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AMERICAN SOCIETY OF CIVIL ENGINEERS, STUDENT CHAPTER
AT THE UNIVERSITY OF CALIFORNIA, LOS ANGELES

Letter From the President

Dear Students, Alumni, and Faculty,

It is with great pleasure that I present the Winter 2011 edition of the ASCE Bruin. In my first quarter as President I have seen all of our officers come together and lay a strong foundation for both this year and years to come. This is why I am honored and excited to lead one of the most active and successful student groups at UCLA.

Our annual regional conference is just around the corner and all of our projects have made giant strides in order to have a great showing at conference. This year we will be traveling to CSULA to display our projects, and we will try to improve upon our second place showing last year. We also plan on continuing our efforts towards professional development through the remainder of the year, with more infossessions and workshops.

With that being said, I would like to thank all of our ASCE officers for their dedication and hard work that they have put into this year. I would like to send a special thanks to the C&EE faculty for all their help and support, especially our club's Faculty Advisor, Professor Terri Hogue, and our Department Chari Professor J.S. Chen. Last, I would like to thank all of our sponsors for helping us in these still economically hard times. Without the collaborative efforts and willingness from all these instrumental people, ASCE at UCLA would not be the great club that it is today.

If you would like to get involved or have any questions, please feel free to email me at pbrady24@gmail.com. Our website, www.ascebruins.com, has up-to-date information on upcoming events, as well as ways to become involved. Thank you for your support, and we look forward to a strong showing at our annual regional conference representing UCLA and the C&EE Department.

Sincerely,

Peter Brady
President, ASCE UCLA

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OFFICER RETREAT

By Chelsea Hoffman

The 2010-2011 school year started off on a great foot as the incoming officer team traveled to Big Bear, CA for a weekend away. We stayed in a beautiful cabin, and were able to enjoy each other's company while taking in the mountain scenery.

Goals for the various projects, as well as the club as a whole, were set for both the immediate future and for the years to come. Team building activities included name and trust games, a walk to the lake, and communication exercises. All the officers were encouraged to get to know each other on a personal level so they could better understand how to work together throughout the year. Various alumni officers were also in attendance to advise the new officer board.

The trip was a great experience for all of the officers. We are all excited for a great year for UCLA's student chapter of ASCE!



CANOE BBQ

By Justin Maynard

Coming off a great experience in last spring's Pacific Southwest Regional Conference and this past summer's National Concrete Canoe Competition, UCLA ASCE's Concrete Canoe team brought prospective members out to the UCLA Marine Aquatic Center on a Saturday morning.

We introduced attendees to different paddling techniques, and they were able to practice paddling the canoes out in the marina. By placing them in groups similar to those used during races, they could experience what it would be like at conference this year. After paddling, we were able to BBQ and members and officers had a chance to talk about all of the different components to the Concrete Canoe competition.

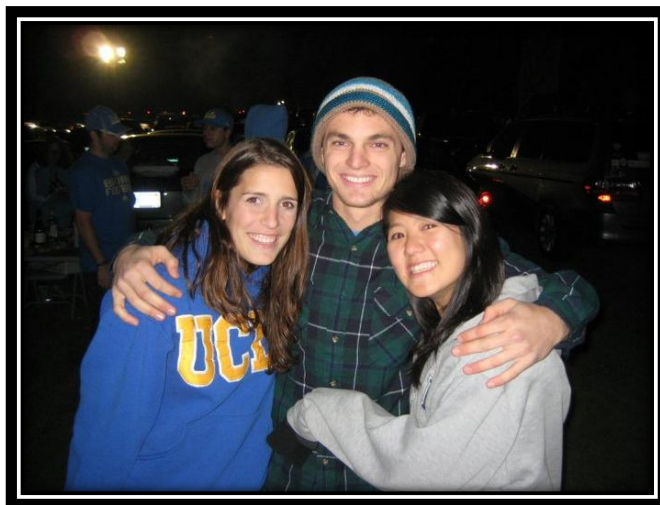


UCLA vs. USC TAILGATE

By Carolyn Chou

To celebrate the traditional cross-town rivalry between UCLA and USC, ASCE hosted a tailgate before the famous football game held in December at the Rose Bowl. Members, officers, and alumni were all invited to attend, and we had a good turnout for the event.

