USC Viterbi
School of Engineering

SPECIALIZED TRACKS

01 Advanced Structural Analysis and Engineering Mechanics

02 Design of Civil Engineering Structures

03 Computational Structural and Forensic 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.

> *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

BENEFITS

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

APPLICATION DEADLINES

Fall: January 15, 2024
Spring: September 15, 2023

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

USC University of Southern California

More Information:
uscengineer.com | cee.usc.edu

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, engingeering mechanics, engineering education

Sami Masri

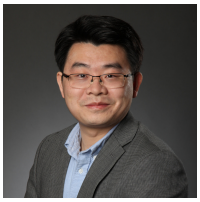
analysis, control, modeling and monitoring of nonlinear dynamic systems

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

Farzad Naeim

structural analysis, design, peer review, research and development, and seismic retrofit design of buildings