Welcome Back Students!

Students, Raul Lopez and Charlie Ross, work on a robot.

Professors serve students dinner at the Welcome Back BBQ.

BRAE News & Events
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At the beginning of this school year, we welcomed Dr. Charlie Crabb into BRAE where he will be serving as our interim department head this year. Crabb comes with an understanding of education and experience that will benefit the BRAE department.

Crabb earned his undergraduate degree and PhD from UC Davis and completed academic training as an agricultural ecologist specializing in pest control. In 1978, Crabb began teaching Crop Science at Cal Poly. During his 17 years here, he also served as the Associate Dean of what was then, the College of Agriculture. He left to work at UC Division of Agriculture and Natural Resources. Crabb also served as the Dean of College of Agriculture at CSU Chico before he retired in early 2006. Since then, Crabb has taken on a variety of what he calls, “projects.” He spent time working with government affairs for the Farm Bureau, and held a variety of positions for the Agriculture Leadership Foundation. Finally, he returned to Cal Poly in 2010 where he has served as assistant to the Provost and most recently was the interim department head for the Dairy Science department.

Crabb noted that his favorite parts about working for the BRAE family are: the faculty’s focus and heart for students, the interaction with students on a daily basis, and the incredible amount of positive energy within the labs, office, and classrooms.

Outside of Cal Poly, Crabb has a passion for airplanes and automobiles. He is an instrument pilot and flew a single engine airplane all over California. There is also a 1962 Volkswagen Double Cab Pick-up waiting for him to work on!

Dr. Crabb closes with some finals thoughts as he reflects on his career. He likes the quote, “Today decides tomorrow,” so when you make a decision be sure to evaluate how it will affect you in the long run. “Doing things right today pays off. Each day builds on the next!” On behalf of the BRAE department, we welcome you and look forward to seeing and helping you succeed as our interim department head, Dr. Crabb!
BRAE NEWS & EVENTS

CLUB MEETINGS START

WHAT: 1st AES Meeting

WHEN: October 7th at 6 pm

WHERE: Lab 1 in the BRAE Building

WHY: “When you become an AES member, $5 dues per quarter gets you the best food on campus at our monthly meetings where we have special guest speakers and fun activities. It’s a great place to get to know your peers and network with industry professionals. For this first meeting, we will be welcoming our new Department Head, Dr. Charles Crabb as our guest speaker,” Martha Moak.

The Officer meetings for the BRAE clubs takes place every Tuesday and everyone is encouraged to attend. They start at 6pm in Building 8-122.

TRACTOR PULL MEETING

The Cal Poly Tractor Pull Club is ready to kick off the year on October 13th! Join us in Building 8, Room 122 at 7pm to learn more about our club, start up the tractors and enjoy a hot dog BBQ. Don’t forget your official Tractor Pull Coozie to keep your refreshments ice-cold. See you there!
**THURSDAY BRAE BBQ**

Don’t forget to stop by the BRAE BBQ every Thursday at 11 on the BRAE Ramp. Five dollars will get you a great meal cooked by your own BRAE students!

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**SWE - NETWORKING SHOWCASE**

Please join us for SWE’s first Company Networking Showcase on October 5th from 7-9 pm in Chumash Auditorium. Anyone is welcome to attend this exciting event and network with companies before the Fall Career Fair. Appetizers will also be provided!

Attendance is limited, so please RSVP using this link and send an electronic copy of your resume to cpswecorporateassistant@gmail.com so that companies can have a copy of your resume.

RSVP by Friday, October 2.

RSVP Link: http://goo.gl/forms/JB76qqhPol

Attending companies include:
Google, Tesla, Amazon, Microsoft, Southern California Edison, Schneider Electric, PepsiCo FritoLay, Workday, Lawrence Livermore National Laboratory, Revenue Solutions, Inc.
SAFETY TIP OF THE WEEK

• Always wear proper footwear in shops
• Top of the foot must be completely covered
• No open-toed or open-heeled shoes
• No high heels

Wearing the proper footwear in the shops will protect your feet from hot sparks from grinding, molten slag form welding, sharp chips form machining and lathing, and falling objects. Lockers are available to the students who would like to store their shoes in the shops.

For questions, see Virgil Threlkel or Student Supervisor Technicians.

