Open House 2016

Poly Royal Truck & Tractor Pull
Saturday, April 16th, 2016
Starts at 1pm, Gates open at 12pm
BRAE NEWS & EVENTS

BRAE Club Positions

Looking to get more involved? Below is a list of positions that will be filled for next year. Descriptions of all of the positions will be provided at the Nominations Meeting this Wednesday at 6 p.m. in 8-122.

AES President
ASABE President
SMB President
AES Vice President
ASABE Vice President
SMB Vice President
Secretary
Treasurer
Reporter
Open House Representative
AES Ag Council Representative
ASABE Ag Council Representative
SMB Ag Council Representative
Club Representative
ASABE National Representative
Engineering Council Representative
Society of Women Engineers Representative

PAAC Meeting

When: 10AM, Thursday
Where: BRAE lab 3 upstairs
There will be tutorials on reading sensors. This will be a great opportunity to get some hands on experience working with the systems they will be using on our competition robots.

Open House Tickets

Make sure to get your Open House Tickets ahead of time for the Tractor Pull and Poly Royal rodeo!
Tractor Pull Link:
Poly Royal Rodeo Link:
https://tickets.calpoly.edu/Online/default.
BRAE NEWS & EVENTS

Engineers Without Borders

Meetings

India: Bldg 10-231, Monday from 7-9pm
Malawi: Bldg 10-223, Monday from 7-9pm
Nicaragua: Bldg 10-220, Monday from 7-9pm
Thailand: Bldg 10-221, Monday from 7-9pm
Local Projects: Bldg 10-111, Monday from 7-9pm
IMPACT: Library 216M, Tuesday from 6-8pm
Fundraising: Library 216M, Tuesday from 3-4pm

EWB at Open House (4/16)
Open House Club Showcase is a great way to promote EWB to incoming freshmen.

Malawi Fundraiser: An Evening of Illusions (4/18)
Support the EWB Malawi team as they host Mr. Garry Carson, master illusionist from Las Vegas! Don’t miss out on this rare opportunity to experience a professional illusion show at the ATL (Bldg. 7) on Monday, April 18th. Doors open at 6:30pm and the show starts at 7pm.

EWB Spring BBQ (4/23)
It’s time for another EWB BBQ! Mark your calendars for noon on Saturday, April 23rd so you won’t miss out on good grub and fun times with your EWB pals.

Society of Women Engineers

Volunteer to be a SWE Welcome Host
When: from 9:30 AM Thursday, April 14 to 10:15 AM Friday, April 15
Where: Bonderson 104, ATL
Volunteer to be a day host and/or overnight host for SWE Welcome during Open House weekend! Sign up now! https://docs.google.com/forms/d/1ybnRZ-O_IQrQW2rQYZ_zvvx32n9NlkZzvKhevgDoY/viewform

SWE 2016 - 2017 Officer Elections
When: May 11th at 6 PM
Where: Bonderson 104
Elections for SWE officer positions are quickly approaching and we need you to apply! This is a great way to get more involved in SWE and develop your leadership skills!

The application is due April 25th at NOON!
Grinder Safety

Proper grinding stone for the right material
- Never use the grinders in our shops for Aluminum, stainless, or any other soft, nonferrous materials. Soft metals will plug the pores of the grinding stone, leading to excessive heat and explosion of the stone.
- Grinding stones are specific to different types of metal. Check the label on the grinding stone for compatibility with the type of metal you are grinding.

Use the correct grinding surface
- Only grind on the front face of the rotating stone, never on the sides of the wheel. The stone is only designed to support pressure on this surface as it rotates.

Never use gloves
- It is very dangerous to wear gloves while grinding. If the grinding stone catches the glove it can pull your hand down in between the stone and tool rest. This can result in serious injury.

Proper setting of tool rest
- The tool rest should be positioned perpendicular to the grinding stone.
- The distance between the stone and the tool rest should be no more than half the width of the material you are grinding.

Never remove guards on the grinder
- These guards are designed to help contain flying shards of material if the stone ever explodes.

Always wear the proper PPE
- Safety glasses and a face shield should be worn at all times when operating a grinder.
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<td>27</td>
<td>28</td>
<td>29</td>
<td>30             Open House Meeting at 7 am in 10-206</td>
<td>31 Cesar Chavez Day No School</td>
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<td>Easter</td>
<td>Spring Quarter</td>
<td>Tractor Pull Meeting 7pm 8-122</td>
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<td>9 BRAE BBQ</td>
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<td>13 Open House Meeting at 7 am in 10-206</td>
<td>14 BRAE BBQ 11am PAAC Meeting at 10 am in Lab 3 upstairs</td>
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<td>Club Officer Meeting 6pm</td>
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<td>Ag Pavillion 9am-3pm Tractor Pull 1:00pm Rodeo 5-8pm</td>
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Civil / Environmental Engineer
The part-to-full-time position requires a variety of field, office, and CAD related tasks under direct supervision of a Registered Professional Engineer.

