AES is the Club of the Week for the CAFES Student Council. The display board in front of Building 10 will promote the club throughout the week.

Come hangout with the Club of the Week THIS SATURDAY, December 3rd, in 08-122 from 1:00-4:00 for a End of the Year Holiday Celebration! Movies and Fun Snacks will be provided!
SAFETY TIP OF THE WEEK

Use Floor Sweep to clean up floor spills.

Wet and/or slick surfaces pose a safety hazard and must be cleaned appropriately.

If you spill oil, gasoline, coolant, etc. onto the floor, or find a spill in one of the shop areas, use the floor sweep containers located in Labs 5 and 7 to clean up the safety hazard.

Clean-Up:

1) Evenly spread floor sweep over the entire spill.
2) Allow floor sweep to soak up spill.
3) Once spill is dry, clean up floor sweep and put back in container or discard in the dumpster.
# December Calendar

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<td>EWB Project Meeting 7:00PM Construction and Innovation Center</td>
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<td>3:00PM Precision Ag and Automation Club Meeting (PAAC) 6:10-7:50 8-122</td>
<td>AES BBQ 11AM-12PM $5 BRAE RAMP</td>
<td>AES BBQ 11AM-12PM $5 BRAE RAMP Precision Ag and Automation Club Meeting (PAAC) 6:10-7:50 8-122</td>
<td>AES Movie Night 1PM BRAE Room 122</td>
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**Finals Week**

**Academic Holiday (No School)**

**Academic Holiday (No School)**
April 9-11, 2017
AFA Animal Institute
Applications due Jan. 27
Kansas City, Missouri
www.agfuture.org/AFAAnimal

Executive Panel
Industry Tours
Networking Dinner
Hot Topic Discussions
Career Round-table

July 22-25, 2017
AFA Crop Institute
Applications due April 7th
Raleigh, North Carolina
www.agfuture.org/AFACropScience

Executive Panel
Industry Tours
Networking Dinner
Hot Topic Discussions
Career Round-table

Agriculture Future of America | www.agfuture.org
Precision Ag and Automation Club Meeting (PAAC)

PAAC will be meeting this Wednesday from 6:10 - 7:50 pm in 8 - 122.

Welcome back from the break. We are meeting Wednesday from 6:10 - 7:50 pm in 8 - 122 - surveying room. This week we have a surprise workshop, meaning you have to come to find out! The workshop will take place in 8A-3E. The club will provide all tools and equipment; you don’t need to bring anything but your passion, a hungry stomach, and your understanding from previous weeks!

Senior Project Poster Presentation

Come listen to Senior Project Poster presentations next Thursday, December 8th, from 11:00AM-12:00PM in Lab 1!
AES HOLIDAY MOVIE PARTY

December 3, 2016

1:00pm • Building 8, Room 122

Holiday Movie
Free Food & Wintery Snacks
Decorations
Reason to wear your Ugly Christmas Sweater
Winter 2017 BRAE/HNRS 450
Solar Photovoltaic System Engineering
MWF 2:10-3:00 PM Lec, F 11:10 AM -2:00 PM Lab

Art MacCarley, Ph.D., PE., amaccarl@calpoly.edu
and guest lecturers from industry, faculty and NPOs

Theory, design, analysis, installation future technology of solar photovoltaic systems.

For all engineering and science students.

Course topics include the physics of solar energy, solar site planning, electrical and mechanical design, regulatory approval and permit processes, government and utility incentives, financial return-on-investment analysis, component specification and practical installation experience.

The project-based laboratory will involve the students in the installation of a residential or commercial (community service) system and/or an on-campus grid-tie system.

No textbook. Library and web research will be required.

Some individual self-study or skill-building will be required for most students. Considerable time outside of the scheduled laboratory meeting will be required, in particular, two weekends for the project work and one full day for the field trip. Do not enroll in this course if your schedule does not permit this flexibility.

