

THE BRAE WEEKLY

The Weekly Newsletter for the BioResource & Agricultural Engineering Department



WEEK 9~ March 8th, 2017

AES and Tractor Pull club Presidents past and present pictured. BRAE department students presented with the AG 452 Issues Affecting California Agriculture class in Sacramento earlier this week. They presented issues affecting Agriculture in California and possible solutions.

Three current BRAE students were in attendance: Joey Roberts, Austin Jones, and Stacie Silva.

BRAE department alumna, Arturo Barajas and Cameron Dale, both of whom took the class and the were heavily involved in the department were also in attendance. Arturo now works on Capitol Hill as a legislative aide to an Assembly Member.



From Left to Right: Joey Roberts, Arturo Barajas, Austin Jones, Stacie Silva, and Cameron Dale

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For the first weekly AES featured officer, meet the 2016-2017 club president, Stacie Silva. Stacie is a fourth year Ag Systems Management Major originally from Tulare, California and is very involved in both the BRAE Department and campus. Outside of class, Stacie works in the Cal Poly in Strategic Business Services and is a member of the Chi Omega Fraternity. After graduating with a degree in ASM, Stacie plans on graduating from law school and working as a lawyer/lobbyist/advocate for California Agriculture on Capitol Hill in Sacramento.

Why did you decide to attend Cal Poly?

I have wanted to come to Cal Poly since I was five. My mom came here for a time when she was young so we always toured the campus when we were in the area as a family. It just seemed like such a happy place with a warm atmosphere. I grew up in agriculture and liked the idea of being able to interact with students in the college of agriculture and learn by doing instead of reading. It definitely did not hurt that Cal Poly has a reputation for being one of the top technical schools in the state.

Why the BRAE Department?

I wanted a career with more focus on people and the policy issues (only about one quarter actually) which then led me to ASM. I chose this department because of its technical focus and all of the shops. I grew up working with my dad in a machine-shop environment so it already felt like home. I really felt that I could learn something meaningful from this department beyond what any other engineering or business program alone could offer me.

How did you get involved with AES?

I just started showing up to things. I always saw the fliers posted around the building and thought to myself, "That could be interesting" so I started going to meetings and events. I really enjoyed the Thursday AES BBQ because it allowed me a really low-pressure way to engage with my fellow students. I started showing up on Thursdays and somehow ended up working the front table and before I knew it I was running for, and being elected to, SMB VP (BBQ Co-Chair) and later AES President and working daily with a group of people that I would not trade for the world. I would never have become close to them if not for showing up to those first few AES events.

What makes the BRAE Department Special?

This department will change the way you think. This department hones in on the student skills in critical thinking and community engagement. You work on real things, not theories. You get the opportunity to get out of your comfort zone, it is mandatory with the class requirements, and you will leave this department with a greater breadth of knowledge than most other college graduates. We are a small department and because of this we get really close to each other. You also have more opportunities to engage with your professors because they do have an open door policy and are generally knowledgeable and want you to succeed. You will always have a support network here when you need it and the knowledge of your degree that will make you a valuable member of any team.



AES Meeting Recap!



Last Wednesday was the monthly AES General meeting, the club hosted an Industry Panel allowing club members to ask questions about potential careers!

Thursday was the annual AES Career Fair, with 33 companies in attendance.

“Work Horses” of the Month!

- Jenna Smiley
- Trevor Poindexter
- Virgil Threlkel
- Dr. Guadi
- Garrett Forbes
- GW Bates
- BBQ crew

Friend on the Month

- 1st runner up Vicky Duran
- 2nd runner up Dr. Peter Livingston

President’s List 2015-16

- | | |
|------------------------|------|
| Molly Marie Barker | ASM |
| Helen Barnes | ASM |
| Henry Boersma, | ASM |
| Gregory Borba | ASM |
| Bradley Dickson | ASM |
| Israel Garcia | ASM |
| Dylan Goodwin | BRAE |
| Nicholas Hembree | BRAE |
| Alexander Marsh | BRAE |
| Kellen Samuel McMickle | ASM |
| Martha Mae Moak | ASM |
| Lillian Muir | BRAE |
| Natasha Panattoni | BRAE |
| Matthew Rahe | ASM |
| Charles Ross | BRAE |
| Dylan Soares | BRAE |



Thank you to President Armstrong for your support of BRAE students honored on the 2015-2016 Presidents List!

