STUDENTS WIN ASABE AWARD

Cameron Dale and Jesse Maranan won first place at the Annual ASABE Meeting at the World Ag Expo
Congratulations to the winners Scott Diele and Cord Given!

They will be receiving the corn hole boards custom painted to their requests.
India: Bldg 22-211, Monday from 7-9pm
Malawi: Bldg 8-121, Monday from 7-9pm
Nicaragua: Bldg 10-223, Monday from 7-9pm
Thailand: Bldg 10-126, Monday from 7-9pm
Local Projects: Bldg 22-312, Monday from 7-9pm
IMPACT: Library 216M, Tuesday from 6-8pm
Fundraising: Library 216M, Thursday from 5-6pm

eWeek EWB Panel (2/26)
Join us on Friday, February 26th from 10-12pm in the ATL as a panel of experienced professors and students from EWB Cal Poly talk about global development through different projects and community participation. Refreshments and coffee will be provided! For more information, check out the flyer.

Agua for Nicaragua Benefit Concert (2/26)
The EWB Nicaragua annual benefit concert is this Friday, February 26th at 6pm in Bldg. 08-123. The concert will feature Box the Oxford, Honestly, Nothing, Take It SLO, and members of the Music Production Union, as well as a live auction! Tickets are $5 pre-sale and $7 at the door. All proceeds go towards providing clean water for 150 families in Nicaragua. For more information, check out their flyer. Contact Leah for questions and ticket purchases.

EWB Officer Nominations Email
Officer elections are right around the corner! Be on the lookout for an email that will be sent out Monday, February 22nd regarding information about EWB Officer Board positions and a form to fill out nominations.

Pancake Breakfast & Bishop’s Peak Hike (3/5)
Come hang out with your EWB friends on Saturday, March 5th as we make and eat yummy pancakes and take a beautiful hike up Bishop’s Peak! If you are interested in joining us, sign-up here.

ISLA 456: Advanced Project Based Learning in Science, Technology & Society
The Interdisciplinary Studies in Liberal Arts department will be offering ISLA 456 next quarter on MWF from 12:10-2pm. The course will include project team-based activities with a focus on Climate Change, at both the local and global levels. Check out this flyer if you are interested in taking the class!

Careers in International Economic Development
On March 2nd, the Financial Management Association will host Liz Wilson, a speaker who will talk about careers in NGOs/Charities and International Development. For more information check out their website and watch the speaker’s TEDx Talk on International Development.

IM Survey
Want to help us choose the sport for spring quarter’s intramural games? Cast your vote on this survey! The poll will close this Friday, February 26th.
SAFETY TIP OF THE WEEK

Safety Tip of the Week
Protect Against Arc Flash

When cutting or welding metal you should always wear the correct shade of eye protection for each type of cutting or welding method. The lens shade protects your eyes against arc flash and should be chosen based on the thickness of your material and the type of work you are doing.

For welding and plasma cutting, the amperage setting of the machine affects the lens shade that should be worn. The table below provides a brief summary of guidelines to follow when performing welding and cutting operations.

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<th>Operation</th>
<th>Amperage</th>
<th>Lens Shade (min. required)</th>
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<tr>
<td>Oxy-Acetylene cutting</td>
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<td>MIG and Stick welding</td>
<td>60 – 160</td>
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<td>TIG welding</td>
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<td>Plasma torch cutting</td>
<td>&lt; 300</td>
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These are the recommended minimum shade lenses provided by ANSI. However, if you experience sore eyes you may be damaging them from too much light radiation and may need a darker shade lens to protect yourself.
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<td>Open House Meeting at 7 am in 10-206 AES General Meeting Lab 1 - 6pm</td>
<td>BRAE BBQ 11am</td>
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<td>Dead Week</td>
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<td>BRAE BBQ 11am</td>
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<td>Cesar Chavez Day</td>
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<td>Cesar Chavez Day</td>
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STUDENT OPPORTUNITIES

THURSDAY, MARCH 3RD
BRAE CAREER FAIR

The time for our Annual Career Fair is here! Sharpen those resumes and iron those fancy dress shirts. This year we have over 25 different companies attending our career fair. This event is specifically for BRAE department students so it is encouraged to take advantage of this opportunity. The list of companies is provided on the next sheet.