PROPER FOOTWEAR

IMPROPER FOOTWEAR
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STUDENT OPPORTUNITIES

IRRIGATION DESIGNER
Atwater Irrigation, Inc. – Atwater, CA

Atwater Irrigation, Inc. is an agricultural irrigation supply company located in the Central Valley, CA that is growing and in need of a full-time irrigation designer. Currently, our main focus is providing designs and selling irrigation systems for permanent and row crop industries.

RESPONSIBILITIES:
- Design engineering
- Project field layout
- GPS surveying
- Provide parts list take-off
- Troubleshooting
- Provide engineering support to sales staff on job details and specifications.

EXPERIENCE & QUALIFICATIONS:
- College degree desired (BSAE or BSME), but not required. This may be replaced with experience.
- Knowledge of water requirements for agricultural crops and soil moisture relations.
- CID and CIAD certified preferred.
- AutoCAD, IrrCAD and GPS mapping software experience preferred.

ADDITIONAL SKILLS:
- Strong computer skills including Microsoft Excel, Word and Outlook.
- Able to interact with growers
  - Self-motivated
  - Organized
  - Ability to work independently
  - Strong attention to detail
  - Multi-tasker
  - Excellent communication skills.
- Team player; work closely with all members of staff.

Our company offers a competitive compensation package including, but not limited to; salary and vacation.

Annual Salary: $45,000.00 - $65,000.00 (Depending on experience and qualifications)
Job Type: Full-time

www.atwaterirrigation.com
7016 Atwater Jordan Road
Atwater, CA 95301
Phone (209) 358-1685
Fax (209) 358-2750
STUDENT OPPORTUNITIES

JOB OPPORTUNITY

Irrigation Assistant Manager
(Specializing in Agricultural Engineering)

Wonderful Orchards is currently recruiting to fill a full-time vacancy in the irrigation team. We are looking for a soon to be or recent Agricultural Engineering major graduate, who would be interested and committed to work long term in a farming environment.

The open position is an Irrigation Assistant Manager, who will be involved in wide ranges and many aspects of irrigation and tree crop farming. This position will be responsible for:

- Managing Irrigation Systems: to be in charge of managing daily operation, maintaining efficiencies of Irrigation Systems, system treatment and repairs.
- Managing water resources: analyzing the water supply availability from different sources to allocate water appropriately to meet the tree crop demand, and/or adapting to harvesting, drought and shortage condition.
- Assisting PFC Engineer in Irrigation System Design, Modification and Construction.
- Assisting Farm Manager in developing annual Fertility, Soil & Water amendment programs.
- Overseeing Irrigation Scheduling for Almond & Pistachio orchards and monitoring tree stresses.
- Cooperating with researchers in all irrigation related research projects.

This is an opportunity for on-the-job training, no previous experience required. The successful candidate, while working as an assistant, will be considered as in training to assume Irrigation Manager position in approximately two years.

Qualifications
Bachelor degree in Agricultural Engineering or very closely related major
Computer proficient in Word, Excel, and the use of the Internet
Good verbal and written communication skills
Research and analysis skills
Ability to write and present reports as requested
Valid CA Driver License or ability to obtain one

Work assignment may include days, nights, weekends and holidays.
This position will be based out of Shafter, California.
This position is subject to pre-employment and random substance abuse testing.

Apply online at:
www.wonderful.com

Or email resume to
careers.orchards@wonderful.com

For questions call (661) 399-4456.

Wonderful Orchards is an equal opportunity employer.
STUDENT OPPORTUNITIES

Rain for Rent
Engineer Position

Job Title: Engineer
Department: Engineering
Reports To: CPE Manager or NPD Manager or Instrumentation Mgr
FLSA Status: Exempt

Please contact: Ken Kross
kkross@rainforrent.com
661.387.6183

Summary:
The Rain for Rent Engineer is a key member of a team tasked with providing the following for the company:

- Applications Engineering Support
- New Product Development
- Engineering Project Delivery
- Technical Risk Management
- Manufacturing Management
- Equipment Design
- Technical Regulatory Compliance
- Mechanical Engineering
- Agricultural Engineering
- Controls Engineering

The Engineer supports the department’s two primary functions: Applications Support and New Product Development. We believe our applications knowledge gained through our support function makes us better at developing products. We also believe that by developing our own products, we can solve more of our customer’s problems. These principles form the foundation of the engineering team and are the basis for the job duties outlined below.

