

SPECIALIZED TRACKS

- 01 Advanced Structural Analysis and Engineering Mechanics
- 02 Design of Civil Engineering Structures
- 03 Computational Structural and Forensic Engineering



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

RESEARCH LABS & CENTERS

Structures and Materials Research Lab
Earthquake Engineering – Strong Motion Group
Tsunami Research Center



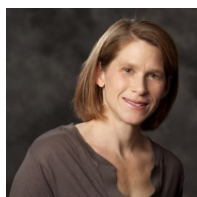
Bora Gencturk

extreme event resiliency and sustainability of civil infrastructure



Erik Johnson

"smart" structures, structural dynamics and control, random processes



Amy Rechenmacher

geotechnical engineering, geomechanics, engineering mechanics, engineering education



Sami Masri

analysis, control, modeling and monitoring of nonlinear dynamic systems



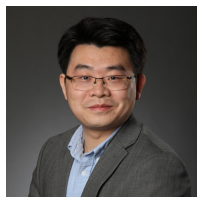
Chukwuebuka Nweke

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



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