WEEK 4~ January 30th, 2018

New this week!
The third person to email ag-engineering-society@calpoly.edu ‘I LOVE BRAE’ will receive a free meal at the Thursday BRAE BBQ!
AGRICULTURAL ENGINEERING SOCIETY PRESENTS

RESUME WORKSHOP

GET READY FOR THE UPCOMING CAREER FAIRS - SHARPEN UP YOUR RESUME AND GET INTERVIEW TIPS FROM A PRO

FREE PIZZA AND RESUME PAPER!!

6PM
JANUARY 31, 2018
BRAE LAB 4
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On January 17-19th, the 51st annual Mid-Pacific Region Water Users Conference was held in Reno Nevada. Dr. Styles, BRAE Professor and ITRC Director, introduced three BRAE Students who are recipients of the annual MPR Scholarship to the attendees of the conference.

The recipients this year were Dylan Goodwin, a third year BRAE student, Travis Vazquez, a fourth year BRAE student, and Luke Rossi, a third year BRAE student. Each recipient showed an interest in studying irrigation and agriculture and each gave a short talk on their goals for the future.

The conference is an annual conference attended by managers, directors, O&M Personnel, consultants, and government agency representatives from the districts served by the United States Bureau of Reclamation Mid Pacific Region facilities in California, Nevada, and Oregon.
Seeking an individual or a group of individuals to design a Rotational Grazing Plan/Prescribed Grazing Plan in conjunction with a Rangeland Composting Plan for a property in the Goleta Hills in the front country of the Santa Ynez Mountains.

The property consists of 5 parcels making up 180+ acres which has previously been grazed by cattle for 30+ years (and historically probably back a hundred years or so). The grazing lease was terminated 1.5 years ago so there has been significant regrowth and ground cover has developed over a decent rainy season.

The ranch is made up of Annual Grasslands, Coastal Scrub, Coastal Oak Woodland and Valley Foothill Riparian zones. Soils are made up of primarily Clay Loam and Sandy loam. We have significant invasive species such as yellow star thistle, Scottish thistle, Bull thistle, and a lot of other thistle, plus some undesirable bromes (medusa head?).

We have recently acquired a fold of five small Scottish Highland Cows that will serve as our brush clearing/rangelands restoration crew. They are hard workers and enjoy the scrub as much as the grasses.

Additionally, we currently have 4 horses and two Mammoth Donkeys and will potentially have a larger barn with up to 18 more horses to provide plenty of manure for our closed compost system. There will be plenty of compost available for this long term project implementation.

The project entails the following:

(1) limited field work/surveying on-site, (2) creation of a literature review on the benefits of a Prescribed Grazing Plan in Rangelands Restoration specifically with prolonged drought, and (3) a FINAL Plan for rotational grazing specific to the Ranch.

A stipend will be offered for an individual or group of up to 5 for this project. Juniors or Seniors preferred, although if you are a Freshman or Sophomore with significant experience/background that would make you a good candidate for this position, please apply! There is a possibility of housing offered while on-site.

Please contact RaintreeRanch805@gmail.com with either a resume and/or a writing sample with your interest in participating in this internship.
Say Cheese

Professional Headshot for your LinkedIn

Cal Poly: Bldg. 10 Rm. 234

Drop In During a Sessions Below:

- Thursday, 2/1  11:00 AM - 12:00 PM
- Friday, 2/2  10:00 AM - 3:00 PM
- Monday, 2/5  10:00 AM - 2:00 PM
- Tuesday, 2/6  11:00 AM - 12:00 PM
- Wednesday, 2/7  10:00 AM - 3:00 PM
This week we have some fun stuff as always!

Meetings:
Monday- Tea Time, Sustainability Task Force, Project Team Meetings
Tuesday- IMPACT
Wednesday- General Meeting

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 Monday (recent change) 11am-12pm. The 216K fishbowl has been reserved for this week.

Sustainability Task Force: Do you want to improve EWB? Sustainability Task Force (STF) is open to everyone and is a space to identify problems in EWB and collectively create solutions to improve our club. We want to ensure that our chapter is fulfilling its purpose of “equipping leaders to solve some of the world’s most pressing challenges” by working on projects related to socio, economic, cross-generational and environmental sustainability. Join our team Mondays 6-7pm in 26-104!

Project Meetings are every Monday from 7:00-9:00pm! 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: 14-249
Local Projects: 26-123
Thailand: 186-C200
Nicaragua: 192-224
Malawi: 14-247

IMPACT: meets Tuesday 11-12pm in the library fishbowl 216Q. 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. We have our campus wide volunteering event at the end of quarter, come join our team to make it happen!

General Meeting: Come join us in 26-104 from 6-7:30pm on Wednesday for coffee and a talk by Emma Morley (Nica PM). She'll be sharing her unique experience from her summer working in Tanzania on a building design for Tanzania Polytechnic University. She’ll be discussing the culture of Tanzania, the needs of the university, and the measures being taken to plan and construct the university.

Announcements:
Possible movie night/super bowl watch party: Let's forget about all the midterms we took this week and have a chill social to detox. The event specifics up for discussion, but it'll be awesome and there will be food. Fill out the poll please!
https://goo.gl/forms/WiJFlgM4RVMeJis23
Meetings are Wednesday’s 6:30-8:30 pm in room 8A-3E

This Week’s Lesson
Remote Control

Taught by: PAAC Officers

Roborodentia
We’re competing in Roborodentia! Rules and design ideas will be discussed at this week’s meeting.

