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

Week 4 ~ April 23rd, 2019

Scholarship Applications Page 4-5
DUE APRIL 30th

Clubs & Announcements Page 6-8

Career Opportunities Page 9-12
Agricultural Engineering Society

Outstanding Senior Recognition
(applicant must have senior standing)

Name: ________________________  Major: ________________________

List involvement in Departmental/AES Activities:

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Discuss how these activities have impacted you:

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<td>PAAC 6-7PM 8A-4C</td>
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INSTRUCTIONS – Complete this form and turn it into the BioResource and Agricultural Engineering Department Office. Deadline to submit application is April 30, 2019 [bldg. 8 room 101].

REQUIREMENT – For need based scholarships, please complete the FAFSA. For more information http://www.fafsa.ed.gov/

Legal Name____________________________________________________________________________
Last First Middle

Local Address__________________________________________________________________________
Street City State Zip

Permanent Address______________________________________________________________________
Street City State Zip

Major ________________ Student ID: ________________
Cell __________________

U.S. Citizen yes no If no, indicate visa type, number and date
____________________________________________________________________________
California Legal Resident [ ] yes [ ] no.

Current class level [ ] freshman [ ] sophomore [ ] junior [ ] senior

Expected Graduation Date ________________

List educational institutions attended

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Information regarding parent(s) and guardian(s)

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ACTIVITIES
List Cal Poly co-curricular activities

List community out-of-school activities

PREVIOUS SCHOLARSHIPS – List current or previous scholarships and awards

STATEMENT OF INTEREST IN MAJOR FIELD OF STUDY AND CAREER GOALS
PAAC is BACK!
Pizza is provided!
Meetings are Mondays from 6-7 pm in Building 8A, Lab 4C. Call or text 760-468-6076 if you need help getting there :)

Meeting Information
This week, we’ll touch base with each team, then each team will meet up and work on their aspects of the ASABE robot. As usual, we’ll be having free pizza!

ASABE Robotics Competition
Every year, PAAC builds tabletop robots that accomplish harvesting tasks. We recently received the tentative guidelines for this year’s competition! Click below for the details.
Hi EWB,
We hope you are ready for midterms! Read below to learn about some cool fundraisers coming up that you won’t want to miss.

Weekly Overview
Monday- Project Teams, Critical Global Engagement
Thursday- IMPACT, IM Soccer
Friday- Tea Time

Announcements
EWB Spring Banquet - We are very excited to announce our 2019 Spring Banquet will be happening on the evening of Friday, June 7th! Please fill out this interest form if you are interested in attending so we can make sure there is enough food. We will send more information in next week’s email.

Malawi California Pizza Kitchen Fundraiser - All day on Tuesday, April 26th! Go to CPK at any time on Tuesday and present this flyer and 20% of the proceeds will go to EWB Malawi! Bring your friends!

Art for Malawi - The Malawi Team is hosting an Art for Malawi Fundraiser on Saturday, May 4th from 5:30-9:00 PM. Admission is $5 and you can purchase a ticket online here. ALSO - If you would like to create a piece to be shown (and potentially sold) at the event, please fill out this form! We would greatly appreciate your creativity!

Fiji Benefit Concert - Saturday, April 27th from 3:00-6:00 PM! The price of admission will be $5 at the door. We will have 3 awesome bands playing. Click to see the flyer for more info and let us know if you plan to come so enough food is purchased.

Senior Recognition - If you are a graduating Senior and would like to be recognized at this year’s Spring Banquet please fill out this form by Friday, May 3rd!

We are looking for one person to fill one of the IMPACT Coordinator positions for 2019-2020. If you are interested in applying, please fill out this form.

Meetings
Project Teams: are every Monday from 7:00-9:00 pm for all 5 project teams unless otherwise specified. Here are the team room locations:

Fiji: 186-C200
Local Projects: 186-C203
Thailand: 186-C303
Nicaragua: 186-C202
Malawi: 186-C300

Critical Global Engagement Club: At tomorrow’s meeting, we will discuss Bernard Amadei’s visit. The ideas and positions that Amadei shared were complicated and at times challenging to hear, so we wanted to create a space to debrief and process. We will discuss similarities, differences, and tensions between the positions of Amadei, EWB Cal Poly, EWB USA, and CGE. Join us Mondays 6:10-7 PM in 186-C200.

Tea Time: 11:00-12:00 PM on the second floor of the library near Julian’s Cafe.

