BRAE and ASM students touring the Woodland-Davis Water Treatment Facility as a part of the annual California Irrigation Institute Conference last week.

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<th>ITRC California Irrigation Institute Conference</th>
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Cal Poly students attend statewide irrigation conference to network and meet industry professionals.

The Irrigation Training & Research Center annually takes BRAE and ASM students the California Irrigation Institute conference in Sacramento to learn about industry involvement. Dr. Styles led the group trip this year.

The California Irrigation Institute is the oldest independent forum on irrigation and water in California. The institute hosts an annual conference on California water issues, water use efficiency, water quality, and surface and groundwater management.

Sophomore BRAE student, Dylan Goodwin, was in attendance for the first time this year. Goodwin chose to attend the conference to “add exposure from the water side [and] to get a feel for the current state of the industry” in a career he is interested in pursuing.

While in Sacramento, students attended presentations designed for industry professionals. “Speakers covered a range of topics,” said Junior BRAE student Blake Nielsen, “discussions about combating well water salinity stood out to me.”

Tony Morgan of the United Water Conservation District presented on SGMA implantation in Ventura county—Goodwin’s home. “It was interesting to see issues from home discussed by professionals,” Goodwin said.

Outside of conference events, the Cal Poly group met with Tim O’Halloran, a 1989 BRAE graduate. O’Halloran, the general manager of the Yolo County Flood Control district, showed students the recently constructed state-of-the-art Woodland-Davis Water Treatment Facility.

The conference gave students an inside view of what the irrigation industry in California is today.
The award-winning Rose Float team was honored by the outgoing Tournament of Roses board president and Vice President for Student Affairs Keith Humphrey at the group’s annual banquet Feb. 4. “I’d like to recognize (group president) Philippe (Nappa) for his excellent leadership, and all of the students for your great, hard work that you did on ‘A New Leaf,’” Humphrey told some 120 members, representatives from both Cal Poly universities, alumni and parents. “Every one of us is so proud of what you did. You also received huge accolades at the CSU board of trustees level.

Board of trustees Chair Rebecca Eisen recognized both campuses for the hard work on the Rose Float in her report in the most recent meeting.” Cal Poly universities’ student-designed and built float featured an animated family of chameleons exploring the wonders of a vibrantly colorful world at the Rose Parade on Jan. 2 in Pasadena. “‘A New Leaf,’ wow, what a great look and concept this year,” said Brad Ratliff, 2016-17 president of the Tournament of Roses board of directors who oversaw the 128th Rose Parade and the 103rd Rose Bowl Game.

He congratulated teams on both campuses for “a great, great float. You won the Founder’s Award. That is one of the most special awards that the judges present because it has to do with how beautiful a float is.” He also thanked the seven seniors (pictured above), some who worked on five floats during their college career, who were bidding adieu to the team. “So on behalf of the Tournament of Roses … thank you for everything that you’ve done,” he added. “I certainly look forward to seeing what you guys are going to have in ‘Making a Difference’ — the 2018 theme that will also be the universities’ 70th entry in the annual New Year’s Day tradition.

The 2016-17 leadership team was honored while incoming President Ali Harake welcomed the 2017-18 leaders, who on Feb. 5 finalized the concept submissions for the 2018 parade. In addition, Nappa honored Gary Weisenberger, lecturer in the BioResource and Agricultural Engineering Department (pictured with Harake, left, and Nappa), for more than 30 years of contributions, which include rebuilding the two float chassis, as well as driving the San Luis Obispo portion to Pomona and back each year on his 18-wheel tractor-trailer.

*Article Courtesy of Feb 8. Cal Poly Report*

*Photos Courtesy of VPSA Keith Humphrey, Facebook*
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Fourth Grade Days:
   When: Tuesday to Friday, February 21 - 24 from 9 am to 3 pm
   Where: Off-campus elementary schools

Come out to volunteer for Cal Poly SWE’s annual 4th Grade Days event, where we teach local elementary school students about engineering!

Sign up to volunteer here.

General Meeting with Boeing: Transitioning into the Workforce!
   When: Wednesday, February 8, 6:10 pm
   Where: Bonderson 104

Come join SWE’s general meeting to hear from Boeing representatives. They will be coming to talk about Transitioning into the Workforce. Pizza will be served!

SWE Phone-a-Thon
   When: Friday, February 24 and Friday, March 3 from 5 pm to 8 pm
   Where: 192-106

It’s college acceptance season! Come join SWE to congratulate conditionally admitted female Cal Poly engineering students and invite them to Cal Poly Open House and SWE Welcome in the spring. SWE Phone-a-thon will be held on Friday, February 24th and Friday, March, 3rd from 5:00 p.m. to 8:00 pm. FIRESTONE will be served! If you are interested, please sign up here.
Week 5

Thanks all who volunteered with IMPACT!

Check out our google calendar here!

1. Sustainability Task Force is a new group seeking to enhance Cal Poly's EWB Chapter. Through working on projects related to social, economic, cross-generational and environmental sustainability, we want to ensure that our chapter is fulfilling its purpose of “equipping leaders to solve some of the world's most pressing challenges”. The STF meets at 6pm on Mondays in Building 53, room 202 (India Room).

