## UC San Diego





**Letter from the Chair** 



**FACULTY NEWS** 

is...which is just about anything. The phone or computer screen on which you are reading this? That's a structure. The chair on which you are sitting? That's a structure, too. The buildings you are in, the cars you drive, the bridges you drive over, the planes you fly in, the dams that store our water, or the levees that block unwanted water are all structures. Structures even extend down to the nanoscale. Think about that: a structural engineer could be involved with projects that function across twelve orders of magnitude! Read More>>

Welcome to the Department of Structural Engineering at the University of California San Diego! As the nation's only accredited structural engineering program, you've found a unique academic home. Here you will discover our holistic view of what a 'structure'

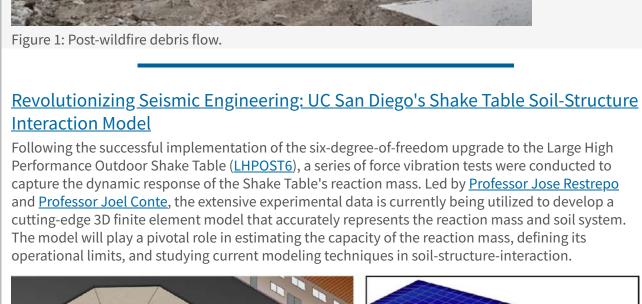
Dear Colleagues, Students, and Friends:

### the devastating impacts of post-wildfire debris flows on civil infrastructures. Read More>>

**Communities** 

<u>CAREER Award Targets Post-Wildfire Debris Flow Impact on Infrastructure and</u>

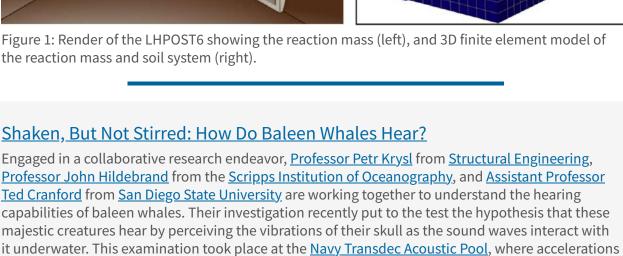
Associate Professor Ingrid Tomac has been honored with the Faculty Early Career Development (CAREER) Award from the National Science Foundation (NSF) for her groundbreaking research on



Engaged in a collaborative research endeavor, Professor Petr Krysl from Structural Engineering, <u>Professor John Hildebrand</u> from the <u>Scripps Institution of Oceanography</u>, and <u>Assistant Professor</u> Ted Cranford from San Diego State University are working together to understand the hearing

the reaction mass and soil system (right).

supported by the Office of Naval Research (ONR).



6000

Sergio Godinez, a Structural Engineering Ph.D. student,

prestigious <u>Darrell F. Elliott</u> Louisiana Fellowship from the ACI (American Concrete Institute) Foundation. The foundation is dedicated to

recently received the

advancing progress, fostering innovation, and encouraging collaboration in the concrete industry. Read

Liana Wong, a dedicated fourth-year student majoring in Structural Engineering with a specialization in Civil

Structures, has been

honored with the prestigious 2023 American Council of **Engineering Companies** (ACEC) Scholarship. Read

More>>

More>>

**GRADUATE PROGRAM INFO SESSION** 

WEDNESDAY, NOVEMBER 8TH, 2023

9:30-10:30 AM PST VIA ZOOM

at various key points of a gray whale's skull, including the intricacies of the middle ear bones, were meticulously measured and compared with computational predictions. This pioneering research is

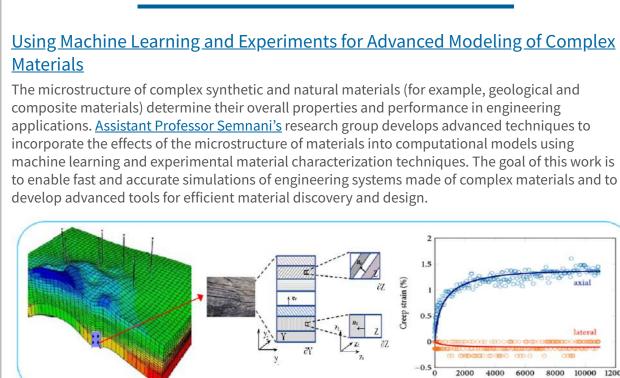
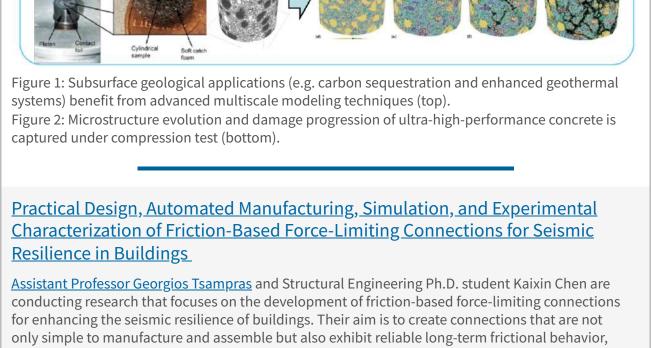


Figure 1: 3D finite element model of whale skull.





characterization of friction-based force-limiting connections for seismic resilience in buildings.

Structural Engineering Ph.D. Sergio Godinez Awarded 2023-2024 ACI Fellowship



with an added focus on the ease of repairability. These friction-based connections play a pivotal

**STUDENT NEWS** 

Structural Engineering Undergraduate Liana Wong Wins 2023 ACEC Scholarship



<u>Interview with an Alumna: Jessica Chan, NASA Aerospace Engineer (B.S. & M.S.)</u>

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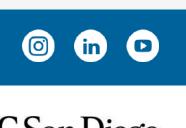
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**Laboratory** 

Jessica's journey in UC San Diego's Structural Engineering program began with her involvement in <u>Triton UAS</u>, fostering her passion for aerospace composite structure design. Now, as an Aerospace Engineer at NASA Glenn, she conducts structural dynamics testing for various projects, including those for SpaceX and Sierra Space. Read More>>

Ph.D. Alumnus Wins Distinguished Performance Award at Los Alamos National <u>UC San Diego Structural</u>

> Engineering 2010 Ph.D. alumnus Eric Flynn, who worked under the guidance of <u>Distinguished Professor</u> Mike Todd, has been honored with the 2022 Distinguished Performance Award at the Los Alamos National <u>Laboratory</u>. Read More>>



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