Don’t forget to pay for your tickets for the AES End of Year Banquet! This year you will not be able to pay at the door, you must pre-pay by Friday in the BRAE front office. Tickets are $30 for BRAE students and $35 for guests.
Come join the HGM team as an Application Engineer!

H.G. Makelim Co., the leading Value Added Reseller and Distributor of diesel and gas powered engines, service parts, and prime power generators has an outstanding opportunity for a new college grad as an Application Engineer for our fast-growing Engine Division.

In this role you will be a key member of the Engine Division team responsible for the design and support of engine packages for the Company’s OEM customers. You will also be responsible for CARB and EPA compliance testing, conducting field evaluations of applications in use, and other sales support of engine applications.

Located in Modesto, CA, the position supports H.G. Makelim’s activities in 8 western states with the opportunity to travel throughout the West (about 25% travel).

If you are looking for an opportunity to learn and grow with the best and would like to work with the industry’s top customers and vendors, this could be just what you are looking for! For more information and to apply, please contact Bryce DaFonte at bdafonte@hgmakelim.com or call Bryce at (650) 827-7552.

H.G. Makelim Co. is an equal opportunity employer.
Agricultural Machinery Engineer

Summary

This position involves the design and development of new agricultural equipment for the nut harvesting industry. This includes using CAD tools to develop computer models of new machinery and performing engineering analysis on proposed designs.

Job Description

• Responsible for design of new farm machinery for specialized markets
• Assist in maintaining all documentation required to manufacture current product-line of 20+ models; including, but not limited to:
  o Fabrication drawings
  o Weldment drawings
  o Assembly documentation and instructions
  o Bill of Materials
• Involved in routine design updates for existing models
• Undertake research projects to assist with product improvement
• Problem solving for manufacturing processes

Qualifications

• BS in an applicable engineering discipline
• Previous experience in machine design preferred
• Good mechanical background, and understanding of equipment
• Electronic systems and controls programming background is beneficial
• Self motivated, with great attention to detail
• Proficient with engineering and support software such as:
  o Solid Works
  o AutoCad
  o Cosmos
• Experience with an MRP package is desirable
• Comfortable communicating with managers, shop personnel, suppliers and customers
STUDENT OPPORTUNITIES

VINEYARD TEAM SEeks CANDIDATES FOR TECHNICAL PROGRAM MANAGER POSITION

We are a dynamic organization serving the winegrape community through education, research and outreach. This is a great opportunity for someone who cares about helping farmers, sustainability, developing and disseminating timely and progressive content, and overseeing projects in the field.

The Vineyard Team is a non-profit group dedicated to sustainable farming practices through demonstration, education, outreach and certification. The group has a 20 year track record of effectively working with growers on a variety of projects.

Interested candidates should email their resume to kris@vineyardteam.org

Technical Program Manager Job Description

Immediate Supervisor: Reports to Executive Director

Function: Develops and Implements Technical Programs & Educational Functions

Responsibilities:
- Plans, organizes, and facilitates VT educational activities, tailgates, and workshops under the direction of the Executive Director and in coordination with the appropriate committee(s)
- Develops and implements research/demonstration projects based on needs assessment of organization’s grower and winery stakeholders
- Develops and coordinates topics and speakers for the Sustainable Ag Expo under the direction of the Executive Director and appropriate committee
- Provides technical input and support for the SIP Certification program
- Creates and coordinates print and digital educational content for VT publications
- Develops and submits technical articles to external trade and agricultural publications
- Represents the lead staff responsible for leading and facilitating related stakeholder committees
- Represents the organization through attendance and/or presentations at agricultural, regulatory, or community meetings
- Identify and solicits outside funding to support technical and educational programs
- Tracks participations and other appropriate metrics for educational meetings, workshops, and VT programs
- Supports other VT programs, as necessary

Requirements:
- Professional and/or academic experience with implementing and outreaching grower research, demonstration, and educational programs
- Solid understanding of agriculture and related environmental issues, in addition to knowledge of the winegrape industry
- Able to perform position responsibilities independently without significant direct supervision
- Excellent organizational and time management skills; able to work concurrently on multiple projects and deadlines
- Strong verbal and written communication skills, with the ability to reframe communications based on audience
- Computer proficient in Word, Excel, and Powerpoint
- Ability to deal effectively with a variety of personality types and audiences
- Professional, mature, responsible, and enthusiastic attitude
- Strong personal commitment to the mission of the Vineyard Team

Additional Qualifications:
- Degree in related field; Masters or Ph.D preferred; 5 years experience overseeing ag research, demonstration, education projects
- Full time, exempt
- Compensation: Salary plus benefits (Medical, Vacation, Retirement)

Interested candidates should email their resume to kris@vineyardteam.org
Student Opportunities

Title: WATER RESOURCE CONTROL ENGINEER
Salary: $4,908.00 - $8,630.00
Posted: 05/04/2015

Job Description:

JOB DESCRIPTION/DUTIES: Under the close supervision of the Senior Environmental Scientist in the Rancho Cordova Office, the Water Resource Control Engineer will oversee and evaluate activities related to the implementation of waste discharge requirements in the Irrigated Lands Regulatory Program. The incumbent will provide agricultural engineering and technical expertise related to the effects of irrigated agricultural operations and management practices within the Central Valley Region on groundwater and surface water quality.

