

Engineering and systems management support for agriculture

THE BRAE WEEKLY

The Weekly Newsletter for the BioResource & Agricultural Engineering Department



WEEK 2~ September 27th, 2017



Find us on:
facebook®

Welcome to Week 2! 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](https://www.facebook.com/CalPolyBRAE/)
www.facebook.com/Ag.Engr.Society/ or [@Ag.Engr.Society](https://www.facebook.com/Ag.Engr.Society/)

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Safety Tip of the Week

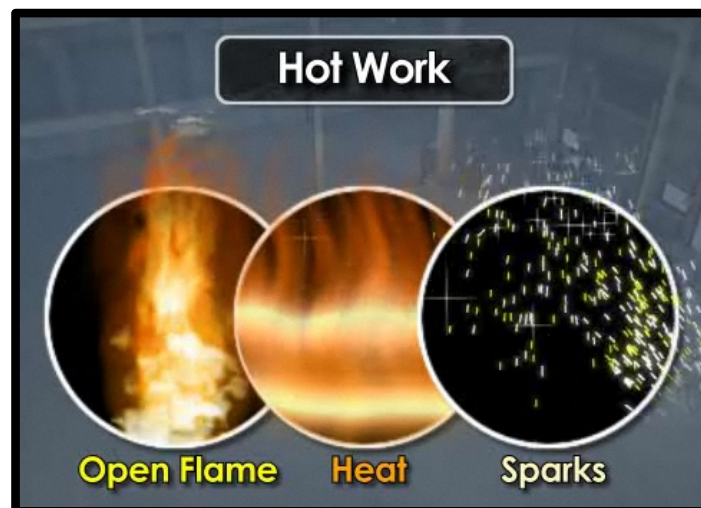
Beware of Hot Metal



When working in the labs, always be mindful of the presence of hot metal. This may include chips or shavings from the machines, recently welded material, and grinder sparks. Hot metal can not only cause serious injury, but can also start fires. Be mindful of your surroundings when working with hot metal or near someone who is. **Remember:** metal retains its heat for a long time and can remain hot long after someone walks away from it.

Be aware of the following:

- Never leave a heat source unattended
- Be mindful of hot metal chips when working on the lathe or mill
- DO NOT remove chips from the lathe or mill with your bare hands
- Be careful of hot **metal and work area** when welding
- DON'T USE GLOVES to pick up hot metal – use pliers or tongs
- Be mindful of hot sparks from grinding – sparks can cause fires
- Assume that all metal in the shop is potentially HOT!!!



Safety always comes first! Be sure to stay aware of your surroundings both in and out of lab!

September/October Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
24	25	26 CAFES Student Council Meeting 5PM 8-122 AES Officer Meeting 6:00PM	27 Fall Career Fair	28 Fall Career Fair AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:00PM 8A-3E Quarterscale Meeting 6:00PM	29	30
1	2	3 CAFES Student Council Meeting 5PM 8-122 AES Officer Meeting 6:00PM	4 First AES General Meeting 6:00PM BRAE Lab 4	5 AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:00PM 8A-3E Quarterscale Meeting 6:00PM	6	7
8	9	10 CAFES Student Council Meeting 5PM 8-122 AES Officer Meeting 6:00PM	11	12 AES BBQ 11AM-12PM @BRAE RAMP PAAC Meeting 6:00PM 8A-3E Quarterscale Meeting 6:00PM	13	14 Women in Agriculture and Leadership Seminar
15	16	17 CAFES Student Council Meeting 5PM 8-122 AES Officer Meeting 6:00PM	18	19 AES BBQ 11AM-12PM @BRAE RAMP Pumpkin Weigh Off 5:00PM PAAC Meeting 6:00PM 8A-3E Quarterscale Meeting 6:00PM	20	21

Society of Womens Engineers (SWE)

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Fall Girl Scout Day

When // October 15th from 9 AM - 12:30 PM

Where // ATL/Bonderson

Girl Scout Day is an amazing opportunity to share your passion for engineering with elementary-aged girl scouts! We need energetic volunteers to lead the scouts in “trick-or-treating” through three engineering activities, as well as people to lead labs and help with setup and cleanup. If you are interested in volunteering, please fill out this survey (<https://goo.gl/forms/31x9oNJCgNil3dh33>) and keep an eye out for subcommittee signups in the fall!

