Hello ASCE members! Many students have returned from participating in the Rocky Mountain Regional Conference for ASCE March 29-31. This is where Universities in the Rocky Mountain Region compete in events such as a technical and non-technical paper, pre-design, mystery event, Steel Bridge and Concrete Canoe. You will read much more about each event in this newsletter, let me not spoil it now.

An event that is coming up before the school year ends is CSUnity. ASCE has put together a group of outgoing individuals to go and immerse in community service around Fort Collins for the day. We still have a few spots left to join. Please email Nicole Hodges at nhodges616@gmail.com if you are interested in joining the CSUnity team. Emails will be sent out soon for those already signed up. This is a great opportunity to work with your fellow members and become involved in the CSU ASCE organization. The goal for the year of 2012 is have members become involved, coming up with ideas for events, and participating! The Colorado State University ASCE organization is working to provide numerous activities and community service opportunities, but these are only possible with the participation of the members.

Do you have a better idea for an activity? If any of you have an idea, any idea, please email me, Kristi Gemperline kgemp@rams.colostate.edu, and we will do our best to incorporate your ideas, allowing all ASCE members to benefit. Member interaction is critical in putting together meetings and ASCE events. Want more information on the latest happenings and activity opportunities; check your emails from CSU ASCE, don’t just send them straight to the trash. Another way to look at upcoming events is to go to the new website www.engr.colostate.edu/asce/ and look in the calendar section. If you’re not a member and would like to become one, grab a membership form in the staircase next to Laurie Alburn’s office or email us at csu.asce.mem@gmail.com.

Upcoming Events and Dates

- **General Meeting:** April 17th Location: ENG 100 @ 6-7pm
- **CSUnity:** April 21st at 9:00am in the LSC
General Meeting

The next general meeting will be held on Thursday, April 17th at 6pm in Eng 100. We will be hosting Andy Stephan who is a P.E. from Rocky Mountain Prestress. Mr. Stephan will give a slide tour of the Architectural and Structural Plants at Rocky Mountain Prestress, with an overview of the production and handling of the precast concrete products from each plant. He will also give an overview of precast shop drawings, calculations, piece drawings, and field work orders. This will be followed by an overview of some recent projects at Rocky Mountain Prestress, including IKEA Centennial. As always, there will be free food at this meeting! Looking forward to seeing you all there.

Rocky Mountain Regional Conference Results:

Congratulations Concrete Canoe!

Colorado State University made an astounding appearance in the canoe competition. The team successfully placed 2nd, 6.3 points behind the defending champions, Utah State University. Along with this 2nd place finish, Colorado State also received 8 other awards for 1st place in design paper, 2nd in oral presentation, 1st in coed sprint, 2nd in women’s sprint, 2nd in women’s endurance, 2nd in men’s sprint, 3rd in men’s endurance and lastly 2nd in the canoe races overall. This was the best appearance by Colorado State in a decade. The canoe team would like to encourage you to view the concrete canoe as well as other senior design projects which will be displayed on April 13th in the Plaza for E-Days.
Steel Bridge Competition Results

The CSU Steel Bridge and Design Team ranked 8th overall in Regional competition out of 12 teams. There have been many members who have dedicated many hours since September of 2011 to design and build a bridge to take to regional competition.

Team members include:

The steel bridge this year was improved from last years design. This year the bridge passed both lateral load tests and moved on to the vertical load tests. Where the error occurred this year was during the vertical load test; the bridge failed due to a lateral sway of more than 1/2in. while being vertically loaded. Last year this was not a problem for the sway could be 1in. This year only three schools, out of 12 total, passed the load tests. The schools that passed were BYU, Utah State, and Colorado School of Mines. Granted that these were the only three schools to pass, they were the three that will be moving on to regional competition this summer at Clemson University.

Steel Bridge is still building and learning from mistakes. We will be a great contester at the next Rocky Mountain regional competition, which will be located at Utah State University, in Logan Utah, April 4th-6th. It was a great year that all members will not forget!
CANstruction

During the Rocky Mountain Regional Student Competition for ASCE, CSU participated in CANstruction. This event required us to collect cans, build a themed structure with them (this year was a child’s engineering fantasy), and then donate the cans to a food bank in the local area. This year CSU passed its goal of one thousand cans with 1100 cans which we constructed into a wall of “Duplos”. Our structure came in 5th place overall but 3rd in number of cans. CSU assisted the other schools at competition in acquiring over 9000 cans, and were all donated to a food bank in Laramie, Wyoming.

Congratulations Jocelyn Bryant on getting 3rd place!

The Non-technical Paper and Presentation opened my eyes to the ethics of Civil Engineering. This year’s prompt asked students to consider difficulties with engineering overseas. As a student today, I’ve grown up in a time of globalization, where excellence comes from overseas and not necessarily from the United States. A time where our historical supremacy is in question and our nation is struggling to redefine its place in the world. In order to maintain an edge over competition, American engineers need to consider issues such as differences between cultures, practices, and standards, and skillfully maneuver their way through this minefield and arrive on the other side with a completed, safe project. Fortunately, the American Society of Civil Engineers (ASCE) has written a Code of Ethics that is not limited by the borders of the United States.

In cases where the standards are less stringent, engineers must refer to the ASCE Code of Ethics, Canon 1; “Engineers shall hold paramount the safety, health and welfare of the public.” To me, this is where the most ethical concerns come in. If several engineers realize that the public isn’t safe because of their project, and the employer reacts badly to their report of the dangers, then the engineers have to face an enormous ethical dilemma. The ASCE Code of Ethics category (c) states that the engineers must “present such information to the proper authority in writing and shall cooperate with the proper authority in furnishing such further information or assistance as may be required” since the health and safety of the public transcends any one project and employer.
Lastly, the American engineers working abroad must observe the same ASCE Code of Ethics that they would follow in the United States. The Code’s Fundamental Canons are not altered if the engineer leaves American soil because ‘public’ is not defined as simply ‘the American public’ but the larger category of global public. The international health of the public is a concern for every ethical engineer, and they must strive to improve infrastructure which already exists, and succeed in what has not yet been done, as well as develop exceptional solutions, reaching beyond the simple and embracing the complexities of global engineering.

**Website gets a facelift**

Have you heard... thanks to our new webmaster, Kirsten Sargent, the CSU ASCE student chapter’s website has been renovated. This website links to events via the calendar, newsletters, event information, regional competitions and more. Want to know when ASCE events are coming up or when we are holding office hours, check out the new website at [www.engr.colostate.edu/asce/](http://www.engr.colostate.edu/asce/).