Engineering and Systems Management Support for Agriculture
The Weekly Newsletter for the BioResource and Agriculture Engineering Department

Week 10~ March 9th, 2020

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**March-April Calendar**

**Finals Week**

**St. Patrick's Day**

**Enjoy Spring Break**

**César Chávez Day of Service**

**American Flags**
Emma Gray is a third-year BRAE student focusing on water and irrigation. When considering Cal Poly, Emma was set on a career in environmental engineering, but today she finds herself interested in joining the wine industry. She says that after her first quarter in the BRAE department, she fell in love with the program, and that is what helped mold her career aspirations. Emma has had the opportunity to complete many hands-on research projects and undergraduate research in the department and says about the opportunity, “I couldn’t be happier”. Recently, Emma completed a project on a water hammer/pressure relief valve, of which she received a prize for best student poster at the ASABE conference at the World Ag Expo in Tulare, CA. Outside of the BRAE Department, Emma spends her time surfing the waves of the central coast and creating unique art pieces.

Emma says she is excited for what her future holds and cannot wait to get more involved in the agriculture industry.

Keep it up Emma!
WHO: Cal Poly BRAE & ASM Major Concentration (all majors welcome)
WHAT: A professional club that promotes experience in industry as well as developing connections with industry professionals
WHEN: Next General Meeting in Spring Quarter
WHERE: BRAE Lab 1
WHY: To give professional opportunities to Cal Poly students by allowing them to associate with industry professionals as well as another learning outlet to discover the variety of career paths they can take with their major
HOW: By being present and engaged, and enjoying a great BBQ!, Cal Poly Students will have access to more personalized information about their future within the Cal Poly BRAE Department as well as their career following college
Thanks for showing interest in PAAC!

Weekly General Meetings

Come find out what projects we’re working on this quarter!

Weekly meetings take place on **Thursdays at 11AM**, in **Building 8A Lab 4**.

As always, feel free to email **paac@calpoly.edu** with any questions.
BRAE is offering FREE FINALS Tutoring

Standard Tutoring Times:
Monday, Wed, Fri from 6pm to 9pm.
Tuesday-Thursday from 2pm to 5pm.
Saturday from 1pm to 5pm.

**Additional times by appointment**

I may not be on campus if nobody requested my presence as this is technically a 10 hour a week job (not 19), but will come immediately if you send an email or give a call. I have so many hours that I keep open because I want to help as many of you as possible. Its good to RSVP and let me know what you want to study and when. If the material is digital, send me a copy; if its a physical book, bring it with you.

Classes offered: Calculus, Physics, Statics, Statistics, Chemistry, Dynamics

**CONTACT**

My phone number is 559 940 5215 and will also work for Signal and WhatsApp.
My emails are jwoodrin@calpoly.edu and woodring.josh94@gmail.com

Josh Woodring
Internship and Employment Opportunities

ASM and BRAE students and graduates are in high demand!

Check out [www.brae.calpoly.edu/students/employment](http://www.brae.calpoly.edu/students/employment) for even more postings!

Career Services can help you explore career options, prepare for your internship/job search, connect with employers, and more! Please visit their website for information on the services and resources they provide.

Ag Consultant/Sales

Dellavalle Laboratory, Inc. is an agricultural consulting company & laboratory based in Fresno, CA. We are seeking an Ag Consultant who is hardworking, enthusiastic and knowledgeable about California crops and soils. As a Consultant you will interact with clientele such as growers, dairies, food processors, engineers, homeowners & water purveyors. Providing fertilizer recommendations, soil reclamation assistance & crop nutrient management plans, and irrigation management are key parts of the job. You may conduct soil studies for crop production, offer advice for agronomic/environmental clients, investigate crop loss, and be involved in sales of our services. The Consultant will work primarily in the Fresno to Modesto areas.

A BS or MS degree in Soil Science, Plant Science, and Agronomy (or a related field) is required. A strong candidate has experience in soil fertility and salinity management, crop nutrition & irrigation management in row, vine & tree crops and is computer proficient. A Certified Crop Advisor is preferred, or this certification must be attainable.

Salary based on experience and benefit package available. Submit your resume to m.romero@dellavallelab.com or

Attention: Monica Romero, Human Resources

Dellavalle Laboratory, Inc.
1910 W. McKinley Avenue, Suite #110
Fresno, California 93728
College Intern Program

Career Opportunities

Rain for Rent’s College Internship Program is designed to give students valuable educational training through on-the-job experience.

