If you are not already, be sure to follow the BRAE Department and Ag Engineering Society on Social Media!

www.facebook.com/CalPolyBRAE/ or @CalPolyBRAE
www.facebook.com/Ag.Engr.Society/ or @Ag.Engr.Society

AES Quarterly Activity Survey
What movie should we watch for the AES Quarterly Activity?
https://goo.gl/forms/MbaJtrhzx3PpU8ki2
VOLUNTEER OPPORTUNITY

GREAT PUMPKIN WEIGH OFF

18 OCT 2018 · 5PM TO WEIGH · 7PM TO CLEAN UP
MISSION PLAZA, DOWNTOWN

HELP AES WEIGH THE
BIGGEST AND BADDEST
PUMPKINS AROUND TOWN!!

Volunteers will be provided
with dinner!!!!

Contact Derek Uemura if you are interested in helping:
ag-engineering-society@calpoly.edu
October/November Calendar

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>CAFES Council Meeting 5:10PM 08-122</td>
<td>ASI Board of Directors Meeting UU220 5:10PM</td>
<td>AES Barbecue BRAE Ramp</td>
<td>Quarterscale Meeting 12-1 8A-33</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAFES Council Meeting 5:10PM 08-122</td>
<td></td>
<td>AES Barbecue BRAE Ramp</td>
<td>Quarterscale Meeting 12-1 8A-33</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAFES Council Meeting 5:10PM 08-122</td>
<td>ASI Board of Directors Meeting UU220 5:10PM</td>
<td>AES Barbecue BRAE Ramp</td>
<td>Quarterscale Meeting 12-1 8A-33</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAFES Council Meeting 5:10PM 08-122</td>
<td>Agricultural Engineering Society Meeting 6:00PM Lab 1</td>
<td>AES Barbecue BRAE Ramp</td>
<td>Quarterscale Meeting 12-1 8A-33</td>
<td></td>
</tr>
</tbody>
</table>
SWIIM provides a new standard in water measurement that allows growers to receive an accurate accounting of the water both delivered and consumed on their fields. This patented process was developed with the help of the USDA and is being used successfully by growers and water providers. SWIIM accounts for your water with the same precision as your CPA accounts for finances.

With the regulations and the increase costs associated with water usage this information is invaluable.

## Job Opportunities

<table>
<thead>
<tr>
<th>Grower Relations Representative – Southern (Inland) California</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: El Centro office with regional travel throughout CA, CO and AZ.</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: The grower relations representative serves as a liaison between SWIIM and its grower customers, which includes; managing grower relationships, developing and implementing grower communication programs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regional Project Manager – Central California</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Fresno office (or Kern County) with regional travel throughout CA</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: Managing multiple projects at locations throughout the Central Valley simultaneously and meeting related deployment deadlines. This includes field activities around installing and maintaining water measurement and related telemetry equipment.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grower Relations Representative – Central California</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Fresno office with regional travel throughout CA, CO and AZ.</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: The grower relations representative serves as a liaison between SWIIM and its grower customers, which includes; managing grower relationships, developing and implementing grower communication programs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sales Support Representative – Southern California</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: El Centro office with regional travel throughout Imperial and surrounding areas.</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: Manages generation and qualification of leads for the Southern California area. Also collaborates with a multidisciplinary team to support sales aspects of the company’s offerings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Manager &amp; Lead Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Central CA – South San Joaquin Area (some travel to Colorado and Arizona)</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: Managing multiple projects at locations throughout the Central Valley simultaneously and meeting related deployment deadlines. This includes field activities around installing and maintaining water measurement and related telemetry equipment and performing/reviewing water balance analyses at field and regional scales.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Deployment Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Central and Southern California (some travel to Colorado and Arizona)</td>
</tr>
<tr>
<td>Job Type: Full time salary. Health and related benefits available.</td>
</tr>
<tr>
<td>Summary: Install water recording equipment on various agricultural operations, initially located primarily in California, as well as potentially regions of Arizona and Colorado. This position is responsible for assuring timely implementation of the in-field, technical-side of the company’s product offerings.</td>
</tr>
</tbody>
</table>
Job Opportunity

Title: Outside Sales Position, Paso Robles  Reports to: Branch Manager

Summary:
Cal West Rain is seeking a motivated, experienced outside sales person to expand our current business, enlarge sales territory, and represent the company in a professional manner consistent with our core values of integrity, respectfulness, teamwork, and passion for excellence.

