LEARN BY DOING

Dr. Gaudi shows students how to properly measure flow rate in BRAE 340 - Irrigation Water Management

Photo by: Harrison Reilly
Are you ready to learn more about the Precision Ag. and Automation Club (PAAC)? Starting in the 2014-2015 school year, this club is just now getting started. However, it was previously known as the ASABE Robotics Club.

The club meets every other week in the fall led by the officer team and their advisors, Dr. Liu and Dr. MacCarley.

In addition to the meetings, some members competed at the national ASABE conference. The summer of 2015 was the first time they attended. Charlie Ross, Luis Vasquez, Raul Lopez, and David Ashton represented their club and Cal Poly going up against other colleges. The team of undergrads competed against grad students. They learned a lot and know what to expect at next year’s conference.

There are currently around 20 members in the club with room to grow! Don’t hesitate to get involved in something new. The majority of their members are majoring in either BRAE, Electrical Engineering, or Computer Science, but any one interested is welcome to join!

**P.A.A.C. Officer Team**

Charlie Ross - President  
David Ashton - Vice President  
Luis Vasquez - Treasurer  
Garrett Rasmussen - Coordinator  
Lilly Muir - Secretary

**Next P.A.A.C. Meeting**

Monday October 12th at 6PM  
Surveying Room - 8-122

**For More Information:**

calpoly.asabe.robotics@gmail.com
Tractor Pull Meeting

2015 37th Annual
Cal Poly
Tractor Pull

7pm Tuesday, October 13th
Bldg 8 - 122
BRAE NEWS & EVENTS

CAFES Senior Project Workshop
With Katherine O’Clair - CAFES Librarian

Everything you need to know about Library Research for your Senior Project!

Who?
Open to all CAFES students.
No reservation needed!

When?
Thursday, October 15, 2015
11:10am - noon

Where?
Kennedy Library
Room 216B
(35-216B)
Hi EWB,

It was great to see so many of you at our first general meeting! This week is your opportunity to jump right into all of the action at EWB. There is no general meeting this week, but meet us tonight for our project team meetings. We will meet outside of Building 10 at 7pm, and you will have the opportunity to visit all the different team meetings or stay with the team you know you want to join!

Meetings

India: Bldg 10-220, Monday from 7-9pm
Malawi: Bldg 10-115, Monday from 7-9pm
Nicaragua: Bldg 10-124, Monday from 7-9pm
Thailand: Bldg 10-126, Monday from 7-9pm
Local Projects: Bldg 10-221, Monday from 7-9pm
Fundraising: Library 216M, Thursday from 10-11am

Upcoming Events

West Coast Conference: Register Today!

Our chapter has been selected to host the Engineers Without Borders West Coast Regional Conference. This three day event is filled with amazing speakers from all over the nation, intensive workshops, and fun social events. The cost is $70 for EWB-USA members and includes all the events plus three meals and a networking session. Students from other chapters will be traveling to join us on November 13-15th, so be sure you register here today!

Disaster by Drought Summit

Learn about the current drought and how we can be more resilient as individuals, community, and a state. The event lasts from October 4th-9th and

For more information visit our website at ewb-calpoly.org or contact us at ewb.calpoly@gmail.com
SAFETY TIP OF THE WEEK

When operating the lathe, never leave the chuck key in the chuck!

Your hand must be on the key whenever it is off the tool storage cradle until it is placed back in the cradle.

Serious injury/damage can occur if the key is left in the chuck and the machine is turned on and the chuck is engaged.

Always put the chuck key back in the cradle.

Keep your hand on the chuck key at all other times.
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**OCTOBER CALENDAR**

- **SWE Networking Showcase at 7pm Chumash**
- **Fremont Club Fair**
- **PAAC Meeting 6PM in 8-122**
- **Club Officer Meeting 6pm 8-122**
- **Career Fair Rec Center 9:30-1:30**
- **AES Meeting 6pm Lab 1**
- **PAAC Meeting 6PM in 8-122**
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STUDENT OPPORTUNITIES

GRADUATE SCHOOL WEEK

Undergraduate Research Experience Panel and Info Session by LSAMP
Friday, Oct. 9, 2015, 10 a.m.-noon
Building 53 Room 202

