Last Wednesday, AES began the nomination process for the 2017-2018 Officer Team! If interested in taking a leadership role, contact current president: Stacie Silva ssilva@calpoly.edu

Sign up for the AES End of the Year Club Banquet by May 5th!
For this week's AES Featured Officer, meet Jenna Smiley, a graduating 4th year, ASM major from Clovis/San Diego, California! Jenna has served AES and the BRAE Department as the Career Fair Chair, planning the annual career fair to get her fellow classmates hired for summer internships and career jobs!

**Why did you choose Cal Poly?**
When I was in high school, I had it narrowed down to four or five schools. When I got to campus, I knew I wanted to develop my educational career here. No other campus really felt like home, plus Learn By Doing really sold me.

**Why did you apply to the BioResource and Agricultural Engineering Department?**
I came to Fall Preview Day and was trying to choose between both the BRAE and the WVIT Departments. I went to the two department presentations and there was just no comparison! The conversations and atmosphere I experienced at the BRAE department won my commitment hands down. All you have to do is listen and speak with the professors, staff, and students. Everyone I talked to had such a passion and deep appreciation for this department. It was that experience and touring all the shops that lead me to BRAE.

**Why did you get involved with AES?**
Man, I would have to say the very first time I ate tri-tip and cheesy potatoes... But once you interact with the students, you really want to be a part of all the action. I also have always been interested in leadership and our club is the biggest and best around!

**What has been your favorite part of AES?**
The opportunity to give back to our community and campus as well as making lasting friendships. I know I will see all the AES officers and members rockin’ the Ag industry when they graduate!

**Where do you see yourself in 5 years? 10 years?**
After graduation, I will be working with OLAM SVI as an Onion and Garlic Crop Supervisor. I see myself purchasing a house in Clovis and becoming involved in the community. In 10 years, I hope to own my own ranch or farm with a big family. I would also like to become a part of the Industry Advisory Council (IAC) for the BRAE Department!

I’m a pretty open book and I can talk to just about anyone, many can testify to this. If you ever need advice or someone to talk to, I am here! ...(Till June 2017)
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The Agricultural Engineering Society

cordially invites you to our annual

AES BANQUET

to recognize the accomplishments of students, faculty, and staff in the BRAE Department

May 19, 2017

\{ 
Social Hour at 5 PM  
Dinner at 6 PM
\} 

-at-
Courtyard by Marriott
1605 Calle Joaquin Road
San Luis Obispo, CA 93405
805-786-4200

Catered Dinner: Choice of New York Strip, Chicken Marsala, Vegetarian, or Vegan dish. All dinners are served with Roasted Red Potatoes, Asparagus, and Garlic Bread. Cash Bar available.

Please RSVP by May 5, 2017 at Bldg. 8-101
Student: $30  
Guest: $35

Direct any questions towards Vicky Duran, AES Vice President eduran01@calpoly.edu
Molly Barker, a senior majoring in agricultural systems management, was recently selected as Cal Poly’s 2016-17 Outstanding Student Employee of the Year. Barker, of Lompoc, was unanimously selected among 34 student nominees. She has been a Green Campus team manager in Facilities — Energy, Utilities and Sustainability since September 2015. The Green Campus program works to promote energy efficiency and environmental stewardship at Cal Poly. Her nomination rose to the top due to her strong work ethic, critical thinking skills, determination, and her desire to reach beyond her comfort zone.

“Molly’s kindness and light-heartedness has made her a pleasure to work with and have on the team,” said her supervisor, Sustainability Coordinator Kylee Singh. “She maintains a positive attitude no matter her workload, and her passion and dedication to learning and growing as an employee shine through and rub off on those around her.” Academically, she has hit the Dean’s List every quarter. On April 12, a reception recognizing all 34 nominees was held at the Smith Alumni and Conference Center. During the reception, Barker was congratulated by President Armstrong. Student employees and their supervisors were invited to attend the reception and celebrate the important achievements made by all student employees.

Cal Poly Open House 2017 was a great success!

Although the Tractor Pull was canceled due to weather, students, alumni, and faculty came together for a decommission barbecue in honor of Mustang Fever. The original designers of the tractor were in attendance along with Dr. Zohns.

Great job everyone, we’ll see you next year!

Photographs Courtesy of Mady Braught @madylinebphotography
INTERN - Irrigation System Evaluator

Duration: Approximately from early June through September (flexible)

Wages: $16.00/hour – 40 hours/week. No benefits.

Description of Work:
Solano Irrigation District is seeking a self-motivated individual to assist in the implementation of water efficiency programs for agricultural and landscape customers. Examples of services the intern would manage, under supervision, are on-farm irrigation evaluations and soil moisture monitoring. The intern would also assist District staff with pump efficiency tests, landscape irrigation audits and commercial water use surveys. Other related duties, as assigned.

Qualifications:
• Must be 18 years of age or older.
• Currently enrolled in a post-secondary educational program leading to an undergraduate or graduate degree and in good standing at their college or university. Students must retain their status until the end of the internship. Students may work full-time during the summer without being enrolled; however they must be returning to school and pre-registered for the next term.
• Current Valid CDL with satisfactory driving record.
• Good written and verbal communication skills required.
• Basic knowledge of irrigation system functions, either from design or field experience.
• Proficiency in Word and Excel required.
• Students studying agriculture or agricultural engineering a plus.
• Ability to speak Spanish a plus.