IMPACT: Meetings are held Thursdays 2:10-3:00 pm on the second floor of the library near Julian’s.
Voting for the 2019–20 ASI president and ASI Board of Directors will take place from Wednesday, April 24 at 9 a.m. through Thursday, April 25 at 9 a.m. Access the ballot on the ASI website at http://www.asi.calpoly.edu/ or through the My Cal Poly Portal.

ASI Student Government encourages all students to take an active role in selecting the next ASI president and Board of Directors. By participating in the elections process, you are engaging in shared governance to create a better Cal Poly for current and future generations of students!

Please stop by the candidate meet and greet on Tuesday, April 23 at 11 a.m. to learn more about the candidates and their platforms.

ASI Elections Timeline:
Voting Begins: Wednesday, April 24 at 9 a.m.
Voting Ends: Thursday, April 25 at 9 a.m.
Election Announcement: Thursday, April 25 at 11 a.m., University Union Plaza

Please visit the ASI elections website for more information.

Wednesday, April 24 - Thursday, April 25
10 a.m. - 5 p.m. | University Store
Commencement Kickoff provides students who are eligible to participate in Spring Commencement 2019 the opportunity to acquire all their needs for the big day in one convenient place. Designed as a “one-stop shop,” students can purchase:
- Caps, gowns, tassels and other university regalia
- Graduation announcements
- Class rings
- Diploma frames
- Flowers, leis and gifts

https://content-calpoly-edu.s3.amazonaws.com/commencement/1/images/buttons.png

The following resources will also be available at Commencement Kickoff. Be sure to stop by each table to check everything off your list:
- Commencement Office: Meet the Commencement Office staff, enjoy free food and win exclusive Class of 2019 prizes!
- Ticket Office: Speak to representatives of the Ticket Office about any questions or concerns you have about your ceremony tickets.
- Alumni Association: Learn about your Cal Poly Alumni Association membership.
- Career Services: Explore the many career resources and services available to Cal Poly alumni.
- Senior Gift Campaign: Learn about the Senior Gift campaign, a fundraising effort led by current Cal Poly seniors benefiting the health, happiness and well-being of Cal Poly Students.
Internship and Employment Opportunities

ASM and BRAE students and graduates are in high demand!

Check out 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.

Designer Apprentice (Water)-Service DESIG01625
Full-Time Santa Maria, CA 93455, USA

This individual will design and develop irrigation systems within standard industry parameters that produce the best results for customers. Based upon their level of expertise, the Designer Apprentice may work under direct supervision. They will be responsible for partnering with multiple resources in project management activities that include the design and estimating to ensure such projects are constructed in accordance with the project plan.

Specific Duties Include:

Increasing RDO Water’s visibility and customer participation in the agricultural irrigation segments; this will be accomplished by direct personal contact with growers, other end users and Account Managers.

All irrigation design functions including: preliminary project assessment, planning, design, hydraulic calculations, application rates, control systems, valves, pumping requirements, filtration requirements, water transportation pipelines, and reservoirs.

Complete all design and engineering functions in a timely and efficient manner to meet customer’s requirements, while adhering to the highest level of industry standards and integrity.

Develop accurate design material lists ensuring all material quantities and specifications are correct.

Support sales and service team members with project implementation whenever requested in a timely, thorough, and professional manner.

Assists customers and sales team in the field and office with irrigation design and application-related questions.

Work to improve water and soil conservation techniques.

Follow all safety rules and regulations while performing work assignments and adhere to all policies and procedures as specified in company manuals and as directed in the employee handbook.

Conduct self in the presence of customers and community so as to present a professional image of RDO Water.

Pro-actively seek and participate in available company-sponsored training, in an effort to develop and advance knowledge base and skill set.

Participate in all company/location driven communication efforts, including open book meetings, huddles, department meetings and other related efforts.

Maintain a positive and professional working relationship with peers, management, and support resources, with a constant commitment to teamwork and exemplary customer service.

Perform all other duties as assigned by management in a professional and efficient manner.

Requirements

Knowledge of Ag hydraulics, pumping, irrigation system design, water handling products for agriculture crops a plus

Proficient in AutoCAD

Excellent verbal and written communication skills

Strong analytical skills

Strong computer skills

Basic customer service skills

Bachelor’s Degree in Agriculture, Engineering or related subject is preferred

Candidates must have valid work authorization and be able to work in the U.S. without company sponsorship

CAFES Student Employees Needed:

We are spreading the word that we are in search of student employee’s. We have openings in the following:

