

Fall 2018: Meeting #7

Date: November 15, 2018

<http://eeriuci.weebly.com/>

EERI UCI Student Chapter eeri.uci@gmail.com

Sarah Balaian: President sbalaian@uci.edu

Irma Rivera: SDC Team Captain inazario@uci.edu

Agenda

- ❑ **Old Business**
 - ❑ Lollicup fundraiser
 - ❑ Janiele Maffei seminar
- ❑ **New Business**
 - ❑ EERI Student Membership
 - ❑ Funding/Sponsorships
 - ❑ Upcoming events
 - ❑ Engineering Food Fair
 - ❑ Seismic Design Competition
 - ❑ New Rules
 - ❑ Structural
 - ❑ Construction
 - ❑ Architecture
 - ❑ Team Polos
 - ❑ UROP
 - ❑ New Positions

Old Business

- ❑ Lollicup fundraiser
 - ❑ \$68 profit
- ❑ Janiele Maffei seminar
- ❑ UROP turned in

New Business

- ❑ EERI Student Membership
 - ❑ Must be registered as an official member 3 months before the competition (Dec. 5th, 2018)
 - ❑ **Link to register (\$25 student fee):**
<https://www.eeri-members.org/join-eeri-today>
 - ❑ Send Sarah your EERI ID # once registered
- ❑ Funding/Sponsorships
 - ❑ **Po**
 - ❑ Revision of the funding letter is complete
 - ❑ We need \$10,000 of funding
 - ❑ Sarah will talk with Zareian for potential sponsors
 - ❑ We should go to the CEE Affiliates meetings to raise funds and get sponsors
- ❑ Upcoming events
 - ❑ Engineering Food Fair (**Nov. 16th 11am-2pm**)
 - ❑ Each ESO gets a booth to sell food, 50% of profits go to P-council pool and 50% goes to ESO
 - ❑ We are selling fruit cups with toppings (chocolate, caramel, chamoy)
 - ❑ Will buy and prepare food day before
 - ❑ Budget??
 - ❑ Professional Panel
 - ❑ Possibly winter quarter
 - ❑ MATLAB workshop
 - ❑ Will be beneficial for anyone who wants to go into research but hasn't had any exposure to MATLAB yet
 - ❑ Jawad will teach it
 - ❑ **Date?** Week 7 Thursday 2pm
 - ❑ Friedman Family Visiting Professional
 - ❑ **Janiele Maffei** Chief Mitigation Officer, California Earthquake Authority, Sacramento
 - ❑ **November 13th at 12:30pm**

Presented By:

Janiele Maffei
 Chief Mitigation Officer
 California Earthquake Authority

UCI Samueli
 School of Engineering

Department of
 Civil and Environmental
 Engineering

Seminar Series

Tuesday, November 13th, 2018
 Engineering Gateway 3161 Conference Room
 12:30pm—1:30pm

Seismic Retrofits for Single-Family Residential Dwellings

How earthquakes damage single-family residential dwellings
 The seismic retrofits that can protect these dwellings
 How a residential earthquake insurance provider is promoting and funding seismic retrofits through:

- Code and plan set development
- Retrofit financial grant program
- Educational outreach

A bold future where expected earthquake performance of a building is valued by California home buyers.



As Chief Mitigation Officer of the CEA, Janiele Maffei is responsible for planning and directing the statewide residential retrofit program; leading the processes of developing and promoting educational programs that stress the importance of mitigation; collaborating with academic institutions, and industries to promote and support mitigation research and activities; and other actions that promote seismic mitigation and support mitigation-related insurance-premium discount for CEA policyholders. Ms. Maffei also serves as the Executive Director of the California Residential Mitigation Program, a Joint Power Authority of the CEA and Governor's Office of Emergency Services since its inception in August 2011. She is a registered structural engineer who has worked in the earthquake engineering industry for over 36 years. Her experience includes the design of new building structures and seismic strengthening of existing structures. Ms. Maffei earned her AB in Architecture and M.S. in Civil Engineering from the University of California at Berkeley. Ms. Maffei served on EERI directors board from 2012 to 2018. She worked on the organizing committee of the 2010 EERI Annual Meeting in San Francisco. She is a member of the Structural Engineers Association of California and served on their board from 1995-1997. She participated in post-earthquake reconnaissance investigations following the Loma Prieta, Northridge, and South Napa earthquakes.

Questions? - cee@uci.edu - (949) 824-7548

- ❑ Seismic Design Competition (inazario@uci.edu)
 - ❑ **Vancouver, Canada**
 - ❑ **March 5-8, 2019**
 - ❑ **More info:**
 - ❑ <https://slc.eeri.org/2019-seismic-design-competition/>
 - ❑ We will start booking flights and accommodations in December!
 - ❑ Rules
 - ❑ <https://slc.eeri.org/wp-content/uploads/2018/10/2019-SD-C-Official-Rules.pdf>
 - ❑ Structural Design (awssalahaldin@gmail.com)
 - ❑ Model is done, currently working on running tests and optimization
 - ❑ Construction (bdorozco@uci.edu)
 - ❑ 3D printing mold
 - ❑ Should be done by end of fall quarter

- ❑ Laser cutting
 - ❑ Laser cutting should be done by end of fall quarter
- ❑ **Construction will begin by the end of fall quarter and go on into winter break, hopefully will be done by start of winter quarter**
- ❑ **Aws:** We can test our first structure, then repair it make necessary changes and test again (may be able to use it as final structure if its not damaged)
- ❑ Design a jig with Sergio: Will be done by the end of Fall 2018
 - ❑ Possibly also construct a crate to ship the structure
 - ❑ Check with Sergio that we have working accelerometers
- ❑ Architecture (clarist@uci.edu)
- ❑ Team Polos
 - ❑ Decided on **Navy Blue**
 - ❑ All members can get polos
 - ❑ Polos will include: EERI logo, your name, your position ("General Member" if you don't hold a position)
 - ❑ Will be around \$25 per person
- ❑ Website
 - ❑ **Austin:** Update members page
- ❑ New Positions
 - ❑ **Open positions**
 - ❑ **Conference Chair (2)**
 - ❑ **Social Chair**
 - ❑ **P-council**

Open Forum

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<https://www.facebook.com/groups/104579969578876/>

Sarah: Thinking about changing the structure of meeting

Make meetings more informative instead of executive to promote general member involvement

Any ideas on meeting topics?

Sarah: We should have professor Zareian more involved, maybe have him give presentations during meetings for earthquake engineering.

Next Meeting

Thurs, Nov. 15th at 1 pm