Project Meetings are every Monday 7pm!
Here are the team room locations:

10-227 Nicaragua
33-287 Thailand
53-202 India
53-206 Malawi
53-213 Local Projects

2. IMPACT meets every Tuesday at 6:30 pm at one of the Library 2nd floor fishbowls. Come by if you want to make a difference locally by volunteering in SLO!

3. Intramural Soccer will be held Wednesday this week because of the Super Bowl! It will be at 10:30 pm. In order to play, please bring a white shirt and black shirt!

4. EWB Tea Time is every Friday 10-12pm at the 2nd floor of the Library facing the front, near the bookshelves. Come chat and enjoy some tea with President Dan, VP Beth, and the occasional officer!

Opportunities

Interested in studying abroad? Take a class with Professor Karen Bangs from Industrial and Manufacturing Engineering (IME), in Bilbao, Spain during July of 2017. Karen will be teaching an Operations Management course (Quality Management, Lean Systems, Product & Service Design, Project Management and a few other topics). This course can fulfill a technical elective requirement for you (if you’re ME with general & MfgE concentration, MATE, ENVE, BMED, GENE, COB-IT, MfgE). Contact Karen at krbangs@calpoly.edu, or stop by her office in 192-229. You can also visit Cal Poly International Programs on-line or at their office (http://abroad.calpoly.edu/ or 38-145). Check out the flyers here and here.

The University of Colorado Boulder’s Mortenson Center in Engineering for Developing Communities is hosting its annual Colorado Water, Sanitation and Hygiene Symposium in beautiful Boulder this March 7-8, 2017. Registration is FREE. Rumor has it we've got a bunch of Cal Poly grads in Boulder who's couch you can crash on :). Email Katie Chambers (Katherine.G.Chambers@colorado.edu) or check out their website (http://www.colorado.edu/washsymposium/) for more details if you're interested.

Wishing you all the best on midterms!
The Independent Professional Seed Association is pleased to announce the opening of the scholarship period for the 2017/18 school year. This year, different from past years, the IPSA Board of Directors has raised the scholarship award to $2000.

Both high school seniors and active college students majoring in Agriculture are encouraged to apply. While IPSA will award scholarships based on the number of applicants, awards are given in 3 areas:

Myron “Ted” Asplin Foundation Scholarship - This scholarship was created by the Asplin family of Dassel, MN in memory of Myron “Ted” Asplin. Preference will be given to high school seniors pursuing an ag-related degree.

IPSA Student Recognition Award - The IPSA Student Recognition Award was created in 1997 from funds donated by the Independent Corn Breeders Association. Preference will be given to active college students pursuing ag-related fields.

Buckhorn Scholarship - This scholarship was created by Buckhorn, Inc. to benefit the future of Agriculture. Preference will be given to active college students pursuing ag-related fields.

Selection will be based on a combination of academic achievement, community and agricultural involvement. All applications will be reviewed by the Education Committee and the Board of Directors of the Independent Professional Seed Association. Final candidates will be invited to an online interview and awards given at the 2018 IPSA Annual Conference in Indianapolis, IN.

For any questions regarding the process, please contact the IPSA office via email or telephone.

Applications and information can be found on the Association website, www.ipseed.org or specifically at this link - 2017 IPSA Scholarship Application. All applications should be sent to either Catherine Ballard, cat@ipseed.org or Todd Martin, todd@ipseed.org.
Journeyman Welder/Fabricator Job
Description & Expectations

Position: Structural or Ornamental Welder/Fabricator

Pay D.O.E.: $15-17 entry level, $18-22 skilled, $23-25 for Foreman/Journeyman

Resume required: Send resumes to brandt.haener@arcwelds.com

Location: San Luis Obispo, California

Work Requirements
- 3-5 years and fabrication experience
- Field installation and erecting of structural steel or ornamental iron
- Ability to lift heavy items 50lbs+ as well as stand for long periods of time
- Able to work at heights
- Capable of doing layout and project planning
- Certifications preferred: SMAW, FCAW
- Engineering or technical degree a bonus

Overview
This is a journeyman level position requiring a broad skill set. The ideal candidate will be able to take a project from receipt of shop drawings to final field installation. Work may not have complete drawings and specifications at times so the employee will need to think on their own to able to complete the task while using best manufacturing practices. Employee will often be self-directed based on the project scope. Needs to be able to solve issues

Job Functions
- Execute new projects from concept to finished product.
  - Layout, fit-up, assembly/welding, coating, installation
- Create products that meet customer and shop owner's quality requirements.
- Conform to industry regulations, laws, and architectural standards during the course or work.
- Read and follow architectural prints.
- Manage job site activities in coordination with other trades
- Resolve project challenges and develop solutions to field and installation issues.
- Other duties as assigned.

Expectations
- Able to self-direct and drive projects to completion. Knows what needs to be done next and does not wait to do so until told. Is able to work within grey area of project specs.
- Highly motivated and keeps the interest of the client and company in mind at all times.
- Willing to take directions
- Flexible to changing needs of the company and able to adapt to the situation at hand.
- Delivers results: Ensures projects are completed on time in full regardless of business challenges or competing priorities.
- Conducts themselves in ethical and appropriate manner consistent with expectations of high end clients and business owner.
The BRAE Department asks YOU to fill out a survey regarding this weekly newsletter! Let us know what you like and want to see more of!

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