To be eligible, students must have completed at least one year of full-time undergraduate studies with a GPA of 3.0 or greater and be currently enrolled with a minimum of 12 units.

If you are interested in gaining real-world experience to supplement your classroom education, Rain for Rent offers summer internships in Engineering, Sales, Management, Information Technology, Human Resources, Safety, Accounting and Marketing. **Application deadline for summer internship is May 31.**

To apply, request an Intern Application from careers@rainforrent.com and send to Rain for Rent, P.O. Box 2248, Bakersfield, CA 93303. Inquiring minds can visit our webpage www.rainforrent.com to obtain additional information about Rain for Rent’s locations, products and services.
Rain for Rent is pleased to announce its 2020 Scholarship Program. Twenty scholarships in the amount of $1,500 each will be awarded to qualified students to help them pursue a career in agriculture, engineering or construction management.

Students may read about the Charles P. Lake/Rain for Rent Scholarship on the Rain for Rent website - https://www.rainforrent.com/careers/students-and-recent-graduates/the-charles-p-lake-rain-for-rent-scholarship/

Students must apply on the Charles P. Lake/Rain for Rent application form attached to this e-mail to scholarshipcoordinator@rainforrent.com

Deadline for application is April 30, 2020.

Scholarship applicants must be nearing completion of their freshman year at an approved college/university and must be currently enrolled for the next school year within the following criteria:

1. Applicants must have an overall grade point average of 3.0 or above.
2. Applicant’s education emphasis must be in agriculture or engineering with a major in agricultural, mechanical, civil, manufacturing engineering or construction management.
3. Preference will be given to those students who are specializing in irrigation technology, pumps, fluid dynamics and trenchless technology.
4. Students must be a U.S. citizen.
5. In the event that the applicants are equal in their academic achievements and extracurricular activities, the scholarship will be awarded on the basis of need.
6. Official transcripts must be submitted for each applicant but may be sent under separate cover.
7. Successful applicants must attend a Rain for Rent orientation and provide us with a photo for promotional purposes.

You have received this letter as a student majoring in agriculture, engineering or construction management. You may forward your application along with your official transcripts directly to our Scholarship Coordinator, Dario Catallo scholarshipcoordinator@rainforrent.com. All applications and official transcripts must arrive prior to the April 30th deadline. These applications will then be presented to our Scholarship Committee for final selection on or before May 29, 2020. Payment of the scholarship will be made upon completion of the requirements provided in the Scholarship Brochure.

Please direct any questions to our Scholarship Coordinator, Dario Catallo at 661-858-7566, e-mail scholarship or address 5101 Office Park Drive, Bakersfield, California 93303.
CAFES – Student Experimental Farm

Student Manager
Starting pay: $18 per hour

Job Description:
The College of Agriculture, Food and Environmental Sciences (CAFES) seeks to fill a part-time Student Manager position for the Student Experimental Farm. The Student Manager will directly report to the Director of the CAFES Sustainability Center and the Director of the Agricultural Operations (Position Facilitators). Additionally, this position will provide input to the SEF Advisory Committee on a quarterly basis. This position will be required to follow direction from CFS Director and Ag Ops Director to execute all tasks assigned, and take on a level of management or entirely manage specific components of the SEF. The position will execute all SEF tasks on a day to day basis, and will serve in a supporting role to students, staff and faculty conducting projects and/or research at the SEF.

The SEF has three primary goals: provide a place for educational exploration; provide research and hands-on educational experiences to Cal Poly students, faculty, the agricultural industry and community; and demonstrate working agricultural systems in coastal California climates. The SEF Student Manager will play a critical role in achieving these goals on the ground, and assist the SEF Advisory Committee in maintaining a productive farm that serves these goals to the highest capacity.

Position Responsibilities:
- Be able to work 10 to 20 hours per week during the Fall, Winter and Spring quarters.
- Provide day to day maintenance to the SEF (infrastructure, weed control, cleaning and organizing storage areas, irrigation, equipment, hand tools, etc.)
- Be able to attend food safety training classes for specific levels of certification, record keeping, etc.
- Collect student/class project proposals and submit to position facilitators.
- Provide assistance to student clubs conducting project work at the SEF.
- Provide assistance to faculty conducting research at the SEF.
- Meet weekly with the position Facilitators to develop action plans.
- Provide a quarterly report to the Advisory Committee on all activities, projects, etc. pertaining to the SEF.
- Perform other job-related duties and special projects as assigned.