Course is open-enrollment at discretion of the student. Basic engineering knowledge and some prior hands-on project experience will be expected.
Engineers Without Borders

Week 9

For New Members:
Stay in the loop by joining our email list on this form and our Facebook group!
Membership costs $20 for freshmen and $25 for everyone else. You get this year's awesome t-shirt!
Just come to one of our events and let an officer know you're interested in joining!

We are also selling EWB tank tops for $15 and hats for $20!

Check out our google calendar here!

1. The Sustainability Task Force is a new 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 in B22-314 (English Building) from 6-7 PM every Monday.

Project Meetings are every Monday 7pm!
Here are the team room locations:
   - 2-204 - Nicaragua
   - 20-140 - Thailand
   - 186-c101 - Malawi
   - 186-c201 - India
   - 186-c300 - Local Projects

2. IMPACT meets every Tuesday at 6:30 pm at one of the Library 2nd floor fishbowls. This week's meeting will be held in Fishbowl M. Come by if you want to make a difference locally by volunteering in SLO!

3. Join us at our first ever coffee talk held in B187-C201 at 6 pm! This week we will be comparing the models of Engineers Without Borders from different countries. We'll be discussing the scope of development work and what role EWB-USA plays in fulfilling it's mission of empowering communities around the world to meet their basic human needs. We will have coffee!

4. EWB Tea Time is every Friday 11-1pm at the 2nd floor of the Library facing the front, near the bookshelves. Come chat and enjoy some tea with President Dan, VP Beth (and the occasional guest)!

Opportunities
Interested in studying abroad? Take a class with Professor Karen Bangs from Industrial and Manufacturing Engineering (IME), in Bilbao, Spain during July of 2017. Karen will be teaching an Operations Management course (Quality Management, Lean Systems, Product & Service Design, Project Management and a few other topics). This course can fulfill a technical elective requirement for you (if you’re ME with general & MfgE concentration, MATE, ENVE, BMED, GENE, COB-IT, MfgE). Contact Karen at krbangs@calpoly.edu, or stop by her office in 192-229. You can also visit Cal Poly International Programs on-line or at their office (http://abroad.calpoly.edu/ or 38-145). Check out the flyers here and here.

Hope you all had a great break!
BRAE Job Opportunities
Andros Engineering

Welding and Fabrication Shop Supervisor

The Research and Development group at Andros Engineering seeks a career minded individual for a Working Supervisor position in our fabrication shop. We offer excellent pay and benefits with growth and promotion opportunities.

Job description:
Supervises and schedules shop activities
Inspects work to maintain quality
Works as a fabricator and also closely with Engineering
Maintains supply inventory and shop organization
Performs basic machinery maintenance

Requirements:
Good attitude with communication and organization skills
Fabrication skills utilizing power and hand tools, FCAW, GMAW, and SMAW processes
Read and understand mechanical drawings
Knowledge of mechanical systems and basic machining
Must be organized and capable of multi-tasking in solo and team environments
Ability to lift 50 lbs
Field work and overtime on occasion
Valid CA Driver’s License
Agricultural or heavy equipment experience is a plus
Solidworks experience is a plus
A basic welding test is given during the interview

Welder/Fabricator/Mechanic

The Research and Development group at Andros Engineering seeks career minded individuals for an intermediate level Welder/Fabricator/Mechanic position in our fabrication shop. We offer excellent pay and benefits with growth and promotion opportunities.

Requirements:
Self-starter with a good attitude and communication skills
Fabrication skills utilizing power and hand tools, FCAW, GMAW, and SMAW processes
Read and understand mechanical drawings
Knowledge of mechanical systems and basic machining
Must be organized and capable of multi-tasking in solo and team environments
Ability to lift 50 lbs
Field work and overtime on occasion
Valid CA Driver’s License
A basic welding test is given during the interview

Send resumes to sbolt@andros-engineering.com