Qualifications:
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience:
Bachelor’s degree (B.S) from a four-year accredited university with one of the following degrees; and three years related experience and/or training:

- BS Mechanical Engineering
- BS Civil Engineering
STUDENT OPPORTUNITIES

Position  Field Agricultural Engineer - Vegetables
Location  Salinas, CA, with seasonal work in Yuma, AZ

About Blue River

Blue River Technology serves the agricultural industry with revolutionary computer-vision based robotics designed to unlock greater crop yield potential. Our proprietary systems perform a range of tasks, from making real-time plant thinning decisions to processing huge amounts of plant image data to generate useful metrics for plant breeders. We envision a future where farmers use robotics to individually care for each plant in their fields. We have begun by targeting vegetable crops grown locally here in California, and have been recently expanding our work to include a wider range of crops and geographies. Our team of 30 comes from diverse backgrounds in robotics, computer vision, agriculture, and business. We receive support and investment from venture capital firms, including Khosla Ventures and Data Collective.

Position description

We are looking for a skilled Field Engineer with a background in agricultural machinery to help support and maintain our fleet of lettuce thinning machines. The primary role of this position is to troubleshoot problems in the field and provide support leading to short-term and long-term fixes to the equipment. Tasks include performing root-cause analysis and repairs, assisting operators in resolving problems in the field, tracking issues and progress in fixing them, and communicating with the remote support and engineering team on a regular basis.

Requirements

- Bachelor’s degree in Agricultural Engineering or related technical areas
- Experience working with machinery in the field
- Ability to diagnose and resolve challenging technical issues
- Excellent communication and teamwork skills

In addition, the following are a plus:

- Advanced degree in Engineering or related technical areas
- Experience working on electromechanical and/or computer-based systems
- Experience providing field support for agricultural or related products

Interested?

Please send your resume to careers@bluerivert.com with "Field Ag Engineer - Vegetables" in the subject line and include a brief explanation of why your interests and background match this position.
Lindsay Corporation has been a leader in the manufacture and distribution of agricultural equipment for over 50 years. We have grown our sales and distribution network from a regional company, to a major international firm with worldwide sales and distribution. Today, our major business segments of Irrigation and Infrastructure are both driven by the expanding, global population and are both “green” businesses, helping to improve the environment. Both businesses provide tremendous social and economic value through our products and services.

SPF Water Engineering, a business unit of the Lindsay Corporation, provides general civil engineering, water resource consulting, water engineering, and wastewater engineering services. SPF has a growing client base and holds a high level of integrity, creative and cost-effective solutions, and high-quality service. We are committed to being an “employer of choice” in our industry by supporting and encouraging efforts of our members and associates to build successful careers as engineers, consultants, and entrepreneurs. We provide professional growth opportunities in proportion to initiative, expertise, and success. Visit www.spfwater.com for additional company information.

We have an exciting opportunity for a Groundwater Engineer or Hydrogeologist for water supply and environmental projects in the Pacific Northwest. Work will be conducted from SPF’s Boise office on projects located primarily in Idaho and surrounding states. International work opportunities may be available. This role would be part of a flexible team with diverse projects and work in Boise, ID, one of the top destination spots in the country. Apply today!

What we have to offer: Lindsay has a very competitive compensation plan, including a strong bonus programs and advancement opportunities. We also offer a comprehensive benefits package, including: medical, dental, vision, disability, life insurance, pretax spending accounts, 401(k), tuition assistance, 10 paid holidays and a stock purchase plan.

Expectations:
2 Primary responsibilities will include water supply planning and permitting, well and pump system design, aquifer testing, groundwater modeling, and water quality investigations.
3 Analysis of geologic, hydrologic, and water quality data, engineering design, field work, and report writing
4 Ability to work closely with clients and interact internally with other SPF staff on many different types of projects.

Required Qualifications:
• 5 to 20 years of practical experience
• B.S., M.S., or Ph.D. degree in geological engineering, civil engineering, or hydrogeology.
• P.E. or P.G. registration is required, with the ability to obtain registration as both preferred.
• Excellent written and oral communication skills are essential.
• ArcGIS and MODFLOW experience are preferred.
• Experience with water rights, wastewater reuse, and irrigation is preferred.