Building an Engineer Day

When // October 21st from 8:30 AM - 2:30 PM

Where // ATL, Bonderson, Engineering Plaza, miscellaneous classrooms

Building an Engineer Day is an outreach event for middle school students from the region to come to Cal Poly's campus and participate in hands-on activities hosted by various engineering clubs. We rely on clubs and volunteers to make this event a success and would appreciate your participation! If you are interested in volunteering your club to host an activity for BAE Day, please fill out this form. If you are interested in volunteering as an individual, please fill out this form. If you have any questions regarding this event, club volunteering, or individual volunteering, feel free to contact Claudia Mendez at cpswemsoutreach@gmail.com.

Cal Poly Team Tech

Team Tech is subset of SWE, the team is currently recruiting new members to work on this year's project!

We are a multidisciplinary engineering project group that partners with an industry sponsor to work on a year-long project. This year, Team Tech will partner with Lockheed Martin to develop a Crew Overboard Alarm System that will detect when a person or item falls off of an ocean vessel and records and displays the last known location. For more information about Team Tech, email Paulina and Nicole at cpteamtech@gmail.com. Below are the dates, times, and locations for information sessions and our first general meeting.

Info Sessions:

Wednesday, October 4th, 7:00-8:00 PM bldg 22 room 211

Tuesday, October 10th, 5:00-6:00 PM bldg 186 room C203

Tuesday, October 10th, 7:30-8:30 PM bldg 186 room C203

First General Meeting:

Thursday, October 12th, 7:30-8:30 PM bldg 197 room 104

We hope to see you all soon!

Engineers Without Borders (EWB)

5

Here is what's going down:

First project meetings of the Fall will be starting! (9/25)

1. Monday- Sustainability Task Force, Crash Course, Project Team Meetings
2. Tuesday- IMPACT

1. Sustainability Task Force is a 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 10, room 227 (Crash Course Room).

Introducing the new EWB Crash Course designed for new members who want to learn about EWB and which teams and positions work best for them! The EWB Crash Course is optional and will be held during project team meetings from 7-9pm on Mondays for the first 6 weeks of this quarter. Tada!

Project Meetings will be every Monday from 7-9pm!

We will be meeting in the courtyard between Building 10 and 22 (see picture) at 7pm and then splitting up by project! If you are coming late, head straight to the crash course or your project team that's listed below.

Here are the team room locations:

EWB Crash Course: 10-227

Fiji: 10-225

Local Projects: 33-289

Thailand: 33-287

Nicaragua: 10-214

Malawi: 38-227

Note: Please try to get there on time but if you have class from lets say 7-8pm come after and help out! Every team needs help and we would love to see your faces.

2. IMPACT meets every Tuesday from 11am to 12pm in one of the Library 2nd floor fishbowls. Come by if you want to make a difference locally by volunteering in SLO! Yay SLOme!

Coming up is our New Membership BBQ!!!

In the spirit of expanding our cultural horizons, we are hosting a club-wide Oktoberfest BBQ to do as the Germans do this Saturday 9/30. Please come and enjoy some (almost) traditional Bavarian foods and entertainment! Sign ups and further info are provided in the link below.

<https://goo.gl/forms/mV7KwBhnDn0ShSV83>

Volleyball IMs

Volleyball IMs are right around the corner with our first game the night of Thursday, October 5th! Come support our chapter by signing up on our roster below or cheering for the rest of us on the court! There will be snacks provided so first come first serve, as spots (not just snacks) are limited. Looking forward to see you all out there!

<https://goo.gl/forms/Ozk043ZIN29cNS8E2>

2017

Young Women in Agriculture Career & Leadership Seminar:

Framing Your Future



JOIN US to learn from industry leaders about opportunities available to women in agriculture.

DATE: October 14, 2017 9 a.m. to 4 p.m.