Questions can be directed to Paul Lum at (707) 455-4024 or lump@sidwater.org

Final Date Applications Accepted: 5:00 p.m. – April 28, 2017

Send Application to:

Solano Irrigation District
Attn: Human Resources – Intern Position
810 Vaca Valley Pkwy., Suite 201
Vacaville, CA 95688

Resumes not accepted in lieu of completed application

Immediate opening for:

**IRRIGATION ENGINEER**

**Advanced irrigation management technology**

*IFF* is seeking an individual with training in Irrigation Engineering, Agricultural Engineering or related field to support a pilot project for advanced irrigation management. Escalating competition for water, rising energy costs, groundwater pumping restrictions and regulatory constraints on non-point source pollution make optimal irrigation management one of the most important and challenging technological issues facing irrigated agriculture today. This project is addressing that challenge.

**Irrigation for the Future (IFF),** an early stage company that builds analytical tools for advanced irrigation management. We are at the beginning of a three year project funded by the California Energy Commission to show ‘proof of concept’ for an advanced irrigation management technology for on-farm irrigation planning and management for water conservation, energy conservation and energy load shifting. Previously a research tool, we are developing the technology into a commercial application.

The engineering involves instrumentation for field data collection, remote pump control, analysis of on-farm pumping energy use and development of alternative irrigation management strategies to maximize water use efficiency.

This is an entry level position, and an exceptional opportunity to work with some of the most advanced concepts and technology in irrigation today. The job offers:

- Broad experience with next generation agricultural water management technology, including advanced analysis of crop water use and irrigation scheduling, crop stress monitoring, analysis of pumping energy use and evaluation of irrigation system performance
- Participation in development of alternative strategies for energy conservation and load shifting
- Close professional contact with industry-leading research and extension professionals in California and other states
- Extensive interaction with on-farm operations in various locations in the San Joaquin Valley

**Please submit inquiries or application letter and resume to:**

Marshall English, Irrigation for the Future

englishm@iff-irrigation.com

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**Preston Pipelines is Hiring!**

For over 40 Years, Preston Pipelines has been delivering excellence as an engineering utility contractor in California. We complete close to 200 projects annually for Developers, Contractors and Municipalities. Our Company is engineered to deliver value to our clients. We understand that adding value is just that – giving more than what was expected. Our people, our equipment and our systems are specifically aligned to deliver our clients’ projects at a standard unparalleled in our industry. It is this fundamental that drives our Company and has led to its consistent growth and success for almost four decades.

**Project Engineer:** The Project Engineer’s function is to be a liaison between the Project Manager and the owner, engineer, and subcontractors. The Project Engineer must have good organizational skills to be able to process change orders, drawings, and progress billings. The ability to manage material procurement, estimate work in place, and procure permits are an integral part of the position.

If you are interested in applying for a job at Preston Pipelines, Inc., please contact us!

Email: info@prestonpipelines.com to submit a resume
Call: 408.262.1418 for more information
Land IQ, LLC is seeking a GIS/Science Intern in its Sacramento, California office for a minimum of a 3-month internship. This position is expected to be part to full time (24 to 40 hours per week) depending on successful candidate availability.

Land IQ specializes in providing solutions to challenging agricultural and environmental problems throughout the western United States. Our areas of expertise include water quality and demand evaluation, agricultural systems, soil science, salinity and nutrient management, ecosystem restoration, statistics, remote sensing, geospatial analysis, and regulatory policy. Land IQ helps clients develop high value, scientifically sound, proactive solutions to their complex, large-scale land-based challenges.

The successful Intern candidate will be responsible for working with our growing geospatial and land-based sciences team comprised of remote sensing/GIS experts and a range of agronomic, environmental, and science disciplines. Applicants must have strong analytical reasoning skills including some basic exposure to GIS and an environmental, geographical, or agricultural science discipline. Land IQ will work collaboratively with this individual to train them on needed work elements.

This is an environmental consulting position requiring the ability to develop analysis approaches/methodology and work within a team to optimize methods. The applicant must have strong communication skills, readily work in a team environment, and use efficient work approaches. The position will be highly centered on GIS work products, efficient data management, and some spatial interpretation of image resources. Some occasional multi-day travel within the state of California will be required.

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<th>Office Location:</th>
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<td>Hiring Timeframe:</td>
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<td>Employment Type:</td>
<td>Part to Full time (full time preferred). This is a paid, hourly internship.</td>
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**Primary Responsibilities and Qualifications:**
- Work in a team environment on a wide range of projects, supporting our team of scientists, remote sensing analysts, and GIS analysts
- Organized and methodical with communication and work documentation
- Basic understanding of geospatial challenges and analysis Knowledge of land based systems.
- Excellent written and oral communication skills, responsive, collaborative, and the ability to take direction
- Valid CA driver’s license
- Ability to travel and remain away from home for up to 1 week on occasion

**Required Qualifications**

**Education:** Near completion or BS/MS degree in a land-based science discipline or GIS focus area.

**Years Professional Experience:** 0-2

**Preferred Qualifications**
- Experience with ESRI products/ArcGIS
- Experience with large scale data management
- Exposure to native and/or agricultural land-based sciences
- Experience in GIS data editing, GIS map production, spatial database management, and basic spatial analysis/reporting

**Contact Information**
Please submit resume and cover letter to Casey Gudel @ cgudel@landiq.com.

Land IQ is a multidisciplinary environmental/agricultural consulting firm that emphasizes a solution-oriented approach for a broad range of clients and geographies. Our Sacramento office is centrally located in northern California in a thriving region of culture and arts and in close proximity to a full range of recreational activities associated with the Sierra Nevada and Coastal mountains, scenic rivers, Pacific coast, and California foothills.