

Current and Past  
Industry Collaborators



# STRUCTURES & MATERIALS LAB

## OUR MISSION

Dedicated to conducting applied and fundamental testing & analysis of construction materials & structural systems. Focused on innovative and resilient solutions to promote sustainable and economic development of infrastructure. We are committed to continuous improvement of testing, services and processes to deliver quality service.



Current and Past  
Industry Collaborators





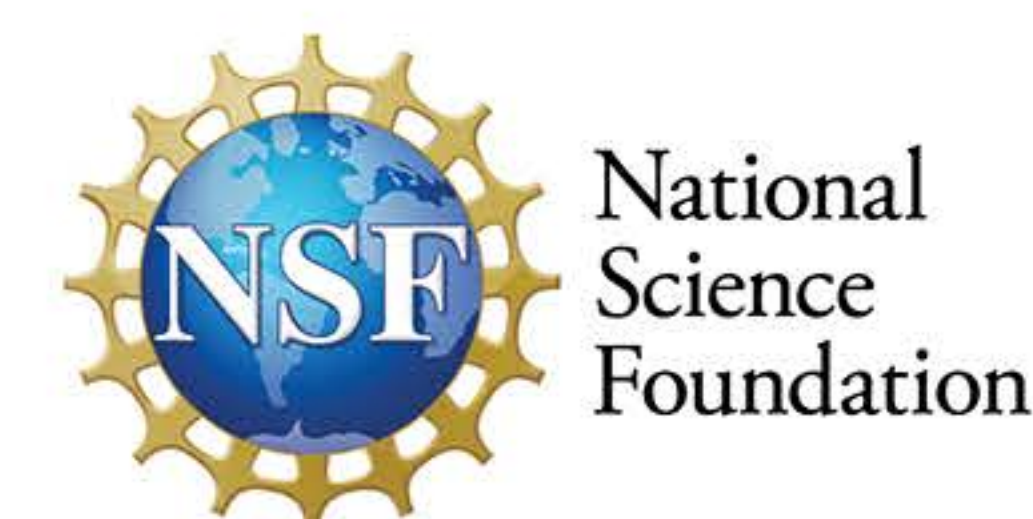


UNIVERSITY OF MIAMI  
COLLEGE of  
ENGINEERING

# STRUCTURES & MATERIALS LAB

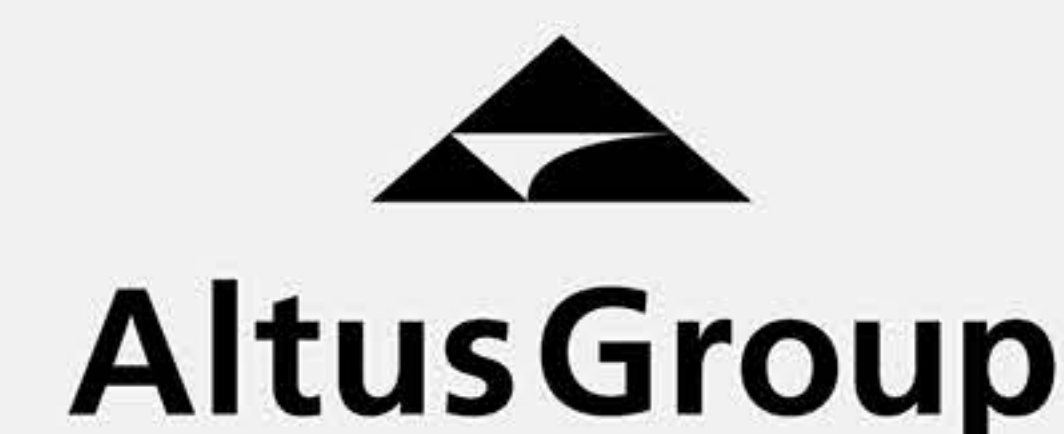
## OUR MISSION

Dedicated to conducting applied and fundamental testing & analysis of construction materials & structural systems. Focused on innovative and resilient solutions to promote sustainable and economic development of infrastructure. We are committed to continuous improvement of testing, services and processes to deliver quality service.





# Current and Past Industry Collaborators





# ABOUT US

The **University of Miami, Structures and Materials Laboratory** is dedicated to conducting both applied and fundamental research through the testing/analysis of construction materials & structural systems.

Our client-centric approach focuses on the **innovation of resilient approaches** to promote the sustainable & economic development of infrastructure.

As a unique US academic institution with dual internationally recognized **ISO 17025 accredited testing laboratory** and **ISO 17020 accredited inspection body**, we support the comprehensive evaluation and certification of building products, materials, and systems for building and infrastructure code compliance. Our commitment is to continuously improve our testing methods and the service we provide to ensure the highest level of customer satisfaction.



# CONTACT US

umsml.com  
305-284-4119  
fdecaso@miami.edu



Access our certificates and  
accredited scope:



# STRUCTURES & MATERIALS LAB



ISO 17020  
ACCREDITED  
INSPECTION BODY

ISO 17025  
ACCREDITED  
TEST LABORATORY

1251 Memorial Drive, McArthur Engineering  
Building 108, Coral Gables, FL, 33146

umsml.com  
305-284-4119  
fdecaso@miami.edu



UNIVERSITY OF MIAMI  
**COLLEGE of  
ENGINEERING**



# STRUCTURES & MATERIALS LAB CORE CAPABILITIES



## TEST LABORATORY

As one of the few accredited US academic university laboratories certified by the International Accreditation Service (IAS), we specialize in International Building Code (IBC) compliance testing adhering to the ISO/IEC 17025 international standard. Additionally, we conduct product approval and project testing as an approved laboratory by the Florida Department of Transportation (FDOT).

## INSPECTION

As an internationally accredited inspection body in accordance with the ISO/IEC 17020 standard, we specialize in inspection of concrete, masonry, and composite (FRP) materials and structures, as well as sampling, manufacturing processes, material manufacturing processes, building conditioning assessment, and special inspections. Our expertise extends to both new and existing infrastructure, and we possess the capability to offer recommendations for repairing and strengthening of deficient structures.

## RESEARCH & DEVELOPMENT

The applied and fundamental research conducted at SML is an integral part of our continuous growth, particularly through our involvement with the National Science Foundation Industry/University Cooperative Research Center for Integration of Composites into Infrastructure (CICI). In this capacity, we support stakeholders across the entire industry with technology transfer needs.

CORE  
CAPABILITIES