Industry Panel Meeting: Wednesday, March 2nd 6PM

The night before the career fair we will be holding an Industry Panel Meeting in Lab 1 during the General AES Meeting. Anyone is welcome and it is a great opportunity to talk to industries on a more casual level and gain insights on what companies are looking for. The companies attending the Industry Panel are:

- Fastenal
- H.G. Makelim
- Heinzen Manufacturing International
- Kubota Tractor Corporation
- OMC
- Ag. Ind. Manufacturing (AIM)

When?
8am – 12pm

Where?
Bldg. 8A Lab 1

Bring your resumes!

INTERNSHIPS

FULL TIME JOBS
STUDENT OPPORTUNITIES

BRAE CAREER FAIR

THURSDAY, MARCH 3RD
8AM- 12PM
LAB 1

Companies Attending:

ACME Engineering
Adams Vegetable Oils
Agriculture Ind. Manufacturing (AIM)
American Incorporated
Blue River Technology
Bowsmith
Cannon
Fastenal
Flory Industries
G3
Granite Construction
H.G. Makelim
Heinzen Manufacturing International
JG Boswell
Kubota Tractor Corporation
Lodi Pump and Irrigation
Nicholas Farms
OMC
Preston Pipelines
Provost and Pritchard
Rain for Rent
RDO Water
Sensient
True Leaf Farms
Vineyard Pro Services
Wonderful Orchards
Yardney Water Management Systems, Inc.
Dos Valles Garden Club Ag Scholarships

February 2016

Each year Dos Valles Garden Club of Valley Center awards $1000 Agriculture Scholarships. A student’s career plans must be related to agriculture education, animal science, biotechnology, botany, conservation, entomology, floriculture, forestry, landscape architecture, plant biology, plant genetics, urban planning or research in related fields.

To be eligible to receive a scholarship an applicant must be a resident of Valley Center, Pauma Valley or Rincon AND/OR have attended school within the Valley Center-Pauma Unified School District. The candidate must be a high school senior or alumnus, home schooled student ready for college, or a college student carrying twelve or more units.

Mail completed form with all supporting documents to be received no later than April 1, 2016 to:

   Ag Scholarships Committee
   Dos Valles Garden Club
   P.O. Box 123
   Valley Center, CA 92082

Helen Borchelt
Scholarship Chairman
Phone 760-742-0290
hborchel@yahoo.com
University of California
Hansen Agricultural Research and Extension Center
Santa Paula, CA

Position: Farm Supervisor

County Location: Ventura County
Date Posted: January 27, 2016
Closing Date: February 15, 2016 – Extended to March 4, 2016

The Hansen Agricultural Research and Extension Center (HAREC) located in Ventura County provides land, labor and facilities for research and education programs. Center research supports the rich and diverse agricultural and natural resources of Ventura County, while extensive education programs promote the sustainability and benefits of agriculture and natural resources in county communities. The HAREC facility encompasses 27 acres including a historical Queen-Anne Victorian house as well as demonstration gardens, orchards, and research fields.

Under the direction of the Center Director, this position is responsible for overseeing the day-to-day agricultural field operations and infrastructure maintenance of the Center. The incumbent trains and supervises staff to maintain an orderly, safe, and efficient operation, and is responsible for staff annual performance evaluations. S/he will need to be able to speak Spanish as some of the workers are Spanish speaking. S/he will supervise land, labor, facilities and other resources for current and proposed research projects and outreach activities. S/he will serve as a member of the Center’s executive management team and is expected to play a role in facilities planning and budget, including providing recommendations regarding infrastructure, resources, and staffing needs.

For further details and to apply please copy and paste this web link on to a URL:
https://jobs.ucop.edu/applicants/Central?quickFind=59162
IME 457 – RFID System Design - Spring 2016 – 4 Units

Taught by Dr. Tali Freed, IME Professor and PolyGAIT Director

Lecture: M,W 11:10 - Noon  Lab: M or W 3:10 – 6pm

Prerequisites: None; if needed - consent of instructor.

Approved technical elective for most CENG majors.

Course Description

The electronics industry is the largest basic industry in the world after agriculture. At the heart of this industry is the manufacture of semiconductor devices and printed circuit boards. This market has maintained an average annual growth rate of 15% over the last 30 years despite periodic downturns.