LOCATION: Cal Poly University, San Luis Obispo

FOR MORE INFORMATION:



Young Women in Agriculture Career & Leadership Seminar

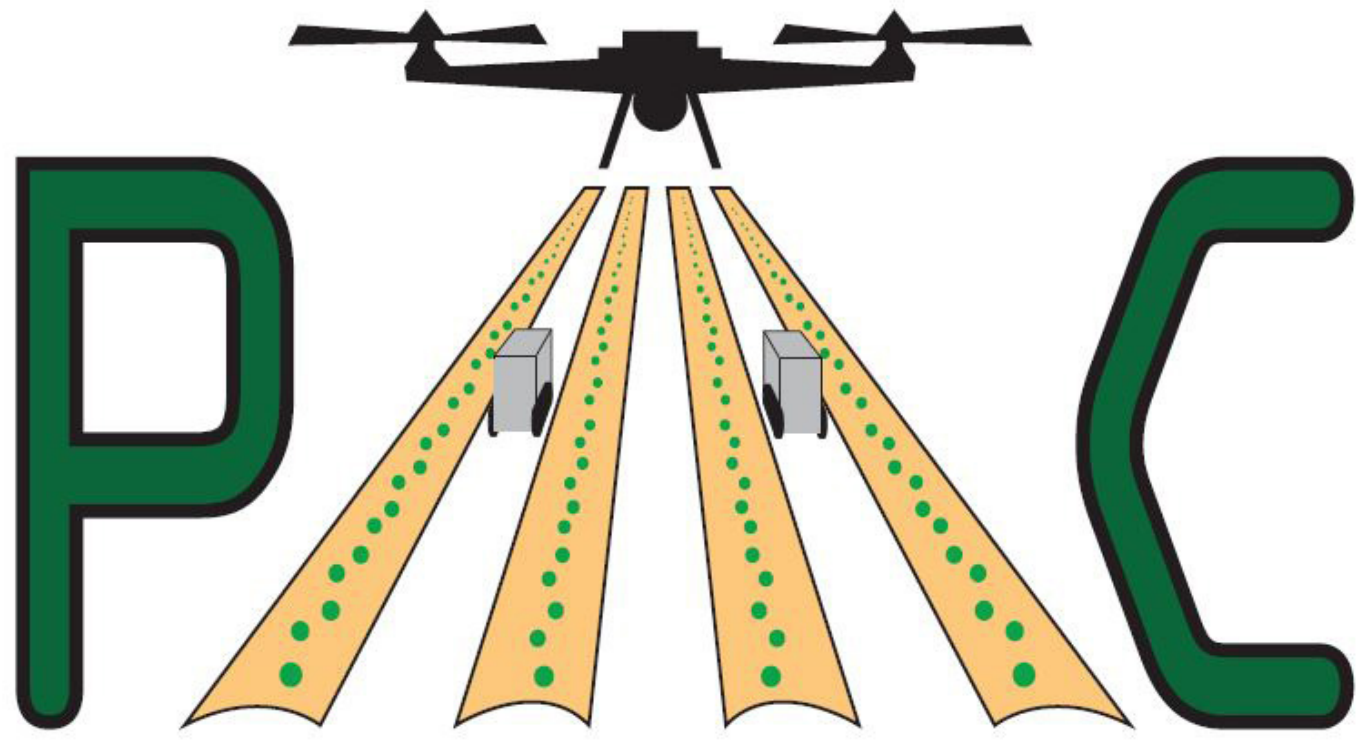


Emma: eemorris@calpoly.edu
Marty: mbraught@calpoly.edu



PAAC is BACK!

Come for fun people, free pizza, and robots
We've got an exciting quarter and we hope you can be a part of it!
Meetings are Thursdays 6-8 pm in room 8A-3E



Precision Ag. and Automation Club

Intro to PAAC and REACT in Agriculture

8-3E (PC/Electronics Lab)

PAAC Mission, officers, projects, REACT Weekly lessons & modules, resources & tour, activity.

Taught by: PAAC Officers

Member of the Week

This could be you!

Do you have a friend in the club who did something cool but doesn't want to brag? Do you have something neat to share? Let us know and we'll put you in the newsletter!

Project of the Week

TBA

New in Ag Automation

Illinois University Ag Robot

"Investors and executives in the agricultural industry are getting a first look at TerraSentia, a new-to-themarket agricultural robot that autonomously measures crop traits, developed at the University of Illinois. TerraSentia was unveiled on Sept. 11 at the Ag Innovation Showcase in St. Louis".

[Article Here!](#)