March & April Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
5	6	7	8	9 AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:10-7:50 8-122	10	11
12	13	14	15 AES Bowling Night 6PM Mustang Lanes	16 AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:10-7:50 8-122	17 Last Day of Classes	18
19	20	21	22	23	24	25
Finals Week						
26	27	28	29	30	31	1
Spring Break						
2	3 Spring Quarter Begins	4	5	6 AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:10-7:50 8-122 Spring SWE Welcome Sign Up 9:00AM	7 Spring SWE Welcome Sign Up 9:00AM	8

Precision Agriculture and Automation Club (PAAC)

Thursday, March 9th, PAAC is meeting at 6:10 - 7:50 pm in BRAE 8 - 122 -surveying room to develop robotics strategies for the ASABE competition. Come one, come all for a night you don't want to miss! Dinner will be served.

Engineers Without Borders (EWB)

Week 9

Announcements

Officer Board Nominations!

It's time to nominate officers for next year! Please nominate someone for an officer board position here. Please submit all nominations by midnight April 14th, 2016. Here is a sheet detailing the officer board positions and responsibilities. Elections will take place April 19th.

EWB Journal

Hi EWBERs,

EWB is doing something new! We will be releasing a year-end journal filled with content created by our members. The journal will be published as a PDF on our website and sent out in emails and newsletters. This is a great opportunity to show our families, communities, friends, and supporters what we've been up to!

Right now we're early in the process of putting this together and need your help!

Names! Suggest names for the journal here. We want something catchy and descriptive of what we do. Be creative!

Design - If you have made any cool art inspired by your time in EWB, we would love to showcase it in the journal!

And of course, content! If you have something you've created and you want to share it in our EWB world, consider submitting it! If you have an idea but want to develop it more, come chat with Dan and Beth at tea time from 10-12pm on Fridays in the library. Draft/outline submittals will be due Friday of Spring quarter Week 4 and final products will be due Friday of Week 7. We'd love to see essays, op-eds, photos, poems, drawings, academic articles, creative writing, anything that excites you as you work on it.

Email Dan (hornettd@gmail.com) or Beth (bhotchkiss4@gmail.com) if you have any questions or thoughts.

Events

1. Mon- Sustainability Task Force, Project Meetings
2. Tue- IMPACT Meeting
3. Fri- EWB Tea Time, Nicaragua Concert

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 every Monday in Building 53, room 202 (India Room).

Engineers Without Borders (EWB) cont.

Project Meetings are every Monday at 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. 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!

The Nicaragua team is putting on its annual benefit concert this Friday 6 pm at Building 8-123 (BRAE) to raise money for their water distribution project. There will be musical guests, food, and a LIVE auction. Make sure to bring extra cash or venmo for auction items and food!

Tickets are \$5 presale, \$7 at the door, You can pay cash or Venmo @EWBNicaragua

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](#).

TRC Environmental Engineering/Remediation Intern App Due March 15th

[Click here for the flyer!](#)

Society of Women Engineers (SWE)

Spring SWE Welcome Sign Ups

When // 10:00 am on Thursday, April 6 to 9:00 am on Friday, April 7

Where // Cal Poly Campus (i.e. ATL, Engineering Plaza, Residence Halls)

Welcome conditionally admitted female engineering students to Cal Poly, SLO and show them what it is like to live like a Mustang for a day! Participants will shadow engineering students. They will attend your classes, tour the campus, stay overnight in your residence hall, and find if Cal Poly is the right fit for them. Day and overnight host spots are available. Free food and t-shirt for all hosts! If you're interested, sign up [here](#).

