

OLGA MESALEE DAP

nuvolastudio.org

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EDUCATION

- 2015 Harvard Graduate School of Design, Cambridge, Massachusetts
Masters in Design Studies (MDes) Concentration: Technology
Graduated with Distinction
Recipient of Daniel L. Schodek for Technology and Sustainability Award for thesis titled:
"Anima Choreographed Matter"
- 2000 Rhode Island School of Design, Providence, Rhode Island
Bachelor of Architecture
Recipient of AIA Henry Adams Gold Medal for Excellence in Design

TEACHING EXPERIENCE

- 2024 - 2017 Roger Williams University (RWU), Bristol, Rhode Island
Associate Professor, Faculty School of Architecture and Historic Preservation (SAAHP)
"ARCH 214: Architectural Design Core Studio 5 Credit Undergraduate Core Studio
2019 - 2023 Coordinator 2017 & 2018 Co-coordinator with Ginette Wessel
- 2023 - 2018 Roger Williams University (RWU), Bristol, Rhode Island
Associate Professor, Faculty School of Architecture and Historic Preservation (SAAHP)
"ARCH 588 Advanced Graduate Digital Manufacturing Seminar

2023-2018 Roger Williams University (RWU) Bristol, Rhode Island
Assistant Professor, Faculty School of Architecture and Historic Preservation (SAAHP)
"ARCH 588 Advanced Graduate Digital Manufacturing Seminar" 3 credit Graduate Elective

2019-2017 Roger Williams University (RWU) Bristol, Rhode Island
Assistant Professor, Faculty School of Architecture and Historic Preservation (SAAHP)
"ARCH 587 Advanced Graduate Computer Applications Seminar" 3 credit Graduate Elective

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2014 Rhode Island School of Design (RISD) Providence, Rhode Island
Studio co-instructor and Lecturer, Faculty Department of Architecture
"Future Health Systems" 6 credit Advanced Graduate and Undergraduate Design Studio

2013 Massachusetts Institute of Technology (MIT) Cambridge, Massachusetts
Studio Instructor

PROFESSIONAL EXPERIENCE

- 2023 - Present Nuvola Studio, Inc 501 (c)3 Somerville Massachusetts
Cofounding Principal
Designed collaboratively a series of research and community projects such as Comfort Kitchen Patios, Boston, USA; Gemela Project, Copán Ruinas, Honduras; Chuspata Weaver Market, Ihuatzio, México; Pacifico Water Harvesting Pavilion, Bahía Málaga Colombia.
- 2016 - 2022 2Story Design Build, Providence, Rhode Island
Principal
Lead a series of residential and commercial projects from schematic design through construction administration.
- 2014 - Present Harvard Graduate School of Design, Cambridge, Massachusetts
Material and Performance Systems Group (MaPs)
Research Associate/Consultant
Research on material systems processes and performance of compliant composite structures and buckling structures and design of architectural applications using these materials. Research is conducted in collaboration with the Wyss Institute for Biologically Inspired Engineering.
- 2014 - 2016 Harvard Graduate School of Design, Cambridge, Massachusetts
Responsive Environments and Artifacts Lab (REAL)
Research Associate
Research on material processes and performance of buckling structures. Study and design of potential applications into architectural components.
- 2012 - 2013 Gensler Architecture, Boston, Massachusetts
Project Manager and Project Designer
Worked on a series of commercial projects from schematic design through construction documents.

2000 –2004 GenslerArchitecture, Designand PlanningWorldwide, SantaMonica, California
ProjectDesignerandProjectManager in the Building and Campuses Group”
Leadthe designandconstructionadministrationof the USLawSchoolCafé, BiolaUniversitySchool of
Theologyand WarnerBros.Studios.JuniorDesignerandJobCaptairfor the SanPedroApartmentsand 2000
Avenue ofthe Stars.Responsibilitiescoveredall phasesof the designprocessfor institutional and interior projects
includingclientmanagement, codanalysis,schematicdesign, consultantcoordination

PUBLICATIONS

2022 17th Advanced Building Skins Conference and Expo (ABS)
Mesa, O., & Fash, N. (2022). Skin as Habitat: Performance through species integration, 17th
Advanced Building Skin Conference & Expo 2021, October 2021, Bern, Switzerland, Proceedings
2022, Advanced Building Skins GmbH, pages 296-305, ISBN 978-95248833-1

2019 2019 11th Wyss Institute Retreat
Mesa O., Mhatre S., Bechthold M. "Inclined Kinematics Auxetics" [Abstract] 11th Wyss Institute
Retreat Book of Abstracts, 2019, pp. 12.

2019 2019 11th Wyss Institute Retreat
Mhatre S., Mesa O., Fernandes M., Bertoldi K., Bechthold M. "Inclined Auxetics" [Abstract]
11th Wyss Institute Retreat Book of Abstracts, 2019 , pp. 12.

2018 2018 IASS International Association for Shell and Associated Structures
Seibold, Z., Mesa, O., Stavric, M., Bechthold, M. "Ceramic Tectonics: Tile Grid Shell" (Tf -0.0o.o 0 Td6s0.6 (d)

exhibition, poster and lecture.

- 2014 Ceramics Exhibition at Office for the Arts at Harvard University
Art and Architecture pieces: "Experiments in Additive Clay Deposition: Woven Ceramics" by Olga Mesa, Heamin Kim and Jared Friedman.
- 2014 2014 Wyss Institute for Biologically Inspired Engineer Retreat
"Crease" origami robot by Olga Mesa, Malika Singh and Saurabh Mhatre featured in Retreat Exhibition.
- 2012 Re:making Architecture 2012 RISD Architecture Symposium
Work by Olga Mesa featured in exhibition and featured interview.