Irrigation Technician’s

Compost Technician’s

Shop Mechanic Technician’s

Please if you have anyone with interest they can contact me @ cakendal@calpoly.edu (805)756-2563 or drop by the farm shop. The positions are open immediately and we are also considering for summer positions. Thank you all for your time.
Rain for Rent is looking for a BRAE student to fill the engineering intern position available for Summer 2019. Students interested in applying should send their resume to Chris Cannella, Engineering Supervisor, ccannella@rainforrent.com

Responsibilities Include:
• Irrigation, Water Bypass & Transfer systems design
• AutoCAD drawings of installations details.
• Capable of interpreting pump curves for selection purposes
• Be able to answer compatibility questions with Rain for Rent
• Help the sales team with engineering questions
• Have an excellent sense of organization
• Other duties associated with engineering staff activities

Job Opening Website:
https://rn11.ultipro.com/WES1012/JobBoard/JobDetails.aspx?__ID=*D5A2085A87A86D04

Thank you,

Jose Antonio Bejarano Padilla

Undergraduate
BioResource and Agricultural Engineering
California Polytechnic State University
San Luis Obispo, CA 93407
Email: jabejara@calpoly.edu
Phone: (415) 464-7525

We are looking to find a summer intern to manage some large irrigation trials this summer and hoping you could help us. Our farm manager has called whatever contacts he had and are getting the run around.

Here is a brief description on what the summer internship looks like

+ Evaluate Hose reel Sprinkler Performance and Dead bed Certa lok fields
+ Evaluate current irrigation practice,
+ Collect Data in field
+ Time study on project; labor, water usage
+ Help set up and break down of irrigation equipment
+ Evaluate distribution of irrigation moisture
+ Recommend any findings throughout project that may benefit its outcome
+ Provide a finalized report on finding
+ Be in daily communication with farm Managers and Director
+ Paid hourly summer internship in Salinas Ca.
+ Housing on campus is available
+ Valid class C driver Licence
+ 10-11 hours per day
+ 80% of time in field Hands on
+ 20% of time in office
+ Excel skills needed

Please have students call me or email at anytime

Brian Antle
President PlantTape USA PlantTape
Office: 831 455 3902
Mobile: 831 229-7249
BrianAntle@TAPRODUCE.COM
(www.taproduce.com) [http://www.taproduce.com]
THE CAREER & LIFE SUCCESS SUMMIT

PREPARING YOU FOR YOUR FUTURE

Your Exclusive Access to Industry Leaders in a Variety of Fields!

Friday, May 3

10am - 11am
Bldg. 180, Rm. 102
“How Emotional Intelligence is Linked to Career Success” Panel Discussion

11am - 12pm
Bldg. 180, Rm. 112
Unlocking the Entry Point to Your Career Path: Lessons from a Venture Capitalist

11am - 12pm
Bldg. 180, Rm. 107
Resume Feedback Session
(Bring your resume for in-depth feedback)

1 - 2pm
Bldg. 180, Rm. 107
Speed Mentoring
(Rotate through one-on-one conversations)

2 - 4pm
Baker Lawn
Mixer & Closing Remarks/Key Lessons
(Enjoy appetizers and build relationships)
Hi everyone! My name is Danica and I’m a 5th-year Liberal Arts and Engineering Studies (LAES) major. For my senior project, I am looking for engineering students at Cal Poly who can participate in my survey! My research examines higher education engineering culture and how it affects the academic experience of women and people of color in engineering. The survey shouldn’t take more than 10-15 minutes and I would greatly appreciate your participation! Please don’t hesitate to reach out if you have any questions at all. Thanks so much!

Link: http://tinyurl.com/engineering-culture-survey
Career Opportunity

RDO Equipment Co. is actively seeking candidates for the following position in Santa Maria, CA:

**Design Apprentice**

This individual will design and develop irrigation systems within standard industry parameters that produce the best results for customers. Based upon their level of expertise, the Designer Apprentice may work under direct supervision. They will be responsible for partnering with multiple resources in project management activities that include the design and estimating to ensure such projects are constructed in accordance with the project plan.

**Position Requirements:**

- Knowledge of Ag hydraulics, pumping, irrigation system design, water handling products for agriculture crops a plus
- Proficient in AutoCAD
- Excellent verbal and written communication skills
- Strong analytical skills
- Strong computer skills
- Basic customer service skills
- Bachelor’s Degree in Agriculture, Engineering or related subject is preferred

- Opportunities are available for significant training and career path development programs.
- We pride ourselves on our culture and family feel.
- Competitive wages and profit sharing are offered.
- Benefits include medical, dental, life insurance, paid vacation and holidays, and more!

For more information please visit rdoequipment.com/careers

EOE/M/F/Disabled/Veteran