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

Week 5 ~ April 30th, 2019

Scholarship Applications & Outstanding Senior DUE TODAY APR. 30th
Clubs & Announcements Page 6-9
Career Opportunities Page 10-15
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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<th>Sunday</th>
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<td>PAAC 6-7PM 8A-4C</td>
<td>CAFES Council 5:10PM 08-122</td>
<td>Grow Crew Meeting 11-12 Lab 4</td>
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<td>AES Barbecue BRAE Ramp</td>
<td>CAFES Research Seminar 10-206 12:10-1:00: Controlled Environment Agriculture—Today and Tomorrow</td>
<td>FFA State Finals</td>
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<td>Scholarship Applications Due</td>
<td>ASI Board of Directors Meeting 5:10PM UU220</td>
<td>Safety Glasses Giveaway 11-12 180 2nd Floor</td>
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<td>AES Banquet 5-6 Social Hour 6-7 Dinner 7-9 Awards</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____________________________________________________________________________
First Name: ___________________________ Middle Name: ___________________________

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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<tr>
<th>Schools Attended</th>
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Information regarding parent(s) and guardian(s)

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<th>(Father or Guardian)</th>
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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
Team Check-Ins
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,
Happy week 5! We hope you enjoy the fresh new format of this week’s email.

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

**Announcements**
**General Meeting**
In partnership with CGE, this week’s general meeting will be a discussion focusing on exploring the differences between our own models of global engagement/development work and commonly practiced models.
Please join us Wednesday 6:00-7:30 PM in 10-226.

**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!

**IM Soccer**
Join us Thursday Nights at 8:30pm on the Upper Turf Field! Please fill out this form if interested in being added to the IM GroupMe.

**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.

**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!

**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 work on our projects. This quarter we are working on failure presentations, pre-travel workshops, a participatory research toolkit, and a NEW PROJECT: a CGE/EWB Cal Poly global engagement framework. Stop by to learn more! Join us Mondays 6:10-7:00 PM in 186-C200.

**Tea Time:** 11:00-12:00 PM on Friday 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.
Faculty and staff in areas where eye protection is required are invited to join us for our safety glass giveaways during Safety Week. We will have multiple styles and colors to choose from at the following locations:

- Tuesday April 30th from 11 a.m. to 12 noon in Bldg. 180, 2nd floor across from the Chemistry and Physics offices;
- Thursday May 2 from 11 a.m. to 12 noon in Bldg. 33, lobby area of 2nd floor;

Myron’s Faculty and Staff Mixer – You are invited to join your friends and colleagues at Myron’s for complimentary appetizers and drinks on Thursday May 2, from 4-6 p.m.

CAFES Research Seminar Series

Spring Quarter 2019

Please join CAFES for the Seminar Series on Fridays this Spring

Erhart Agriculture Bldg, 10, Room 206
12:10 - 1:00 p.m.

Currents in Sustainable Agriculture  April 26
Controlled Environment Agriculture: Today and Tomorrow  May 3
Stream Depletion and Aquifer Characterization for Sustainable Groundwater Management  May 10
Scientific Merits of Holistic Management  May 17
Cal Poly Sustainability Program  May 24
Iberian Pig Introduction to CA  May 31
Communication in Crisis  June 7
AES BANQUET
Saturday May 25

5pm Social Hour
6pm Dinner
7-9pm Awards

Come celebrate the end of another great year in the BRAE Department. All are welcome including friends and family. Scholarship applicants are particularly encouraged to attend.

Tickets sold in BRAE Dept. Office
Students: $25 - Staff: $30 - Everyone else: $35
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.

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.

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.
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

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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]
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.

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Brookwater Irrigation

Who We Are.
Brookwater is an Irrigation Consulting and Design firm that works on varied projects such as waterfront parks, sports and entertainment facilities, commercial and industrial projects, residential communities and transportation projects throughout California and the United States.

Brookwater Irrigation Consultants
480 St. John Street, Suite 220
Pleasanton, CA 94566
Phone: (925) 855-0417
Fax: (925) 855-0357
janet@brookwater.com

Stanford is also hiring as well:
Horticulture Planner https://careersearch.stanford.edu/jobs/horticulture-planner-5775
Sprinkler/Landscape Specialist III https://careersearch.stanford.edu/jobs/sprinkler-landscape-specialist-iii-2850
Sprinkler/Landscape Tech I https://careersearch.stanford.edu/jobs/sprinker-landscape-tech-i-3083

http://brookwater.com/index.html
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
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)
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

www.rdoequipment.com