THE BRAE WEEKLY
The Weekly Newsletter for the BioResource & Agricultural Engineering Department

WEEK 6 - OCTOBER 28TH, 2015

FARM CITY NIGHT

The BRAE clubs interacted with the community at Farmers’ Market’s Annual Farm City Night event.
This Los Angeles and Palm Springs native is a part time lecturer in the BRAE department and a Senior Project Manager for Cal Poly Facility Planning. Lampman knew he had a calling for building design and construction far before he attended Cal Poly. Coming from a family of contractors, engineers, and an organic chemistry major, he began discovering his passion early in high school. His mustang spirit began when he attended Cal Poly as an Architecture Major where he later graduated in 1975 ready for his career. In 1968, Lampman drew his first house in Malibu, and it was constructed shortly after that.

As a man of many talents, his passion for architecture is just one of his many hobbies. He is a part time lecturer for BRAE 121, and oversees numerous renovation projects on and off campus. Some of his off campus work includes the NOVA building and SLO Brew downtown. In his free time, Lampman enjoys working in the shop at his house and restoring World War II trucks. If you are lucky, you might even see him riding in one around campus! Lampman and his wife have three wonderful children: one living in Atascadero, one in the navy, and one living in the San Francisco area.

When I asked Lampman about the oddest job he was ever hired to do, his face lit up like a child on Christmas morning! He described in great detail how he was asked to design and construct a coffin for an old family friend. His project turned out so well, he even considered doing it as a side job!

Lampman has been working at Cal Poly for over 20 years and has loved every moment. His passion for using education to improve the lives of his students is refreshing and highly appreciated! Lampman looks to guide his students in their journey to become hardworking and professional adults by the time they leave Cal Poly.
BRAE NEWS & EVENTS
FARM CITY NIGHT

Photo Credit: Mady Braught
Remember:

Karen Ross, Department of Food and Agriculture Secretary, will be speaking at Cal Poly!

Stop by Chumash on Thursday October 29th at 11 to hear her speech.

Question and answer session will follow.

Don’t forget to say hi to the new twins in the department if you see them around!
SAFETY TIP OF THE WEEK

Have your Long Hair in a Bun in Lab

Long hair should not be worn in the labs while:
- operating machinery
- cutting
- welding
- grinding

Any long hair, in the above listed situations, must be tied up and back in a bun or under a cap.

No long pony-tails or braids unless tucked into back of shirt.

Think safe!

Preferred hairstyles while operating machinery, cutting, welding, and grinding in the labs.
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Open forum with California Department of Food and Agriculture Secretary Karen Ross

Thursday, Oct. 29
11 a.m. to noon
Chumash Auditorium

Ross will talk about the issues facing California agriculture today, including climate change, water, and innovative technologies, healthy soils, and waste management.

A question and answer session will follow.

Come discuss issues facing California agriculture today!
STUDENT OPPORTUNITIES

FALL CAREER FAIR & INFO SESSION:

Construction Management Career Fair
Monday, November, 2nd, 9:30 AM – 12:00 PM
Chumash Auditorium

Granite Construction Information Session
Thursday, November 19th, 6:00 PM – 8:00 PM
Construction Innovation Center - Room 186-B202

Company Overview
As one of the largest diversified heavy civil contractors and construction materials producers in the United States, Granite strives to provide their customers with the highest standards of quality, value and service on every project. Granite’s vision is to be one of America’s leading infrastructure firms.

Office Locations
Granite is headquartered in Watsonville, California with dozens of offices across the country. To find any office relative to your own location, go to http://www.graniteconstruction.com/locations.

Markets
Granite is a full-service general contractor, construction management firm, and construction materials producer in North America. Consistently recognized as one of the top 25 largest construction companies in the U.S., Granite specializes in heavy civil, complex infrastructure projects serving the transportation, industrial, and federal markets. Our markets include transportation, federal contracting, mining, oil & gas, power, tunnel underground, and water resources.

To apply, visit us at: graniteconstruction.com
Find us online at: 

Recruiter Contact Information
Kathleen Armstrong, Regional HR Business Partner
Phone: 805.879.5304
Email: Kathleen.Armstrong@gcinc.com
Position: Agricultural Engineer/Technician, Full-time

Location: Paso Robles, CA

Job Description: Perform as a member of a research and development focused team to design and build new, innovative and custom machinery serving the agricultural industry. Responsibilities would include:

- Participating in the design of mechanical systems
- Performing engineering analysis
- Fabrication of prototypes
- Create 3D models, shop drawings and bills of materials
- Interact, consult and work closely with fellow designers, fabrication personnel, vendors and clients to complete jobs in an efficient and timely manner
- Test and modify equipment in field environments

