Nantucket: Digital Documentation and Sea Level Rise Vulnerability Assessment of a Historic Coastal Community." *National Council for Preservation Education Conference, Denver, Colorado, October 12, 2019*.

Sujin Kim and Morris Hylton III. 2017. "Application of 3D Digital Documentation to Architectural Heritage Conservation." *Florida Trust for Historic Preservation Conference, St. Petersburg, Florida, May 18-20, 2017*.

Sujin Kim and Morris Hylton III. 2017. "Shifting the Paradigm of Heritage Conservation Education through 3D Imaging Technologies." *The National Center for Preservation Technology and Training 3D Digital Documentation Summit, New Orleans, Louisiana, April 18-20, 2017*. Full paper.

Sujin Kim. 2015. "3D Documentation for the Management of Heritage Sites Prone to Water Damage: Laser Scanning and Mesh Modeling the Built Heritage and Contexts of Wat Chaiwatthanaram, Thailand and Shwe-Nandaw Kyaung, Myanmar." *Annual Conference of Association for Preservation Technology International (APT), Kansas City, Missouri, November 1-5, 2015*. Abstract. Received APT Student Scholarship. Academic advisor: Morris Hylton III.

Poster Presentations

Lisha Chen and **Sujin Kim**. 2017. "Combining Terrestrial Laser Scanning with Close Range Photogrammetry to Document Vizcaya Barge." *The National Center for Preservation Technology and Training 3D Digital Documentation Summit, New Orleans, Louisiana, April 18-20, 2017*.

Sujin Kim. 2016. "Expanding the Use of 3D Laser Scanning for Heritage Management: Four Types of Solid Surface Modeling from Point Cloud." *UF College of Design, Construction and Planning Research Symposium, January 28, 2016*. Academic advisor: Morris Hylton III.

Teaching Experience

Primary Instructor. **Built Heritage Documentation II** (DCP4930 / DCP6715), Spring 2021. Undergraduate / graduate course. Historic Preservation Program, University of Florida. Co-instructor: Clarissa Carr.

Primary Instructor. **Built Heritage Documentation I** (DCP6714), Fall 2018 - Present. Graduate course. Historic Preservation Program, University of Florida.

Supervised Instructor. **Built Heritage Documentation** (DCP6714), Fall 2016 - 2017. Graduate course. Historic Preservation Program, University of Florida. Supervisor: Linda Stevenson.

Workshop Instructor. **3D Imaging Field School**, Summer 2016 - 2018. Training workshop. Preservation Institute Nantucket & National Center for Preservation Technology and Training.

Guest Lecturer. **"Working in Historic Preservation with a Five-Year Bachelor of Architecture."** *Preservation and Use*, September 23, 2020. Undergraduate course. School of Architecture, Hankyong National University, South Korea. Course instructor: Myengsoo Seo.

Guest Lecturer. **"Digital Survey, Design, and Fabrication: Florida Park Swale Drain."** *Advanced Construction and Design* (LAA6525L), March 12 - April 12, 2018. Graduate course. Department of Landscape Architecture, University of Florida. Studio instructor: Kevin Thompson.

Guest Lecturer. **"3D Terrestrial Laser Scanning for Heritage Conservation."** *Digital Tools for the Arts and Humanities* (DIG6837), April 10, 2017. Graduate course. Digital Worlds Institute, University of Florida. Course instructor: Eleni Bozia.

Guest Lecturer. **"Laser Scanning Topography: Case Study of Devil's Millhopper Florida State Park."** *Architecture Design 5*, October 5, 2015. Undergraduate course. School of Architecture, University of Florida. Studio instructor: Kristen Nelson.

Materials Analysis Research Experience

Paredes-Dodge House (c. 1803) St. Augustine, Florida	Coquina limestone and wood framing structure. Co-edited historic structure report; Led field condition assessment, as part of <i>Built Heritage Documentation</i> course (DCP6714, 2017) and additional surveys (2018-19).	2017- 2019
Francis Barracks (c. 1755) St. Augustine, Florida	Coquina limestone walls exposed in interiors. Led field condition assessment, as part of <i>Built Heritage Documentation</i> course (DCP6714).	2019

Skills

3D Laser Scanning	Device Software	FARO Laser Scanner Autodesk ReCap Pro, FARO Scene
3D Point Cloud Manipulation	Software	Bentley Pointools, CloudCompare
3D Photogrammetry	Software	Agisoft Metashape
Photography	Device	DSLR camera Drone (U.S. FAA Remote Pilot, 2019 - Present)
GIS	Software	Esri ArcGIS
Wood Identification	Device	Material sectioning, Microscopic identification
Graphic Design	Image Publishing	Adobe Photoshop, Illustrator, Lightroom InDesign
Building Modeling + Drawing	Software	Rhinoceros, SketchUp, 3DsMax, AutoCAD
Others	Software	Microsoft Office