Radio Frequency Identification (RFID) is an important emerging technology that owes its existence to the rapid growth of the electronics industry. RFID is altering everyday processes such as point-of-sale (POS) transactions, personal identification (RFID-embedded passports, drivers’ licenses, and credit cards), food and product tracking, etc. This course will cover the principles of various RFID technologies, and will include hands-on experimentation with RFID hardware and software. The course will also discuss the relationship between RFID and the Internet of Things (IoT).

Multidisciplinary project teams will design RFID systems for various application areas. The teams will analyze processes that can benefit from unique item identification, re-design the processes using item-level RFID systems, develop a visual description or simulation of the proposed processes, and provide an economic justification of the financial investment in RFID.

The course will focus on both electronics manufacturing and RFID. It will broaden students’ perspective on electronics manufacturing companies, their manufacturing processes, technologies, and complexities. In particular, the students will learn about RFID tag, reader, and antenna manufacturing. The course will develop students’ ability to succeed under the uncertain conditions inherent to electronics manufacturing.

The course will include 2-3 visits to companies, and several guest lectures.

Students may choose to attend both labs, if their schedules permits. Alternatively, each student may attend one of the scheduled labs on either Monday or Wednesday, and in addition do 3 hours of lab work at PolyGAIT during Dr. Freed’s and the teaching assistants’ office hours.
# Student Opportunities

## EIT Review Sessions Offered April 2016

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<td>Week 3</td>
<td>Mechanics of Materials Dr. Eric Kasper 8-10 pm</td>
<td>Dynamics Dr. Brian Self 8-10 pm</td>
<td>Mathematics Dr. Caixing Gu 8-10 pm</td>
<td>Materials Science Prof. Trevor Harding 8-10 pm</td>
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<td>Chemistry Dr. Ashley McDonald 1-3 pm</td>
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<td>Week 4</td>
<td>Thermodynamics Dr. Chris Pascual 1-3 pm</td>
<td>Engineering Economics Prof. Karen Bangs 8-10 pm</td>
<td>Fluid Mechanics Dr. Kim Shollenberger 8-10 pm</td>
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<td>Full Moon</td>
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<td>3rd Quarter</td>
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- **Signups**
  - Kennedy Library Courtyard
  - 11 AM – 1 PM
STUDENT OPPORTUNITIES

SST Software®
2016 SST Certification Program

June 1st through July 29th of 2016.

Students will learn the applications of:

• Crop Scouting
• Fertility Recommendations
• Statistics Applicable to Agriculture including Multi-Year Analysis and Remote Sensing
• GIS (Geographic Information System)
• Field Mapping
• Soil Sampling w/GPS
• Utilizing Yield Data
• Remote Sensing

There will be field work as well as lab work with all hardware/software being utilized with the latest/greatest software applications in agriculture.

The goal of this program is to complement your educational background with hands-on experience of real-world applications utilizing the latest technologies within agriculture.

The program will be held June 1st through July 29th of 2016, Monday through Friday from 8:30a to 5:00p each day.

SST pays a salary for each student accepted into the program.

Each student will be responsible for their own housing, but SST personnel will help students to find a location. Stillwater, Oklahoma is the home to Oklahoma State University, so in the summer months there are plenty of housing options.

Students who are in their junior year, and involved in the study of agriculture, and are looking to a future in the precision agriculture industry are invited to send us a copy of their resume for consideration of being hired.

Send your resume or questions about the program to:

Bill Richardson
SST Software
Director of Training and Education

405-714-4369 Mobile  |  888-377-5334 Office  |  brichardson@sstsoftware.com
Rain for Rent is pleased to announce its 2016 Scholarship Program. Fifteen scholarships in the amount of $1,500.00 each will be awarded to qualified students to help them pursue a career in agriculture, engineering or construction management.

Students may read about the Charles P. Lake/Rain for Rent Scholarship on the Rain for Rent website - [http://www.rainforrent.com/company/scholarship.htm](http://www.rainforrent.com/company/scholarship.htm)

Students must apply on the Charles P. Lake/Rain for Rent application form attached to this e-mail to scholarshipcoordinator@rainforrent.com

Deadline for application is April 30, 2016.