Objectives:

- Strengthen sales in current sales areas
- Expand sales territory north into Monterey County and South into Santa Maria area
- Represent Cal West Rain in a professional manner

Responsibilities:

- Portray Cal West Rain as industry leader and in professional manner
- Develop new customer relationships and strengthen market share in current sales area
- Expand current sales area to North and South of current areas
- Promote service and support sales streams
- Work with current team to meet customer’s expectations
- Assist current team in managing projects
- Select and design products for pumping needs
- Design and sell irrigation systems for drip, sprinkler, frost or flood
- Sales of well and reservoir pump repair
- Maintain accurate sales reports
- Communicate current market conditions to management

Requirements:

- Highly motivated team player with a desire to succeed at a high level
- High level of integrity
- Ability to relate and communicate well with ag customers
- Understanding of both pump and irrigation system operation and design
- Ability to prepare quotes
- Clean DMV record (driving is required)
- 4-year degree preferred
- Minimum of 3-5-year experience in Ag pump/irrigation or related industry

Compensation:

- Competitive Base Salary plus Bonus and incentives to be determined
- Health care and 401(k)
- Vehicle for company use (alternative plans also available)

Contact:  Jeff Oliver  jeff@oliverSC.com  559-434-8500
Cal Poly RESEARCH "WEEK"

Connect with ORED!

Plug Into Research Support
10:00am-1:00pm, Tuesday, October 23; Bonderson High Bay (197-107)

Find out about programs that support student and faculty research … explore internal and external funding opportunities … chat with your grants and sponsored programs analysis … get the scoop on research compliance topics such as export control and human and animal subjects … learn about protecting your intellectual property.

Win an iPad!
Plus other prizes!!
Snacks and refreshments!
Find out how we can help you!

Ignite Collaboration!

Research Lightning Talks
3:10-5:00pm, Tuesday, October 23; ATL (Building 7)

Are you looking for research collaborators? Come hear ten 4-minute presentations from faculty representing disciplines across campus, with a networking session afterwards.

Get Wired for Success!

Grants 2.0 Workshop
8:10-10:00am, Wednesday, October 24; ATL (Building 7)

Are you interested in obtaining funding for research, but aren’t quite sure how to get started? Have you submitted a proposal and had it rejected? Representatives from ORED and Hanover Research will provide information on Cal Poly’s grant administration, types of funders and funding, RFP analysis, concept development, building relationships with program officers, proposal writing, and detailed tips on developing the “DNA” of a proposal.

Learn from the experts!
Get your morning snack!

Possible collaborations from all over campus!
Beverages and snacks will be served!

CAL POLY Research & Economic Development
For more information, go to research.calpoly.edu or contact Allie Walter at abwalter@calpoly.edu, x65153.
Meetings are Thursdays 11-12 pm and 6-7 pm in room 8A-4C in lab 4.  
Call or text 760-468-6076 if you need help getting there :) 

This Week’s Meeting  
Program A Working Robot  
This week, we’ll be programming a robot powered by wheelchair motors that can be controlled with an Xbox controller! We'll be using Python to program it, but we'll make it as easy and accessible as possible. We'll also be going over the basics of GitHub, so feel free to bring your laptop! 

Project of the Week  
Tabletop Robot Design  
Help us design the base of our line following robots! 

AgBot Challenge  
PAAC is competing in both the Weed and Feed and Soil Sampling competitions. Information about past competitions can be found below!  

Info Here! 

ASABE Robotics Competition  
Every year, PAAC builds tabletop robots that accomplish harvesting tasks. The guidelines have not come out for 2019 yet, but information about past competitions can be found bellow!  