Position minimum qualifications:
- Must be at a sophomore academic level or higher at Cal Poly
- Ability to move/lift equipment and supplies up to 50 lbs.
- Must be able to work outside under different weather conditions
- Experience operating power tools, power equipment and hand tools for maintaining the SEF.

Preferred qualifications:
- Be able to work full time (40 hours per week) during the Summer break for the SEF and/or the Ag Operations Department.
- 2 years or more of the following experience: farming, gardening, landscape maintenance or related areas of experience.
- Graduate level student
- Experience operating tractors and farming implements

Applicants are to submit by email the following:
- Resume to include 3 references on your resume
- Cover letter

Please email resume and cover letter to BOTH (in one email, please):
Hunter Francis, Director – Center for Sustainability, wfrancis@calpoly.edu
Kevin Piper, Director – Agricultural Operations Department, klpiper@calpoly.edu

Application reviews begin on February 26, 2020
Position to remain open until filled
What is WWOOF USA?

WWOOF™ USA links you to 2007 active organic farmers and growers and 13499 WWOOFers in the USA.

WWOOF™ USA is part of the Federation of WWOOF Organizations®, a worldwide community that promotes awareness of ecological farming practices by providing visitors with the opportunity to live and learn on organic properties.

WWOOF™ was founded in 1971 is one of the world’s first ecotourism organizations. WWOOF now exists in 132 countries (and growing) around the world. WWOOF™ USA was founded in 2001. To WWOOF elsewhere please visit the Federation of WWOOF Organizations®.

WWOOF Mission Statement

Worldwide Opportunities on Organic Farms, USA (WWOOF™ USA) is part of a worldwide effort to link visitors with organic farmers, promote an educational exchange, and build a global community conscious of ecological farming practices. Learn more

https://wwoofusa.org
Outlook 2020 Agribusiness Conference

STUDENT RECEPTION

College of Agriculture and Real Estate Majors are invited to attend!

Tuesday, March 24, 2020
5:30 to 7:00 p.m.
Marriott Hotel at the Convention Center
300 South Court Street, Visalia

Learn about the ASFMRA and careers in...
Rural Appraisal • Farm Management • Agricultural Consulting

- Learn about programs, sponsorships and internships
- Meet with agribusiness professionals
- Ask questions about career opportunities
  - Network with industry peers
  - Make contacts for the future
- Refreshments provided!

Students planning to attend are asked to RSVP
Call (209) 368-3672 or email info@calasfmra.com

The Student Reception is sponsored in part by...
AGC University is a one-day program aimed towards California’s youth who are interested in a career in agriculture. Join us for a one-day conference filled with panels, mentor sessions, presentations, delicious food, drinks, and more.

**18 APRIL**
**FROM 8AM-6PM**

900 MARTIN LUTHER KING JR. WAY MERCED, CA

AGC University is a one-day program aimed towards California’s youth who are interested in a career in agriculture. Join us for a one-day conference filled with panels, mentor sessions, presentations, delicious food, drinks, and more.

**COMES LEARN FROM**

**CONRAD DE LA TORRE**
The Nursery Company

**PAT HILL**
Former Fresno State Head Football Coach

**RON DALFORNO**
Morning Star

**DOUG BRUNNER**
The Ag Center 59

**RUSSELL HARRIS**
The Almond Company

**SCOTT RHODES**
Maricopa Orchards

**INTERNSHIPS AVAILABLE!**

**GENERAL**  $20 TICKET  **STUDENT**  $10 TICKET

(Use code STUDENT59 at checkout- must show valid student ID at registration)

For more information please visit THEAGCENTER59.COM

AND MORE!
Engineering Intern

Purpose:
This position is for either a student or recent graduate in an engineering discipline at a university. As part of a temporary agreement, our company will place the individual in roles that typically require engineering degrees and experience.

Responsibilities:
- Perform limited data collection and analysis
- Participate in solid modeling design of components.
- Run tests and validity checks on data, equipment, or software.
- Clean, move, and maintain equipment and supplies.
- Assist team with design, administrative tasks, and project documentation.

Accountabilities & Competencies
- Safety
  - Safety aware and conscious of potential hazards. Looks for ways to proactively improve the safety environment he/she works in.
- Conceptual Skills
  - The ability to work and visualize abstract concepts and ideas
  - Effective organizational and time management skills.
  - The ability to prioritize and multi-task
- Process Improvement
  - Desire for continual learning and improvement
- Verbal Communication
  - Effectively craft and deliver concise and informative communications, to listen to and address the concerns of others, and to transfer and translate information from one level or unit of the organization to another.

For more information and to apply, contact hr@goflory.com