Scholarship applicants must have completed their freshman year at an approved college/university and must be currently enrolled for the next school year within the following criteria:

1. Applicants must have an overall grade point average of 3.0 or above.
2. Applicant’s education emphasis must be in agriculture or engineering with a major in agricultural, mechanical, civil, manufacturing engineering or construction management.
3. Preference will be given to those students who are specializing in irrigation technology, pumps, fluid dynamics and trenchless technology.
4. Students must be a U.S. citizen.
5. In the event that the applicants are equal in their academic achievements and extracurricular activities, the scholarship will be awarded on the basis of need.
6. **Official transcripts must be attached to each application.**
7. Successful applicants must attend a Rain for Rent orientation and provide us with a photo for promotional purposes.

You have received this letter as a student majoring in agriculture, engineering or construction management. You may forward your application along with your official transcripts directly to our Scholarship Coordinator, Carol Cunningham. All applications and official transcripts must arrive prior to the April 30th deadline. These applications will then be presented to our Scholarship Committee for final selection on or before May 31, 2016. Payment of the scholarship will be made upon completion of the requirements provided in the Scholarship Brochure.

Please direct any questions to our Scholarship Coordinator, Carol Cunningham at 661-399-9124, extension 185, e-mail ccunningham@rainforrent.com, or address 3404 State Road, P. O. Box 2248, Bakersfield, California 93303.

Sincerely yours,

Robert Lake
Chairman
San Luis Obispo County Farm Bureau Women

2016 Scholarship Application

I. SOURCE OF SCHOLARSHIP
The San Luis Obispo County Farm Bureau Women

II. SELECTION OF RECIPIENT
The Scholarship Committee of Farm Bureau Women

i. Payment of the Scholarship
The Scholarship will be made payable by the San Luis Obispo County Farm Bureau Women to the student or the school of choice upon confirmation of enrollment and submission of a digital portrait of applicant.

ii. Student must be:
1. A member (since September of the previous year) of the San Luis Obispo County Farm Bureau or the San Luis Obispo County Farm Bureau Women, or
2. A dependent, child or grandchild of a member (since September of the previous year) of the San Luis Obispo County Farm Bureau or the San Luis Obispo County Farm Bureau Women, or
3. A member for four years of either a San Luis Obispo County 4-H or San Luis Obispo County Future Farmers of America, or a combination of years thereof, or
4. A college student who is a graduate of a San Luis Obispo County high school and enrolled in an agricultural-related major for two years or longer

Student must fulfill entrance requirements of the school of his/her choice portrait of applicant.

iii. Applicant may be a previous scholarship recipient of the San Luis Obispo County Farm Bureau Women. Applicant is no longer eligible upon receiving a Bachelor’s degree

III. QUALIFICATIONS
i. This scholarship is available for the actual educational needs of the applicant in a University, College, Professional, or Vocational school of choice

ii. Applicant must be enrolled as a full-time student (12 units or vocational equivalent)

iii. Applicant must have a purposeful educational goal

iv. Application to be post-marked or hand delivered to the Farm Bureau

no later than March 31, 2016

SAN LUIS OBISPO COUNTY FARM BUREAU WOMEN
Attn: Scholarship Chairman
4875 Morabito Place
San Luis Obispo, California 93401
Inside Sales Engineer/ Tech Support Manager based at TechnoFlo in Porterville, CA. The position would also support products sold by our other company -- Advanced Water Products in Kerman, CA. It would consist of assisting customers with flow meter selection, application and after sales technical support including occasional trips to field to rectify more difficult to solve applications.

The position would also involve coordinating testing of new products & integration with existing flow meters in our own NIST Traceable flow lab to insure compatibility and implementing a database of special construction flow meters. We are finding with the more advanced electronic flow meters and their interface with remote telemetry & SCADA it takes a higher educated person to support the product along with our increased sales we need another good person in our organization.

Based on current employment laws we would have this as a hourly position starting at $20 /hr with some overtime opportunities 2-5 hours a week to approach $50,000 annually.

We offer paid vacation, paid holidays, paid sick time, 80% paid medical insurance for employee and a 401K plan with guarantied 3% contribution and an additional profit sharing contribution.

Steve Huth
TechnoFlo Systems
"Your Flow Meter Source"
shuth@technoflo.com
559-783-1207 phone
559-783-1209 fax
www.technoflo.com