Qualifications and Experience:
- Bachelor of Science degree in engineering
- Background in agriculture or related field
- Knowledge and experience with industrial fabrication and manufacturing processes and techniques (willing to work in production shop environment)
- Knowledge of mechanical systems, hydraulics and electrical
- Excellent computer skills
- Knowledge and experience with drafting and 3D solid modeling (Solidworks primarily)
- Effective written and oral communication, organization and time management skills
- Display ethics and professionalism at all times
- Work well in both team and independent environments
- Detail oriented individual with excellent critical thinking, problem solving and analytical skills
- Ability to efficiently prioritize and manage multiple projects simultaneously
- Willingness to travel and work overtime as necessary

Compensation and Benefits:
- Position is hourly with wages based on experience
- Complete benefit package including:
  - Group medical plans
  - Employer matched IRA
  - Paid vacation and holidays

How to Apply:
Send resume to: sbolt@andros-engineering.com
STUDENT OPPORTUNITIES
Engineers Without Borders West Coast Regional Conference

EVENT DESCRIPTION

The 2015 EWB-USA West Coast Regional Conference will be hosted by EWB-USA California Polytechnic State University San Luis Obispo Chapter. We invite problem solvers and thought leaders to attend this event to collaborate, teach, share best practices, and to identify and design appropriate solutions to common obstacles in community-driven development.

CONFERENCE REGISTRATION IS FULL

We are working with the college to find accommodations that will fit all that would like to attend. There is a wait list which will announce to you if someone cancels or more spots open up. Sorry for the inconveniences.

Conference Registration Closes 11/08/2015 @ 11:59pm

AGENDA

November 13, 2015
9:45 am Global Engineering and Unintended Consequences That Can Arise from a Strictly Technical Approach

November 14, 2015
1:00 pm USAID Experiences
Aerial Photomapping
Chapter Management Best Practices: Onboarding New Members & Officers
EWB-USA Domestic Projects: The Community Engineering Corps
Energy System Design Tools
Crisis Management While Traveling Overseas
Engaging Communities: Meaningful Participation
Clean Water and Sanitation: Issues and Technology
Peace Corps Master’s International and Engineering
Ecological Coffee Processing Facility, Nicaragua
Developing an Alternative Analysis
Concrete and Wood Structural Fastening
Participatory Rural Assessment (PRA) Methods

November 15, 2015
11:15 am Gear Up for the Year End Campaign
Solar Electricity: Basics & Hands-On
The Failure of Guateca, The Collaborative Appropriate Technology Summer School in San Pablo, Guatemala
Establishing Affordable Yet Profitable Economic Systems
fAIR4all, a Fair Air Coalition global campaign
Creating High Quality Construction Design Documents
9:45 am Student and Professional Chapter Partnership

HOTEL & TRAVEL

Stay with other EWB-USA conference attendees at the Holiday Inn Express!

Attendees may call the hotel directly at 805.544.8600 and ask for the “Engineers Without Borders” group rate of $150 when making your reservation. Please make reservations before 5:00pm on October 14th, 2015 as rates may change.

Located: 1800 Monterey Street, San Luis Obispo, CA 93405
For more information about the Holiday Inn Express visit their website.

SPONSORS

http://ewbusaconference.org/events/west-coast-regional-conference/
STUDENT OPPORTUNITIES

Irrigation Department Manager – Central Valley, CA

Working from one of our Central Valley locations, the Irrigation Department Manager will be responsible for overseeing the planning, organization and execution of all tasks involved in the Irrigation Department at Fruit Growers Supply Company (FGS).

Responsibilities will include:

• Leading and planning all facets related to the design applications.
• Managing the generation of sales, bidding and estimate processes for all new and existing business.
• Managing a group of individuals, providing coaching and necessary tools they need to perform their jobs.
• Managing sales and expenses and understanding the basic mechanics of a P&L.
• Promoting, supporting and implementing safety and quality policies and procedures.
• Providing for the safekeeping and maintenance of company assets and premises.
• Developing and monitoring programs designed to enhance customer service and sales.

Qualifications:

• B.S. Degree in Business or an agriculture-related field or equivalent education and experience related to agriculture or purchasing.
• Demonstrated ability to perform functions of a complex nature.
• Excellent computer skills—proficient in Microsoft office, Excel, Power Point, Word and Outlook. Irricad/Autocad experience required.
• Budgeting and purchasing experience.
• Must have strong verbal and written communication skills. Requires effective and frequent interaction on an individual and group basis.
• Excellent Customer Service philosophy.
• Understanding of citrus and irrigation methods and systems highly desirable.
• Bilingual ability (English/Spanish) is highly desirable.

FGS is a cooperative association that provides Sunkist Growers and others in the agricultural community with most materials and resources required to grow, harvest, package and ship citrus. FGS has grown along with the West's citrus production after being organized in 1907. FGS operations encompass manufacturing, distribution, and forest management in 15 locations in California, Arizona, Oregon and Washington.

FGS offers an excellent salary and benefits package including 401(k) with company match. For consideration, please forward your resume with salary history to fgs-hr@fruitgrowers.com

We are an Equal Opportunity Employer M/F/D/V