Hours per Week: 15 - 40

Favorable candidates should possess the following skills, experience, and education:
- Strong computer skills with emphasis in AutoCAD, Microsoft Word, Excel, Arc View, Adobe Acrobat.
- Bachelors degree in civil engineering, environmental engineering, agricultural engineering, environmental science, or closely related field.
- E.I.T. preferred
- Strong technical writing, presentation, computer aided drafting, and field sampling skills.
- Ability to multi-task and work in a fast paced environment with several projects going at one time.
- Strive for excellence and have an interest to expand knowledge base into other disciplines.

Ideal candidates have 0-3 years of experience in report and plan generation, residential and commercial wastewater treatment, environmental investigations, and civil improvement projects. Staff level engineer is expected to conduct environmental sampling, data entry, basic data reduction and interpretation, and preparation of technical reports; perform routine wastewater system design; assist with preparing civil improvement plan sets; maintain small office networks; communicate effectively with clients. Construction/Mechanical background is a plus.

Please E mail your resume to, D.Ivy@Haling-Associates.com Monday through Friday, from 8:00 am to 5:00 pm:

Haling & Associates
Chico, CA
D.Ivy@Haling-Associates.com

Haling & Associates is an equal opportunity employer.
ARE YOU LOOKING FOR A PAID INTERNSHIP??

Meras Engineering Inc. is a leading provider of water treatment solutions and we are looking for a highly qualified senior student to participate in our Paid Summer Internship. We are looking for a student to help us complete Remediation’s, Water Testing, and DU’s in Paso Robles. Position is staring ASAP and pays $15 an hour.

If you like to work:
- Outdoors
- Hands-on
- Independently
- With a great Company
- Making a difference

This is the internship for you!

SUMMARY OF JOB DUTIES:

DU - The measure of how uniformly water is applied to the area being watered, expressed as a percentage. Intern would gather readings from specified locations of the Irrigation system, and measure them. Each reading will then be recorded into a graph to present.

Remediation’s – Increases the irrigation efficiency by utilizing chemical treatment. The chemical is injected into the irrigation system using a pump.

INTERESTED STUDENTS:

If you are interested in applying or would like to obtain more information, please forward your resume or questions to:

cvilla@meras.com

Or call us at: (415)240-4918
STUDENT OPPORTUNITIES

Irrigation Assistant for the HCS Crops Unit

The Horticulture and Crops Science Department is hiring an Irrigation Assistant to execute the irrigation and fertigation schedules at the HCS Crops Unit.

Job Summary

The HCS Crops Unit consists of 70 acres of productive citrus, avocado and deciduous orchards, berries, vineyards and vegetable row crops. The Irrigation Assistant will work under the supervision of the staff Technician and will help oversee the execution of irrigation and fertigation schedules for the deciduous and citrus/avocado orchards.

The irrigation Assistant will be trained in irrigation operating procedures and will learn the proper use and maintenance of irrometers, media filters, flow meters and other equipment related to irrigation and fertigation. The Assistant will also collect and process water samples.

Additional duties involve assisting with larger irrigation related projects during the summer.

Primary Responsibilities

• Assisting with monitoring and maintaining irrigation and fertigation equipment
• Execute irrigation schedules
• Take weekly soil moisture probe readings and report it to supervisor

Requirements

• Reliable
  • Must be available throughout summer
• Must be willing to work as part of the Crops Unit team consisting of students, staff and faculty
• Ability to prioritize and execute work assignments efficiently
• Ensure timely irrigation applications
• Must be able to lift 50 lbs or more

Experience

• Basic knowledge of irrigation systems and completion of irrigation course preferred.

Hours and Salary

• 5-10 hrs/week during the Spring quarter; more hours possible with summer projects
• Salary commensurate with experience

Start Date - Training can begin immediately

To apply, please submit a resume to Johnny Rosecrans (jrosecra@calpoly.edu).

For questions regarding this position, contact Johnny Rosecrans (jrosecra@calpoly.edu).

Looking to hire ASAP to be trained for the summer. If students are planning on leaving for the summer, they need not apply.