Don’t pass up this unique and rewarding opportunity! Apply today!

https://lindsay.applicantpro.com/jobs/278169.html
STUDENT OPPORTUNITIES

United States Department of Agriculture
Natural Resources Conservation Service

Job Title: Soil Conservationist
Department: Department Of Agriculture
Agency: Natural Resources Conservation Service
Job Announcement Number: NRCS-15-1294-06-55

SALARY RANGE: $39,570.00 to $54,226.00 / Per Year
OPEN PERIOD: Wednesday, September 23, 2015 to Tuesday, September 29, 2015
SERIES & GRADE: GS-0457-07
POSITION INFORMATION: Full-Time - Permanent
PROMOTION POTENTIAL: O9
DUTY LOCATIONS: 3 vacancies in the following location(s):
   - Central Point, OR
   - Condon, OR
   - Saint Helens, OR
WHO MAY APPLY: US Citizens and Nationals; no prior Federal experience is required.
SECURITY CLEARANCE: Q - Sensitive
SUPERVISORY STATUS: No

JOB SUMMARY:
USDA's Natural Resources Conservation Service (NRCS) helps America's farmers and ranchers conserve the Nation's soil, water, air and other natural resources. We need people who want to apply their education and experience to make sure we all enjoy the benefits of productive soil, clean water, clean air, and abundant wildlife that come from a healthy environment. "Helping People Help the Land" http://www.nrcs.usda.gov/

There are three (3) vacancies available in the following locations: Condon, OR (John Day and Snake River Basins), St. Helens, OR (Lower Willamette and SW Basin). The incumbent will provide technical guidance and assistance to individual landowners, and to groups of landowners interested in planning and implementing natural resources conservation practices and projects.

TRAVEL REQUIRED
- Occasional Travel
- Up to 15%

RELOCATION AUTHORIZED
- No

KEY REQUIREMENTS
- US Citizenship is required.
- Selective Service Registration is required for males born after 12/31/1959.
- A 1-year probationary period is required.

DUTIES:
- Assists the District Conservationist in determining Field Office workloads, prioritizing the workload, and then implementing projects and programs.
- Provides technical guidance on resource issues to local planning groups, agency representatives, and other partners.
- Develops resource management plans with operators.
- Participates in outreach and education efforts for various conservation programs and initiatives.

QUALIFICATIONS REQUIRED:
All applicants must meet all qualifications such as the education requirement and the specialized experience requirements listed below by the closing date of the announcement.

Basic Education Requirement:
Degree: Bachelor's degree in soil conservation or related agricultural or natural resource discipline such as agronomy, soil science, forestry, agricultural education, or agricultural engineering. The study must have included 30 semester hours in a natural resource or agricultural field, including at least 12 semester hours in a combination of soils and crops or plant science. Of the 12 semester hours, a minimum of 3 semester hours must have been in soils and 3 semester hours in crops or plant science;
OR
A combination of education and experience: at least 30 semester hours in one or more of the disciplines as shown above, including at least 12 semester hours in a combination of soils and crops or plant science, plus appropriate experience or additional education. Of the 12 semester hours, a minimum of 3 semester hours must have been in soils and 3 semester hours in crops or plant science.

Specialized Experience Requirement:
Applicants must have at least one (1) year of specialized experience equivalent to at least the GS-5 grade level in the federal service which is in or directly related to the line of work of the position to be filled and which has equipped the applicant with the particular knowledge, skills, and abilities to successfully perform the duties of the position. This experience is defined as experience and knowledge of the application of routine principles, concepts and methodology associated with natural resources; practical experience working directly with other soil conservationists in providing technical advice while meeting deadlines and priorities in which any deviations or problems are referred to the supervisor;
OR
Substitution of education in lieu of specialized experience:
1 year of graduate-level education or 18 semester hours of progressively higher education leading to a master's degree, from an accredited college or university in soil conservation or related agricultural or natural resource discipline such as agronomy, soil science, forestry, agricultural education, or agricultural engineering.

Visit us at https://www.usajobs.gov/GetJob/ViewDetails/416575800
STUDENT OPPORTUNITIES

Area Precision Ag Specialist

The J.R. Simplot Company is a diverse, privately held organization with roots firmly planted in agriculture and agriculture-related businesses. These endeavors have been around for centuries and will continue to be a vital part of the global economy.

