

Civil & Environmental Engineering (CEE) Events

April 16, 2016; 9am – 3pm



Drop-in events, special events, open labs and more!

Morning Events

Drop-in events:

9:00-3:00 CEE Information Table

Outdoor plaza between O'Brien and McLaughlin Hall

Talk with faculty, staff, and students about all things CEE; get paired up with a student for a personal tour of CEE facilities.

9:00–11:30 & 1:30-3:00 Undergraduate Research Fair

Breezeway between O'Brien and McLaughlin Hall

Students show the research they have undertaken with faculty. Drop in and speak to students one-on-one in this casual conversational setting.

10:00-1:00 Engineers without Borders (EWB-USA)

3rd Floor Davis Hall Terrace

Come meet members of the UC Berkeley EWB Chapter and learn more about what they do for communities outside of the US.

10:00–1:00 Students' team projects

3rd Floor Davis Hall Terrace

Talk to student teams and see what they have built for ASCE-sponsored competitions around the USA.

Concrete Canoe

Yes, it floats! Learn how CEE students use cutting-edge material science to make concrete do amazing things.

GEO Wall

Come watch the Geo Wall team build a working model of a mechanically stabilized, earth-retaining wall (like the walls along the highway that hold back soil) out of just craft paper and poster board.

Steel bridge

It's not just a bridge; it's a construction system. Learn how CEE students design bridges for rapid, robust assembly.

Water treatment

Watch the CEE Enviro Team build a filtration system using household items that will filter water to be reused for bathing and washing laundry

Special events:

11:00–12:00 Panel of Alumni, Current Students & the Department Chair

Banatao Auditorium, CITRIS center, Sutardja Dai Hall 3rd floor

The Department Chair, Professor Robert Harley, and a panel of alumni will discuss what it's like to be a student in CEE and how we help students thrive at Berkeley.

12:00 – 1:00 Pizza with the CEE family

Davis Hall Terrace (3rd Floor, south side)

All prospective CEE students and their families are invited to enjoy a slice or two with CEE faculty, students and staff.

Open labs & faculty research demos:

10:00-1:00 Transportation of The Future

Between Sutardja Dai Hall and Davis Hall

Come and appreciate new innovations in the field of sustainable urban transportation. Check out a hydrogen vehicle and an electric bicycle on display and learn about their applications to sustainable mobility

10:00-11:00 Water sensors, water networks

Banatao Auditorium, CITRIS center, Sutardja Dai Hall 3rd floor

Professor Variano explains how engineers are building new methods for tracking the world's water. Three sessions starting at 10:00, 10:20, and 10:40.

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Afternoon Events

Open labs & faculty research demos:

1:30-3:00 Seismic Design Team

Structures Lab-2nd Floor-Davis Hall

Can we build it? Yes, we can! Learn how CEE students design high rise buildings that can withstand the next earthquake.

1:30 -3:00 Scooting Around? - Do it electrically!

Between Sutardja Dai Hall and Davis Hall

Learn from Professor Moura about the interface between energy, transportation and vehicle-to-grid systems. Discover Smart Electrical Scooters currently being designed and tested by our students.

1:30–3:00 Engineers and the Atmosphere

212 O'Brien Hall

Learn about CO₂ and its impact on climate change. At our exhibit, you can use an analyzer to measure the concentration of CO₂ emitted by a candle and in your own breath.

1:30–3:00 Traffic in the Sky – Smart Drones

3rd Floor Davis Hall Terrace

Fly an unmanned aerial vehicle (UAV)! These vehicles navigate by interacting with an onboard camera. Test it yourself and talk to students and Professor Sengupta about the research behind this technology.

1:30-3:00 Shake it to the Core!

Structures Lab-2nd Floor-Davis Hall

Design and build a tower to resist a major earthquake! Once your structure is complete, you can test it on an earthquake simulator. Will your tower survive the shaking? Presented by PEER and the Cal Seismic Team.

1:30-3:00 Not just for Gamers – 3D Laser Scanner

Structures Lab-2nd Floor-Davis Hall

Come learn how Civil Engineers use laser scanners to evaluate structural integrity in buildings and bridges. Come watch as we use the scanner to scan objects in the lab to create accurate 3D images. Presented by PEER.

1:30-3:00 It's a Concrete World After All!

Concrete Lab- 2nd Floor-Davis Hall

What is the difference between cement and concrete? Get a chance to mix flowable concrete samples to take home with you. See invisible cracks in concrete and how it breaks.

Special events:

1:00- 2:00 Creek Walk (tour) with Prof. Thompson

Meet at 3rd Floor Davis Hall Terrace

Join Prof. Sally Thompson on a walking tour of Strawberry Creek. This creek is used in CEE classes to investigate real-world water and soil management topics.