Graduate School: Search, Apply, Fund
Monday, Oct. 12, 2015, 11:10 a.m.-noon*

Princeton Review Strategy Sessions
Tuesday, Oct. 13, 2015*
GRE: 12:10-1 p.m.
MCAT: 1:10-2 p.m.
LSAT: 11:10 a.m.-noon

Interview Skills for Graduate Programs
Tuesday, Oct. 13, 2015, 5:10-6 p.m.*

*Held in Building 124, Room 117

How to Find Funding for Graduate Study
Wednesday, Oct. 14, 2015, 11:10 a.m.-noon*

Personal Statement Workshop
Wednesday, Oct. 14, 2015, 5:10-6:30 p.m.*

College of Engineering Graduate School Fair
Thursday, Oct. 15, 2015, 10:10 a.m.-noon
ATL Keck Lab and Lobby (Building 7)

Princeton Review Practice Tests
Saturday, Oct. 17, 2015
GRE: 10:30 a.m., Building 180 Room 114
Register at: www.tinyurl.com/calpolygre
MCAT: 9:30 a.m., Building 180 Room 113
Register at: www.tinyurl.com/calpolymcat
LSAT: 10 a.m., Building 180 Room 112
Register at: www.tinyurl.com/calpolylsat

careerservices.calpoly.edu
STUDENT OPPORTUNITIES

College of Engineering

Graduate School Fair

October 15, 2015, from 10:10-12:00 pm
ATL Keck Lab and Lobby (Building 007)

Come learn about graduate school opportunities in engineering

The College of Engineering (CENG) is hosting a fair to discuss the following topics:
What is graduate school and why would you consider going
How to search for a graduate program
Tips in the application process
How to fund graduate school
Cal Poly graduate programs including 4+1 (or blended) programs
How Career Services can help in graduate school application process
Question and answer session with faculty panelists about graduate school experience

The following engineering programs will have a table and representatives to discuss their specific graduate programs:
- Aerospace Engineering
- Biomedical Engineering
- BioResource and Agricultural Engineering
- Electrical Engineering
- Fire Protection Engineering
- Mechanical Engineering
- MBA and Business Analytics Programs

Refreshments will be provided. Please come and learn about graduate school.
COAST Seminar

Department of Chemistry & Biochemistry

Thursday, October 8, 2015
11:10 a.m.
Baker Bldg. 180– Room 114

Water and Energy Recovery with Engineered Osmosis and Hybrid Membrane Processes

Prof. Andrea Achilli
Environmental Resources Engineering Department
Humboldt State University

Pizza available for all attendees after the seminar in Warren J. Baker Center for Science (180) – 537. Meet and talk with our speaker.

* The seminar is supported by the CSU Council on Ocean Affairs, Science & Technology.
California Irrigation Institute (CII) 2016 Student Scholarship Application

California Irrigation Institute scholarships are offered to full time students to compensate the cost of the student registration fee and two nights lodging at the host hotel ($250 value). More info at www.caii.org

Please print legibly and email this application by December 1, 2015 to: dmcurrie@iid.com, or mail to CII Scholarships, 9390 East Central Avenue, Del Rey, CA 93616

Student name: __________________________________________________ Date: ______________________

Address: __________________________________________________________________________________

City: ______________________________________________________________ Zip: ___________________

Phone #: ____________________________ Cell #: ____________________________

Email address: __________________________________________________________________________________

Attending college: __________________________________________________________________________________

Major: __________________________________________________ # of units completed: _______________

Department head’s name: ____________________________________________________________________________

Department: _______________________________________________________________________________________

Address: _______________________________________________________________________________________

City: ______________________________________________________________ Zip: ___________________

Phone #: ____________________________ Email: ____________________________

Other schools you’ve attended: ______________________________________________________________________

Why do you want to attend the CII conference? _______________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

If selected, will you submit to CII a minimum 300 word essay about your experience at the CII conference and what you learned, within 10 days of attending the conference?  YES or  NO (circle one)

To be completed by the nominating professor of the college you are currently attending.