New in Ag Automation
Transforming Food System Labor
“From seed to table, a revolution in technology that prioritizes robotics and automation is on the cusp of transforming the work required to produce, transport, sell, and serve food.”

Website Here!

AgBot 2018
This year, Cal Poly is participating in the Harvest Competition. If you are interested and want to learn more, click the link below. If you want to be on the AgBot team, talk to Caleb Fink or come to a meeting on Wednesdays 4-4:30 PM.

Info Here!
2018 BRAE CAREER FAIR
FEBRUARY 8TH • CAL POLY FARM SHOP

FEBRUARY 8TH SCHEDULE

When: February 8, 2018
Where: Cal Poly Farm Shop
Time: 8:00 AM - 12:00 PM

There are over 30 companies attending looking to hire BRAE & ASM majors!

Opportunities:
• Full Time Jobs
• Internships
• Networking

Preparation:
• Resume Workshop
• Professional Headshots

Don’t miss out on these great opportunities! Experience is not necessary!

INDUSTRY PANEL MEETING

February 7th • 6:00 - 8:00 PM in Lab 1

Industry Panel Companies:
RDO Water, Hartman Engineering,
Topcon Positioning Systems, AIM,
GEI Consultants, G3 Enterprises,
Heinzen Manufacturing, Stantec.

Get information and feedback from industry about what they are looking for in employees!

Tri-tip dinner will be available.

Please refer questions to AES Career Fair Chair, Vicky Duran, at eduran01@calpoly.edu
Once again, ASABE’s Resource magazine is seeking inspired content for the eighth edition of Discover, our colorful special issue that promotes agricultural and biological engineering to prospective students.

This special issue is only published every three years. Will your school be represented? Copies are distributed via Engineers Week, the FFA National Convention, requests for career materials, and other outreach. Your school may also place an advertisement and order extra copies. See the last edition at https://www.asabe.org/Discover for ideas.

We are looking for current students and recent graduates who:

- have an internship that has proven to be a decision-making opportunity for future study or career choices,
- have study-abroad experience that would entice other students and be fun to read about,
- have employment that is a great fit for a recent grad, perhaps because the new employee is an exemplary worker, creative, etc., or
- are an inspiration, to help others “discover” the possibilities.

We would like to interview your students and grads as soon as possible!

Please email Sue Mitrovich (mitro@asabe.org) with name, contact information (email address and phone number), and a brief introduction to them, perhaps only a paragraph or so, by February 7.

Discover spotlights schools like yours that are leading the way and promotes agricultural and biological engineering to prospective students. It explores the academic, industry internship, and foreign study opportunities that are available. In addition, it highlights students and job newcomers with interesting backgrounds and provides up-to-date career possibilities and fulfilling work scenarios.

Discover will be published in September 2018, in time for the start of the academic year.

Please act soon so that your school may be represented. We look forward to hearing from you!
Innovation Quest 2018

$30,000 in cash prizes for startups!

Apply by 11:59p.m. March 23rd! Find out how your startup can win at our info sessions.

Tues. Jan. 30th & Thurs. March 8th
6:00-7:30 P.M.
Nash Family Entrepreneurship Lab
(Building 2, room 210)

FREE PIZZA!

Register for Free: http://bit.ly/iQ2018
Sales Engineer

Job Title: Sales Engineer
Location: Fresno, California (Company HQ is in Redwood City, CA)

Background:
Are you ready to take the next step in your career? Currently, we are seeking a Sales Engineer with hands on experience to join our team. It is an opportunity to have an impact on an award-winning company that is bringing new technologies to the agriculture industry. PowWow raised $6M since 2014, and is working closely with the most innovative farms in California. We apply data science to solve practical problems in farming by providing a decision support tool for specialty crop growers to increase yield while reducing energy, water and fertilizer inputs. We are different because we do not require any new hardware and we provide value on day one. This is a field position; you will be the lead technical expert for PowWow in the Central Valley. In addition to interacting with growers and developing new relationships, the company will generate leads from regional workshops with industry and government partners that you will animate. You will contribute to the company’s product development cycle by performing some trials on the future product features.

What you’ll be doing:
- Communicate company project and research results to growers through site visits and workshops
- Lead onboarding process for new accounts by working with Director of Sales
- Evaluate irrigation systems and soil types, and understand how it affects water and energy usage
- Working with the rest of the team to develop engaging and simple customer applications
- Participate in quarterly account reviews with sales/account managers.

Requirements:
- B.S. in Crop/Plant Science, Ag/Irrigation Technology, Ag Engineering or equivalent.
- Experience in farming operation; specifically, irrigation system operation, telemetry systems, etc.
- Strong communication skills, including ability to effectively convey new product concept while being a good listener and interpreter of the needs of the growers to the PowWow team
- Ability to effectively manage deadlines and work independently in the field

Bonus skills:
- CCA license or experience with irrigation systems and scheduling.
- Familiarity with water pumps and telemetry systems
- Passion for environmental issues and deep knowledge of agricultural community

What’s in it for you?
- Work with experienced entrepreneurs in a well-funded start-up. Equity in a tech company that aims to provide a solid return to our investors.
- Receive a competitive compensation plan: Base salary and commission plan to achieve company sales growth goals; medical and dental plan; 15 vacation days; full coverage of travel expenses.

Contact info
Email: jobs@powwowenergy.com