Info Here!
ISSUES AFFECTING CALIFORNIA AGRICULTURE

Wed & Fri, 10:10 a.m. – 12 p.m. in 10-206

Course Summary:

- Series of interactive seminars with speakers from government and industry, covering policy and regulations affecting California agriculture.
- Maximum of 20 students allowed.

Key Assignments:
- Work in teams to develop a public presentation and position paper on a significant issue.
- Field trip to Sacramento.

Prerequisites:
- Completion of GE Area D2 (Econ 201 or ECON 222) recommended
- Junior Standing
- Must be referred by your Department Head

Please see your Department Head if interested in pursuing this course.
Hi EWB,

Good luck on upcoming midterms!

Meetings:

Monday-
Critical Global Engagement Club,
Project Team Meetings,
IMPACT,
Crash Course

Wednesday-
IM Frisbee

Friday-
Tea Time

Announcements:
Our third Crash Course meeting will be tomorrow, 10/15, in building 52 room E27 from 7:10-9:00 pm.

All Project Team Meetings will continue to take place in building 38.

Join us for our EWB Backyard BBQ on October 21st 12-3pm.

DONUTS IN THE LIBRARY TOMORROW: Join the IMPACT team on the second floor patio in the library this Monday from 10-11 am for donuts and to find out more about how you can get involved with IMPACT!

Meetings:

Crash Course:
Our third Crash Course meeting is tomorrow tonight! We strongly encourage all new members to join us. The Crash Course Program is designed to introduce new members to our club with the goal of teaching every new member exactly how our club works from first picking a project all the way through implementing and monitoring the project. Last meeting we broke everyone up into groups, but if you missed it, don't worry! We will still assign you into a group. Note: if you arrive late to the meeting and no one is in the room, text Payton Thatcher @310-343-8630 and he'll help you out.

Critical Global Engagement Club:
Part of EWB's mission is to "empower communities to meet their basic human needs." This mission is admirable, but what does it look like in practice? What does it mean to empower a community? How can we confront the complex power structures that have inhibited communities from meeting their basic human needs? These questions have no simple, distinct solution. Critical Global Engagement (CGE) Club is partnering with EWB to host discussions and further projects to explore these questions. This week we will be having a discussion on 'sustainable development' and the UN Sustainable Development Goals. Join us Mondays 6:00-7:00 pm in building 38 room 220!

IM Ultimate Frisbee:
Please fill out this form if you are interested in playing frisbee this quarter so that you can be added to the Intramural GroupMe! Please remember that you don't have to show up to every game so no pressure! Games are Wednesday nights and the times are listed on the form. Come out for one or all games to have a great time with your fellow EWB friends!

Project Meetings
are every Monday from 7:00-9:00 pm for Local Projects, Nicaragua, and Malawi, and 8:00-10:00 pm for Thailand and Fiji. Feel free to try out different project teams and be sure to introduce yourselves to the PMs if you're new to EWB!

Here are the team room locations:
Fiji: 38-121
Local Projects: 38-204
Thailand: 38-219
Nicaragua: 38-220
Malawi: 38-225

IMPACT:
IMPACT, Engineers Without Borders' volunteering team, works with nonprofits across SLO County to carry on the tradition of thinking globally and acting locally. IMPACT organizes volunteering events that unite EWB members and fellow Cal Poly students with local nonprofits dedicated to the community EWB Cal Poly knows and loves. This quarter we will be researching ways to improve our annual EWB IMPACT Weekend that is scheduled for the end of winter quarter.

Meetings are held Mondays 10:00-11:00 am in the library second floor patio. There will be free donuts this week!!!

Tea Time is a time to chat with the president and vice president about anything and everything. It's basically open office hours and we'd love to see you! It's every Friday 11:00 am -12:00 pm. We will be at a table behind Julien's in the Cafe Lounge.

EWB Backyard BBQ:
Join your fellow EWB friends Sunday October 21st, from 12-3pm for a great get together filled with good food and fun. This is a great opportunity to meet other members of the club in a fun and relaxed environment. To sign up please fill out this form.
Hope to see you all there!