TICKETS NOW AVAILABLE!
RETIREMENT DINNER HONORING
MARK AND MIKE ZOHNS



Friday, April 7, 2017
 5–7 p.m.
 Bldg. 8A, BRAE Lab 1

\$25 per person

Includes beer, wine and a Santa Maria-style BBQ

Join us as we honor their service to Cal Poly and
 launch the *Mark and Mike Zohns*
Out-of-the-Classroom Experiences Endowment,
 which will benefit students in the BioResource and
 Agricultural Engineering and the Horticulture and
 Crop Science Departments.

Additional information can be found at
brae.calpoly.edu and aepe.calpoly.edu

CAL POLY

College of Agriculture, Food
 & Environmental Sciences
 BioResource & Agricultural
 Engineering

CAL POLY

College of Agriculture, Food
 & Environmental Sciences
 Horticulture & Crop Science



WHO WE ARE

Based out of Modesto, California, G3 Enterprises was founded by the 3rd Generation of the Gallo Family with the vision of expanding services and increasing productivity to better serve the wine and spirits industry. With more than four decades of experience, we deliver results while building partnerships with our customers and suppliers throughout all of California.

PAID INTERNSHIP OR SEASONAL WORK BEGINNING LATE JULY

As a G3 Enterprises Intern or Seasonal Hire you will report directly to the Manager of Agricultural Transportation. You will assist the Agricultural Transportation team in executing on the group’s mission, including, but not limited to: service integrity, outstanding customer interactions, billing systems input and analysis, and special projects.



QUALIFICATIONS & RESPONSIBILITIES:



- Must be able to take Fall Quarter off (Harvest is July - November)
- Ability to work 6 days a week, 12 hour days
- Coordinating delivery times and grape varieties with Winery Grower Relations
- Assisting Dispatching Towers for scheduling grapes & pomace
- Collecting vineyard data & paperwork from contracted growers
- Participating in billing systems for transportation of grapes and pomace
- Responsible for day-to-day winery processes from Dispatch Center
- Maintain a written weekly schedule of activities and attend required meetings
- If hired under the Internship Program, the intern will create a project/binder that synthesizes their work over the course of harvest

CURRENT OPPORTUNITIES FOR HARVEST

- Field Dispatcher. You will be required to communicate with growers, truck drivers, and winery dispatch. The field dispatcher is the eyes and ears out in the field and will help coordinate deliveries. A vehicle will be supplied. Clean driving record required. Bilingual in Spanish is helpful, but not required.
- Shuttle Operations. Coordinate grape loads at the winery to the crush pits. Strong communication and operational skills needed. Bilingual in Spanish is helpful, but not required.
- Billing Systems. You will be required to talk with carriers, truck drivers, and winery dispatch. Focus on process improvements and billing accuracy for grape and pomace loads. Able to learn new systems quickly and handle large volumes of paperwork daily. Proficient in Excel. Bilingual in Spanish is helpful, but not required.

WHAT WE OFFER

We offer excellent experience, very competitive salary, and potential for future career opportunities. Contact: Patrick Frazier at Patrick.Frazier@G3Enterprises.com

PROFESSIONAL EXPERIENCE YOU WILL GAIN

The G3 Enterprises Agricultural Transportation Internship Program is a three to four month internship designed to give broad-based exposure to the day-to-day activities of transporting grapes and pomace. Interns in the program can be expected to participate in include Fresno, Livingston, Lodi, Central and North Coast



#POLYGIVES SOCIAL CONTESTS

MARCH 9 // SHOW YOUR CAL POLY SPIRIT



1 #TBT FAVORITE CAL POLY MEMORY

Cal Poly has given you tons of awesome memories, whether it's sunsets, sporting events or friendships. #TBT your favorite Cal Poly memory by 6pm using #PolyGives and be sure to tag Cal Poly for a chance to win!