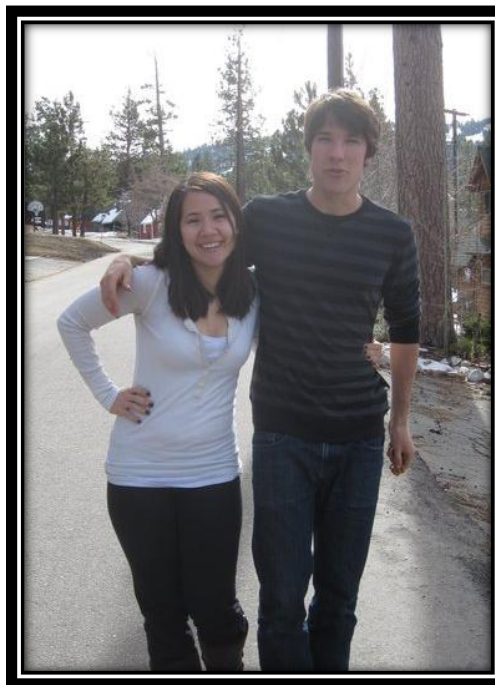
The ASCE group had a lot of time to spend together before the game, and we were able to play a large variety of games, including football and ladder golf. We BBQ-ed and continued to play games until kickoff, when we headed into the Rose Bowl. The stadium was filled with excitement and anticipation as we watched our team fight for victory.



BIG BEAR TRIP

By Matthew Runyan

ASCE's 2nd Annual Ski and Snowboard Trip was a huge success. Over 20 members made the trip to Big Bear for a relaxing 3-day weekend from January 14-17. The beautiful cabin the members stayed in was set against the south side of the lake and offered spectacular views. Attendees could enjoy nature by hitting the slopes, sledding in the park, or hiking in the wilderness. After an exhilarating day outside members relaxed in the cabin's spa, playing pool, or listening to music performed by other attendees. The trip offered the perfect opportunity to make new friends and spend 3 days in beautiful Big Bear.



CAREER FAIR

By Matthew Runyan

On January 20, ASCE hosted a Career Fair for Civil and Environmental engineering students. Approximately 160 undergraduate and graduate students attended and explored opportunities currently available in the civil, environmental, geotechnical, structural, and construction engineering job markets. In addition to the excellent student turnout, 17 companies and approximately 40 representatives attended to represent their companies. Students were able to network and search internships or full-time positions. The event was geared towards upperclassmen, but it was a great chance for new students to explore the industry and the professional benefits of ASCE at UCLA.

We had the largest company attendance in 3 years, an indication that jobs and the industry of civil and environmental engineering are starting to pick up. ASCE's Civil and Environmental Engineering Career Fair is a great opportunity to network and learn more about the leading companies in the civil, environmental, geotechnical, structural and construction markets.



MENTORSHIP

By Carolyn Chou

This year's mentorship and social events have been combined in order to encourage all members to attend. Thus far we have had a Meet Your Mentor night, a Gingerbread House-Making event, and a Cosmic Bowling night for members, mentors, and mentees to attend.

The purpose of the Meet Your Mentor Night was to provide an opportunity for mentees to get to know their mentors better. The Gingerbread House-Making event was ASCE's final social event for fall quarter. Attendees could show off their civil engineering skills in their own creations of a stable and edible house. They bonded while listening to Christmas music, marking the end of a great quarter.

Cosmic bowling night was the most recent event open to all members. We all went out to dinner before getting to the bowling alley, and we were able to discuss all of the exciting upcoming events for the quarter.





IM SPORTS

By Matthew Runyan

ASCE had a great fall season in IM Sports and is excited about this quarter as well. Our Men's Football team reached the semi-finals before falling in a great game. Our Co-Ed Volleyball team also reached the playoffs, but exited early in the first round.