Specific responsibilities include: serve as a liaison to one or more agricultural coalition groups or individual dischargers, evaluate coalition compliance activities, including review and evaluation of technical water quality monitoring and management plan reports, analyze water quality data and assess agricultural practices to identify potential groundwater and surface water quality degradation resulting from irrigated agriculture, evaluate effectiveness of management practice implementation, and evaluates compliance with the California Water Code and Water Boards’ plans and policies, including Waste Discharge Requirements and Monitoring and Reporting Program requirements.

Additional duties: provide groundwater expertise, work with the agricultural community, participate in public meetings and technical committees, as required. Present information to Water Board(s), Coalition Groups, agencies and the public. The position requires travel and may include fieldwork.

DESIRABLE QUALIFICATIONS: Applicants who demonstrate knowledge of or experience working in an agriculture-related field such as agronomy, irrigation science, agricultural chemicals, and/or application of management practices and related environmental impacts. Groundwater background and experience is particularly desirable, as is experience with environmental data collection and analysis. Applicants who demonstrate project management proficiency, be motivated to learn new skills, have the ability to take the initiative, and perform a range of duties. Applicants who have the demonstrated ability to evaluate technical reports and write clear and accurate reports, clearly communicate and present scientific or technical issues, and have strong collaborative and public participation skills. Other desirable skills include the ability to work independently and in a team setting with other disciplines, the ability to handle a complex workload and meet critical deadlines. Good customer service skills, proficiency in standard computer applications and ability to perform field investigations. Ability to work in an office setting and travel for long periods (up to 8 hours) in a motor vehicle.

To be considered for this position and be granted an interview, you must submit your application and a completed Statement of Qualifications (SOQ). The SOQ must summarize your educational background, training, and experience describing how it relates to this position. The SOQ should be no longer than two pages, single-spaced, with a font no less than twelve-pitch. This information will be used in conjunction with the interview to assist the interview panel in determining the most qualified candidate.

WHO MAY APPLY:
Applicants who possess list, transfer or reinstatement eligibility for appointment to the above class. Applicant MUST have list eligibility on the State Water Resources Control Engineer’s Water Resource Control Engineer certification list. A listing of available examinations provided by the State Water Resources Control Board can be found at http://www.waterboards.ca.gov/about_us/employment/exam_bulletin.shtml

In order to be considered for this position, please indicate the basis of your eligibility (e.g., transfer, list, reinstatement) in the “Explanations” box on Page 1 of the State Application form (STD 676). Appointment is subject to the provisions of the SROA process. SROA/Reemployment candidates are encouraged to apply. Surplus employees must attach a copy of their surplus letter.

Submit a Standard State of California application (Form STD 678) and resume to Steve Thompson at the above address, or fax (916) 464-4600. Please include RPA # 14-150-094 on your application. For further information, contact Susan Fregen at (916) 464-4813 or email susan.fregen@waterboards.ca.gov.

Additional Information:

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<tr>
<td>Regional Quality Control Board, Central Valley 11020 Sun Center Drive, Ste. 260 Rancho Cordova, CA 95670</td>
<td>Steve Thompson (916) 464-4803 <a href="mailto:Steven.Thompson@waterboards.ca.gov">Steven.Thompson@waterboards.ca.gov</a></td>
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To All Undergrads,

The Cal Poly Water and Energy Sustainability Training Team (WESTT) is currently accepting applications for their Summer 2015 research program. This is an incredible opportunity to be a part of cutting edge research related to water and wastewater treatment, algae production, algae biofuels, and anaerobic digestion. For more information about this program and our goals visit our google plus page: <https://plus.google.com/u/0/103628358936732197948/about>.

Besides improving your resume and learning valuable analytical and laboratory techniques, 400 level units are available. Many of the skills learned during this program are usually associated with graduate level research and will give you a head start in the field upon graduation.

If you are interested in applying for this program during Summer 2015 fill out the application: <https://docs.google.com/forms/d/1F1oANrzhl7KiqlJdrA_7RL8F926roWkkJyZpesudQR3o/view-form>.

Please submit your application no later than May 24, 2015.

Please note, this is for the summer research program. Another announcement will be distributed late August for the Fall Research Program.

