

The Bay Area Environmental Science Institute Presents...



## Coastal Living, Geology, and Engineering

April 30, 2016



### San José State University

This workshop and field trip will examine how humans, geology, and engineering impact shorelines and coastal areas. We'll start in the classroom to learn about coastal geology:

- Coastal processes and geology determine the natural limits of living along the coast. Humans put themselves and the coast at risk by building structures that can cause shoreline erosion.
- Engineering plays a role in both preventing and causing problems along the coast.

We'll then take a field trip from Half Moon Bay to Pacifica to see examples of natural shoreline processes, human intervention in these processes, and the resulting effects.



- We'll observe the solutions that engineering offers and consider their effectiveness.
- To finish the trip, we will visit the city of Pacifica and discuss issues of social justice in regards to renting apartments in areas with known geological hazards.

#### **When and Where**

Saturday, April 30, 2016

8:30 am- 4:30 pm: Duncan Hall Rm 306 followed by a field excursion.

#### **Presenter**

This workshop and field trip will be presented by LeAnne Teruya (SJSU Geology Department and Co-Director of BAESI).

#### **Questions?**

Call 408-924-5048 or send email to [ellen.metzger@sjsu.edu](mailto:ellen.metzger@sjsu.edu)