This Winter Quarter, ASCE is participating in Men's Basketball and Co-Ed Soccer. Our soccer team looks to defend the IM Sports Championship it won last season while our Men's Basketball team is working hard to make it to the post-season. If you are interested in participating in either of these sports this quarter or the sports we will be signing up for next quarter, please email IM Chair, Matt Runyan, at mrnyan3@ucla.edu.

CONFERENCE

By Lori Gies

The Pacific SouthWest Conference (PSWC) is coming up in just a few weeks. This is when all of the projects we have been working on throughout the year compete among 16 other top universities.

This year, it will take place between March 24th and 26th at Cal State LA. Please note, the conference is DURING spring break. It is still not too late to get involved though if you are interested! Conference is a wonderful way to get to know your fellow civil engineers as well as get involved with ASCE!

If you have any questions regarding conference, feel free to email Conference Coordinator, Lori Gies, at lorigies@gmail.com.



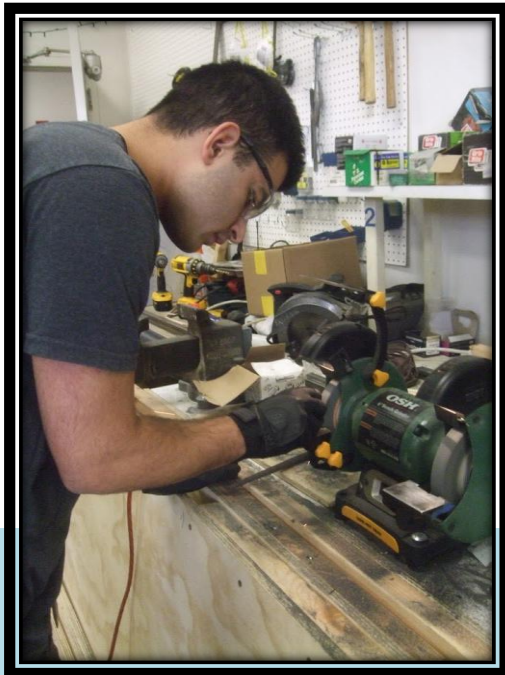
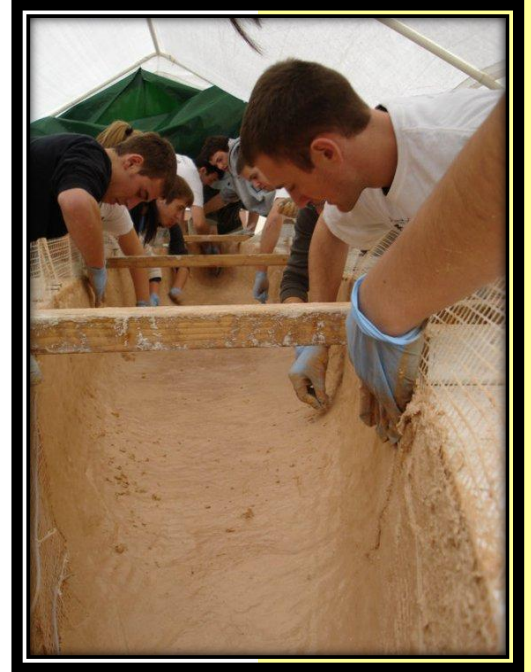
CONCRETE CANOE

Every year, a mix is designed, a mold made, and a canoe produced entirely of concrete and reinforcement to take to competition. Canoes are judged by final product display, quality of construction, and reports in both written and oral form.

This year, the project is setting the bar for innovation and construction quality with a CNC machined mold, a concrete pre-stressing system, and an incredible report and presentation. So far this year, two canoes have been cast and paddling practice in the new prototype has begun. Though we have completed casting of our final canoe, we have our work cut out for us in sanding and staining the canoe for the next two months.

If you'd like to help finish the canoe and build the display, Winter Quarter Workdays are taking place **Monday, Wednesday, and Friday from 2:00 to 4:00 PM in the ASCE Lounge and at the canoe worksite behind Engineering I.** Paddling practices are Sundays 8:00 AM to 12:00 PM at the UCLA Marina Aquatic Center.

