



Earthquake Engineering Research Institute
Lehigh University Student Chapter
“From Research to Practice”
Seminar Series
2021 - 2022



Georgios Tsampras

*Assistant Professor of Structural Engineering
at University of California San Diego*

Thursday, December 9th at 5:00 p.m.

**117 ATLSS Dr., Bethlehem, PA
ATLSS, Room B101**

“Careers in structural engineering”

Practicing structural engineers use fundamental principles of engineering mechanics, structural behavior, and structural design to analyze, design, and assess structures. Faculty members teach the fundamental principles of structural engineering, conduct research, and disseminate the importance of structural engineering through service and outreach activities.

This seminar (discussion) aims to highlight the breadth of career opportunities available to structural engineering students. We will focus on examples from civil and aerospace structural engineering applications. We will identify and compare possible careers in practice and academia. We will emphasize the importance of education, mentorship, continuous learning, and collaboration for successful career advancement.

Bio

Georgios Tsampras is an Assistant Professor in the Department of Structural Engineering at the University of California San Diego. His teaching and research activities focus on structures and civil infrastructures. Prior to joining UC San Diego in 2020, Georgios was a Falcon Vehicle Structures Engineer at SpaceX. His work at SpaceX focused on the damage tolerance analysis for the reuse certification of flight critical hardware and the plumbing distributed propulsion systems in Falcon 9 and Falcon Heavy vehicles. He also has experience as an engineering consultant in the Engineering Mechanics and Infrastructure division at Simpson Gumpertz & Heger Inc (SGH). His work at SGH focused on engineering mechanics, failure analyses of structural and non-structural components, analysis and structural evaluation of safety-related structures in a nuclear power plant, finite element analysis of structures and civil infrastructures, probabilistic analyses, and data analytics.

Georgios earned his doctoral degree from Lehigh University in 2016. During his time at Lehigh University, he focused on the development and evaluation of a force-limiting deformable connection for earthquake-resistant buildings. In 2015, he was the recipient of the Excellent Presentation Award of the Japan Association for Earthquake Engineering in Tokyo. In 2014, he was named P.C. Rossin Doctoral Fellow by the Rossin College of Engineering and Applied Science at Lehigh University.

**CEE Undergraduate and graduate students as well as faculty are encouraged to attend the seminar
Refreshments will be served**