Best Regards,

Your Cal Poly Water and Energy Sustainability Training Team
Dr. Tryg Lundquist, Dr. Corinne Lehr and Shelley Blackwell
Scholarships

America’s Driver Job List: Logistics and Supply Chain Scholarship

At America’s Driver Job List, we recognize the important role supply chain logistics plays in shipping and transportation. As logistics grow more complex, supply chain innovations will become increasingly important to keeping shipping and handling costs down.

One grand prize scholarship of $1,000 and runner-up scholarship of $500 available to undergraduate and graduate students studying supply chain and logistics.

Submit 1,000 word or less essay: What technological advances would you use to make supply chains more efficient and reduce delivery costs due to rising fuel prices?

Due May 15, 2015. For more information or to apply:
https://www.driverjoblist.com/logistics-supply-chain-scholarship/

Tehama County CattleWomen Scholarship for Students with Ag Majors

** Must have been a resident of Tehama County and a Graduate of Tehama County High School

$2,000(or more) scholarship

Submit a short autobiography that includes:
Future Education and Career Goals
Applicant’s Financial Ability to Meet these Goals
Qualities of Good Character and Leadership Abilities

Due May 15, 2015. For more information or to apply:
http://www.tehamacountycattlewomen.org/scholarships.html

Jet Writers Scholarship

Essay writing contest, 800-1200 word essay on one of the following topics:

- Education in Digital Age: Opportunities and Threats
- Creativity In School: How Art Can Be Leveraged
- Relevance Of Classic Literature For Today’s Students
- Do Colleges Actually Prepare Students For Successful Career?
- Writing Essays at College: Why It’s Important

Due May 16, 2015. For more information:
http://jetwriters.com/essay-writing-contest/
Faculty Highlight: 
Dr. Charles Burt

*Author or co-author of 120 articles and study guides, related to on-farm irrigation, canal modernization, and efficiency
*First chairman of the IA Certification Board.
*Extensive field and design experience in drip, sprinkler, and surface.
*Extensive field and theoretical experience in canal/pipeline/pump modernization.
*Work experience in 26 countries.
*Registered Civil Engineer and Agricultural Engineer, California.
*Registered Professional Engineer, Utah.
*Person of the Year (1997) - The Irrigation Association.
*Person of the Year (2000) - California Irrigation Institute.

Many of you in the BRAE department may know him as a Professor Emeritus. But he can be formally recognized as the ITRC Board founder, director, AND, chair since 1989! Dr. Burt is a Cal Poly alumnus having graduated with a Bachelor of Science Degree in Soil Science. Then at Utah State University, he earned his Masters in Agricultural and Irrigation Engineering and later his Ph. D in Engineering. Over the course of his collegiate and professional career, Dr. Burt has received dozens of awards and honors that only further provide credibility for his greatness!

Along with his extensive and qualified time in education, some of Dr. Burt’s earliest employment experiences were with the U.S. Army as a combat demolition specialist in South Vietnam. He has also visited countries all over the world due to his private donor projects for irrigation and drainage work thru ITRC. He has a passion for traveling!

Dr. Burt reflects that his favorite part about teaching is seeing his students go on to work and be successful in the field in which he taught them. He is a proud professor and truly enjoys watching all of his students excel. We are so fortunate to have Dr. Burt as a part of the BRAE department. Stop by, say hi and ask this awesome professor about his travels!
**Safety Tip Of The Week**

When using a tool:

*Always use the tool for its intended purpose
*Mis-use of tools can damage the tool or even end up injuring you

What’s wrong with this picture?
Never use a flat head screwdriver as a chisel or pry-bar!

This is a staged event, do not attempt.
Our annual end of year awards banquet recognizes the hard working students of the BRAE Dept. and their accomplishments made throughout the year. We have many exciting events planned that you don’t want to miss. There are many scholarships to be given out along with department awards.

**Ticket Prices**

**BRAE Dept. Students:** $30.00

**Guests:** $35.00

*Sign up in the BRAE Office Bldg. 8 Room 101*

*Last day to sign up: May 8, 2015*

**Catered Dinner:** Your choice of Rib Eye, Salmon, or Vegetarian. All dinners are served with mixed green salad, homemade dinner rolls, whipped potatoes, seasonal vegetable, coffee, tea, or milk, and a dessert. No host bar, your choice of soda, ice tea or coffee is included with dinner.

Questions please contact Jenna Smiley, AES Vice President jdsmiley@calpoly.edu

Please pay by May 15th!
DON'T MISS

FAMILY
Movie Night

Thursday, May 21st
Lab One @ 7 pm
Bring your own seating (lounge chairs, beach chairs, beanbags). Popcorn will be provided.

It's a #throwbackthursday!
We will be watching either The Sandlot or The Little Rascals. See you there!
# MAY CALENDAR

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For more events check out the Department Calendar: https://connect.calpoly.edu/home/amaccarl@calpoly.edu/BRAE%20Department%20Events.html