For more information email Justin Maynard (jmaynard90@gmail.com) or Justin Ray (justin.ray.ucla@gmail.com)



STEEL BRIDGE

The ASCE Steel Bridge Project is currently in full swing as the team prepares the bridge for conference. The design of this year's twenty foot long cantilever bridge has been finalized. The team is now hard at work preparing the individual pieces for the bridge which will be fabricated to dimensional specifications. Once the bridge fabrication phase is complete we will select a construction team and prepare for conference.

At the regional conference, hosted by CSULA this year, the team will compete against other schools in a battle of construction time and minimal deflection. This year's bridge team expects to be very competitive and is looking forward eagerly to the competition.

For all those who are interested in working on the steel bridge project. Our workdays for this quarter are **Tuesdays and Saturdays from 10 to 4.** We also expect to host additional events after conference is over for all those looking to hone their bridge developing talents.

For more information email Ryan Vanderlip at ryan.vader@gmail.com.

GEOTECHNICAL

The Geotechnical project is a relatively new project for ASCE, and it consists of designing and constructing reinforcements on a retaining wall to hold back nearly 600 pounds of sand. It consists of a lot of cutting, pouring sand, creative thinking, and fun! The competition is judged on the amount of reinforcement used, the time taken to assemble the reinforcements, and the amount of loading that the retaining wall can hold.

The team has gotten off to a great start with our design and is hoping to do really well in competition (with *your* help, especially). We will be working on streamlining and improving our design as well as cutting down on our construction time.

This project is a great way to learn about the geotechnical field outside of the classroom, or even before taking geotech classes. There are many willing members on the team to teach newcomers, so if you'd like to learn about soils through a hands-on approach while getting dirty, you should check it out! We meet **Saturday mornings from 10:00 am to 1:00 pm in Boelter Hall 1567.**

For any questions or further information on how to help out, please contact the Geotechnical Project Manager, Pavlo Chrysovergis, at pavlooc@gmail.com.



ENVIRONMENTAL

Each year, schools compete to design and construct a water filtration system. The filtration systems are judged based on the design, cost, written design report, presentation, and overall quality of filtered water.

This year's Environmental Design Project has just begun. The Environmental Team has been researching the listed contaminants and is in the process of designing potential solutions for the filtration system. Meetings to discuss the feasibility of our design are scheduled in the near future.

If you would like to get hands on experience with water resources, environmental science, or engineering, everyone is welcome. The team meets on **Tuesdays at 4:00 PM in the ASCE lounge.**

For more details about this year's project, please contact Environmental Design Project Manager Bryan Carpentier at carpentier.bryan@gmail.com.



SEISMIC

The Earthquake Engineering Research Institute (EERI) annually hosts its Seismic Design Competition in order to develop understanding and interest in earthquake engineering among undergraduate students. Teams from universities design and construct a 5-foot 29-story building model made entirely from balsa wood and wood glue. These structures are judged based on architectural design, seismic performance, calculated annual revenue based on total rentable floor area, and an oral presentation.

This year, ASCE's Seismic Design Project finished the preliminary design at the end of Fall quarter. Since the beginning of Winter quarter, additional tests were conducted to determine the optimal lamination of columns—an innovative feature in this year's model. Construction has also started and is currently well underway, with braces, beams, and column members being fabricated. Until the official competition, work will continue on structural assembly, shake table tests, and material preparation for the presentation.

Everyone is more than welcome to join us for this fun educational experience. Work days are **Tuesday and Thursday 4:30 p.m. to 6:30 p.m. in ASCE Lounge ENGR 1-2078.**

For more information regarding the ASCE Seismic Design Project, please contact Project Manager Khoi Pham at phukhoipham@yahoo.com



CONTACT INFORMATION

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Civil Engineers**

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Keep up to date with
announcements on our website at:
www.ascebruins.org

Check out the 5th floor Boelter
Bulletin Board for announcements
and upcoming events!

Interested in becoming a member
of ASCE? Membership forms are
accepted year round and can be
picked up at the ASCE Lounge in
2078 ENGR I or at the 5th floor
bulletin board. Completed forms
can be submitted along with the
\$20 membership fee to any ASCE
Officer or to 2078 ENGR I.

For more information on membership,
please contact Membership Chair, Oliver
Chang, at catalystrift7@yahoo.com.