I want to create an environment where we are more resilient, adaptable, better designed—essentially increase the life safety and improve the lifestyle of the human population.

- Dr. Nweke, Assistant Professor of Civil Engineering

### MSCE STRUCTURAL ENGINEERING

Aligned with emerging frontiers and innovations of the field, the MS in Civil Engineering - Structural Engineering equips you with the knowledge and skills to design sustainable solutions for tomorrow’s buildings, bridges, and infrastructure.

### BENEFITS
- World-class education, cutting-edge research
- Expertise in Disasters and Extreme Events
- Competitive career opportunities in Los Angeles
- Scholarships available

### APPLICATION DEADLINES

- Fall 2023: December 15, 2022
- Spring 2024: September 15, 2023

*All applicants who submit a complete application by the deadline will be considered for partial, merit-based scholarships.*
MEET OUR FACULTY

Bora Gencturk
extreme event resiliency and sustainability of civil infrastructure

Erik Johnson
“smart” structures, structural dynamics and control, random processes

Amy Rechenmacher
geotechnical engineering, geomechanics, engineering education

Sami Masri
analysis, control, modeling and monitoring of nonlinear dynamic systems

Chukwuebuka Nweke
seismic ground motion modeling, data analytics in hazard engineering

Audrey Olivier
probabilistic data analytics tools for structural health monitoring

Qiming Wang
bioinspired manufacturing and mechanics of unprecedented materials

Roger Ghanem
probabilistic modeling and computational stochastic mechanics

Mihailo Trifunac
strong motion seismology, structural dynamics, wave propagation, instrumentation

Carter Wellford
numerical methods in engineering, finite element analysis

Gregg Brandow
design of wood structures, performance of structural systems, failure analysis

Vincent Lee
earthquake engineering, computer numerical methods, computer-aided design

Thomas Petersen
mechanics and physics of porous materials

RESEARCH LABS & CENTERS
Structures and Materials Research Lab
Earthquake Engineering - Strong Motion Group
Tsunami Research Center

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