Nominating professor’s name: __________________________________________________________________

Phone #: ____________________________ Email: ____________________________

Reason for nominating: ________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

Professor’s signature: __________________________ Date: ____________________________

www.caii.org | 8/26/2015
STUDENT OPPORTUNITIES

SCHOLARSHIPS

LA Tutors 123 Monthly Scholarship for $500

We at LA Tutors are passionate about sparking the creative genius in students and would love to commend those outstanding students who have made a difference in the lives of others in some innovative or technological fashion. In order to achieve this, we have established a scholarship for students who meet certain criteria.

- Must have designed an innovative project that makes a difference in the lives of others (This could be a website, series of blogs, an app, fundraising event, etc.)
- Must submit an essay describing the goal of the particular project and provide supporting documentation.
- All submissions must be uploaded no later than 11:59 pm PST on the 20th of each month. The submission window closes starting the 21st and will reopen on the 1st at 8:00 a.m.

http://www.latutors123.com/scholarship/

Pelican Water Systems Scholarship for $1,500

The essay is about “What are some of the ways to instill a greater sense of urgency with water conservation in young people and what would be the marketing slogan Pelican Water would use to highlight the campaign?” Also, a letter of reference is needed and official transcripts with a GPA of 3.5 or higher. First place gets $1,500, second gets $100, and third gets $500. The due date is October 16th, 2015.

http://www.pelicanwater.com/scholarship.php

Make It Move Scholarship for $1,000

This scholarship is perfect for all the BRAE students! All you have to do is, come up with a great idea, make it into a moving creation, film it in action using Instagram, Include a short description, upload it using the hashtag #ampmakeitmove. It needs to be submitted by October 16th, 2015.

http://www.applied-motion.com/makeitmove
STUDENT OPPORTUNITIES

WHO WE ARE
Based out of Modesto California, G3 Enterprises was founded by the 3rd Generation of the Gallo Family with the vision of expanding services and increasing productivity to better serve the wine and spirits industry. With more than four decades of experience, we deliver results while building partnerships with our customers and suppliers throughout all of California.

THE OPPORTUNITY
Join the G3 Enterprises Agricultural Transportation Team. Our mission is to promote a sustainable supply of quality trucking services for the wine and grape industry. In addition to specializing in grape hauling, we can provide the same service for similar commodities such as pomegranates or olives.

3 MONTH INTERNSHIP OR SEASONAL WORK BEGINNING LATE JULY
As a G3 Enterprises Intern or Seasonal Hire you will report directly to the Manager of Agricultural Transportation. You will assist the Agricultural Transportation team in executing on the group’s mission, including, but not limited to: service integrity, outstanding customer interactions, billing systems input and analysis, and special projects.

POSSIBLE RESPONSIBILITIES:
- Ability to work 6 days a week, 12 hour days
- Coordinating delivery times and grape varieties with Winery Grower Relations
- Implementing dispatching opportunities such as Google Earth / GIS
- Collecting vineyard data from contracted growers
- Participating in billing systems for transportation of grapes and pomace
- Responsible for the day-to-day paperwork process
- Participating in the collection, consolidation and analysis of the cost of production data
- Responsible for keeping a schedule of activities for the week and attending required meetings
- If hired under the internship program, the intern will create a project /report that synthesizes their work over the course of harvest

CURRENT OPPORTUNITIES FOR HARVEST
- Field Dispatcher. You will be required to communicate with growers, drivers, and winery dispatch. The field dispatcher is the eyes and ears out in the field, and will help coordinate deliveries. A vehicle will be supplied. Clean driving record required. Bilingual is helpful, but not required.
- Shuttle Operations. Coordinate grape shuttle loads at the Winery. Strong communication and operational skills needed. Bilingual is helpful, but not required.
- Billing Clerk. Proficient in Excel. Focus on Process Improvements. Able to learn new systems quickly and handle large volumes of paperwork daily.

WHAT WE OFFER
We offer excellent experience, very competitive salary, and potential for future career opportunities.

PROFESSIONAL EXPERIENCE YOU WILL GAIN

The G3 Enterprises Agricultural Transportation internship program is a three to four month internship designed to give broad based exposure to the day-to-day activities of transporting grapes and pomace. Interns in the program can be expected to participate in all aspects of the dispatch centers activities including customer service, billing, dispatching, and data collection. Areas include Fresno, Livingston, Lodi, Central, and North Coast.