PRIZE: Mustang Lanes 2-Hour Bowling Alley Takeover (you + 49 friends)



2 \$500 CLUB SCHOLARSHIP

Have a club or club project that you're proud of? Show it some love and post a photo by 6pm using #PolyGives and be sure to tag us for a chance to win!

Must be an official or recognized Cal Poly club. Winner will be chosen at random, so the more people from your club that post/share, the better your chances are to win.

PRIZE: \$500 Club Scholarship



3 BEST CAL POLY SPIRIT PHOTO

Show off your green and gold spirit! Post a photo by 6pm using #PolyGives and be sure to tag us for a chance to win!

PRIZE: Pair of Spring Stampede Tickets



4 BEST THANK YOU CARD PHOTO

Post a photo of you writing a thank you card at one of our booths at UU Plaza, Dexter or the Library by 3pm using #PolyGives and be sure to tag Cal Poly for a chance to win!

PRIZE: #PolyGives Prize Pack



5 BEST UU HOUR PHOTO

Post a photo of you at UU Hour by 12pm using #PolyGives and be sure to tag Cal Poly for a chance to win!

PRIZE: #PolyGives Prize Pack





INTERN - Irrigation System Evaluator

Duration: Approximately from early June through mid-Oct. (flexible)

Wages: \$16.00/hour – 40 hours/week. No benefits.

Description of Work:

Solano Irrigation District is seeking a self-motivated individual to assist in the implementation of water efficiency programs for agricultural and landscape customers. Examples of services the intern would manage, under supervision, are on-farm irrigation evaluations and soil moisture monitoring. The intern would also assist District staff with pump efficiency tests, landscape irrigation audits and commercial water use surveys. Other related duties, as assigned.

Qualifications:

- Must be 18 years of age or older.
- Currently enrolled in a post-secondary educational program leading to an undergraduate or graduate degree and in good standing at their college or university. Students must retain their status until the end of the internship. Students may work full-time during the summer without being enrolled; however they must be returning to school and pre-registered for the next term.
- Current Valid CDL with satisfactory driving record.
- Good written and verbal communication skills required.
- Basic knowledge of irrigation system functions, either from design or field experience.
- Proficiency in Word and Excel required.
- Students studying agriculture or agricultural engineering a plus.
- Ability to speak Spanish a plus.

Questions can be directed to Paul Lum at (707) 455-4024 or lump@sidwater.org

Final Date Applications Accepted: 5:00 p.m. – April 14, 2017

Send Application to:

Solano Irrigation District
Attn: Human Resources – Intern Position
810 Vaca Valley Pkwy., Suite 201
Vacaville, CA 95688

The D. Marlin Brandon Rice Research Fellowship

A memorial fellowship has been established in honor of Dr. D. Marlin Brandon, renowned U.S. rice production agronomist, to provide financial assistance to students pursuing careers in rice production science and technology.

One or more awards may be made annually if suitable candidates are found. The amount of awards may vary with available funds. Former recipients may be considered for awards in subsequent years. The fellowship(s) in the amount of \$2,500 will be awarded at Rice Field Day, August 30, 2017.

Selection Criteria

Qualified applicants will be full-time graduate or undergraduate students enrolled in the University of California or the California State University systems. Preference will be given to promising graduate students with demonstrated interest in pursuing studies in rice improvement, protection, management or utilization. Graduate or undergraduate students in majors with emphasis in the following areas of study will be considered:

1. Agronomy/Crop Science
2. Plant Biology
3. Plant Protection/Pest Management
4. Soil Science
5. Plant Nutrition
6. Plant Breeding/Genetics/Biotechnology
7. Plant Pathology
8. Weed Science
9. Food Science and Technology
10. Agricultural Engineering
11. Agricultural Economics

Additional eligibility requirements include U.S. citizenship and a grade point average that qualifies for entrance to graduate school. The recipient will be required to attend the Annual Rice Field Day to receive their award. All recipients will be known as D. M. Brandon Rice Scholars.

For more information and scholarship applications, stop by the BRAE office

Good luck with the upcoming end of Winter Quarter!