

# FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM

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## Visit to University of California, Los Angeles: April 12, 2022

This report summarizes the visit of **Janiele Maffei** from the California Earthquake Authority that took place via zoom at the University of California, Los Angeles on April 12, 2022.

### ITINERARY OR AGENDA

TIME:	ACTIVITY:
10:30 – 11:00 AM	Welcome & coffee / early lunch with UCLA EERI President and Vice President
11:00 – 11:45 AM	Meeting with Professor Etrugrul Taciroglu, Professor Henry Burton, Professor Yousef Bozorgnia and Professor Jonathan Stewart
12:00 – 12:50 PM	Friedman Family Lecture
12:50 – 1:15 PM	Q&A with students
1:15 – 1:30 PM	Meet and greet with the UCLA EERI chapter

### STUDENT CHAPTER VISIT PLANNING COMMITTEE

**LEAD ORGANIZER(S):** Amber Sutherland / Vice President / asutherland111@gmail.com

### VISITING PROFESSIONAL LECTURE OVERVIEW

82 students and professors attended Ms. Maffei's virtual presentation. Her presentation on the retrofit grant program was well received by all students and professors, who had plenty of questions to ask at the end.

#### Lecture Abstract

California is home to two-thirds of our nation's earthquake risk - With over 39 million people (according to July 2021 estimates), California is the nation's most populous state, and most Californians live within 30 miles of an active fault. Earthquake risk is a combination of hazard, vulnerability and exposure. Adding to the placement of California's urban population in the coastal San Andreas fault zone, the earthquake risk is magnified due to the huge increase in population around the time of the World Wars. This construction boom meant that a large proportion of residential structures were constructed before building codes required seismic resisting elements. This presentation will describe the research, code development, and retrofit grant programs sponsored by the California Earthquake Authority (CEA) to meet the challenges of seismically upgrading California's residential construction. Integrating social science, behavior economics, and engineering, the CEA is at the forefront of helping to make California more earthquake resilient.

#### Professional Bio

Janiele Maffei received an M.S. degree (1980) in Civil (Structural) Engineering and A.B. degree (1978) in Architecture, both from the University of California, Berkeley. Ms. Maffei is licensed as both a Civil Engineer and Structural Engineer in California with over 40 years of experience. After as a project manager and regional office director with Degenkolb Engineers, she opened her own practice where she managed complex design projects involving many disciplines. In 2011, Ms. Maffei joined the California Earthquake Authority (CEA) as its Chief Mitigation Officer. In this capacity, she serves as the Executive Director of the California Residential Mitigation Program and manages the CEA research department.

## SUPPLEMENTAL ACTIVITIES

### Welcome & Coffee

The President (Eileen Ho) and Vice President (Amber Sutherland) briefly introduced themselves to Ms. Maffei and provided some background information about UCLA's Civil Engineering Program with a focus on Structural Engineering. We also had the opportunity to ask her a few questions and inform her of the schedule.

### Meeting with Professors

Ms. Maffei individually met with Professor Etrugrul Taciroglu, Professor Henry Burton, Professor Yousef Bozorgnia and Professor Jonathan Stewart in subsequent zoom sessions.

### Meet & Greet with UCLA EERI Student Board

Members of the UCLA EERI Student Board introduced themselves to Ms. Maffei and were able to ask her more questions about her line of work and how she ended up in her current role.

## RESULTS, FEEDBACK AND LESSONS LEARNED

Aside from a minor mishap with the zoom links not working, the entire event was smooth. Multiple students told me that they really enjoyed her presentation and Ms. Maffei was exceptionally friendly and personable to talk with. In the future, one goal might be to have more pauses between each zoom session. There was so much talking that I don't know if she had the opportunity to eat / have a snack in between meetings.

## ACKNOWLEDGEMENTS

The UCLA EERI Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the virtual visit of Janiele Maffei through their Friedman Family Visiting Professional Program endowment.

## LIST OF ATTACHMENTS

Included at the end of this report are various attachments to supplement the information included above. A list of the attachments is included below:

- Item 1, i.e. flier for event

## CEE200: Structural & Geotechnical Engineering Seminar

UCLA Civil & Environmental Engineering Department

### Earthquake Residential Risk and Resilience

**Janiele Maffei, P.E., S.E.**

California Earthquake Authority, Sacramento, CA

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**Where:** ZOOM Online <https://ucla.zoom.us/j/92857860052>

**When:** 12 - 1 PM, Tuesday, April 12th

#### **Speaker:**



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