Summary
The Area Precision Ag Specialist will provide technical support to the SGS Crop Advisors and other support staff to maximize the company's effort to capitalize on the potential of Precision Agriculture. This position provides technical support to sales. The Specialist will assess the need for continued education and provide training in Ag Technology area. This position will integrate IT advances into SGS sales force to assist in providing solutions to customer needs for products and services. This position is responsible for mapping including generating prescription maps, field, variable rate irrigation, yield analysis, boundary. The Ag Specialist makes recommendations for zone creation and geo spatial analysis. Assists the SGS Crop Advisors with soil sampling, collection of site-specific data, etc. Maintains precision Ag equipment and making recommendations to customers regarding equipment. Designs and assists with the collection of test plot data.

Responsibilities
• Assists the Simplot Growers Solutions Crop Advisors with soil sampling, collection of site-specific data
• Maintains precision Ag equipment and makes recommendations to customers regarding equipment. Design and collection of test plot data.
• Providing technical support to SGS Crop Advisors and support staff on Precision Ag technology. Provide any needed IT technical support. Integrate IT advances into SGS sales force to assist in providing solutions to customer needs for products and services.
• Responsible for mapping including generating prescription maps; field; variable rate irrigation; yield analysis; boundary. Making recommendations for zone creation and geo spatial analysis.

Requirements
• Bachelor’s degree from a four-year college or university in Agronomy or similar field required
• 3+ years related experience and/or training preferred
• Equivalent combination of education and experience may be considered for meeting the minimum requirements
• Must have some agronomic experience
• Position will require traveling up to 50% of the time
• Strong computer background and skills. ArcGIS experience preferred.

Contact the following for more information:
Chandler Wilson  Chris Gallo
PCA/ Precision Ag Specialist  Precision Ag Manager/ CCA
chandler.wilson@simplot.com  chris.gallo@simplot.com
STUDENT OPPORTUNITIES

WATER ENGINEER
POSITION OPEN IMMEDIATELY

From the fertile soils of California’s San Joaquin Valley to the open fields of South Wales, Australia, the J. G. Boswell Company has a rich history of working with the land. For over 85 years and three generations, Boswell has depended on dedicated people, innovative technology and solid relationships to ensure its success. From growing the world’s finest extra long staple Pima Cotton to development of master planned communities and business parks, the Boswell Company is known for its tradition of excellence.

As a member of our team, you will engage in all aspects of on-farm water management, design techniques in partnership with professional engineers and industry leading agriculture professionals. Learn from the best how to design, plan and oversee water construction projects that maximize water utilization.

We would love for you to come and talk to us about what makes our Company unique. As a student of Cal Poly SLO, we know you have the skills to begin a successful career with J. G. Boswell Company.

Our open position is located in Corcoran, CA (south of Fresno & Hanford) and open to recent or upcoming graduates. We offer a competitive compensation & benefit package that includes a 401(k) profit sharing and defined benefit pension plan. Relocation assistance is available. Candidates are encouraged to apply by sending their cover letter, resume and transcripts to: jobs@jgboswell.com or call Larisa Arambula @ 661-333-7135 for more information about the position.

J. G. Boswell Company is an Equal Opportunity Employer M/V/F/D
STUDENT OPPORTUNITIES

Agronomist
POSITION OPEN IMMEDIATELY

From the fertile soils of California’s San Joaquin Valley to the open fields of South Wales, Australia, the J. G. Boswell Company has a rich history of working with the land. For over 85 years and three generations, Boswell has depended on dedicated people, innovative technology and solid relationships to ensure its success. From growing the world’s finest extra long staple Pima Cotton to development of master planned communities and business parks, the Boswell Company is known for its tradition of excellence.

As an Agronomist you will assist Farm Managers and Pest Control Advisors with the development of sound agronomic practices for a large family owned company. You will conduct field research in plant and soil fertility, irrigation, pesticides, growth regulators, and new technologies that can bring value and improvement to the farming operations.

We would love for you to come and talk to us about what makes our Company unique. As a student of Cal Poly SLO, we know you have the skills to begin a successful career with J. G. Boswell Company.

Our open position is located on our Kern County Ranch (outside of Bakersfield, CA) and open to recent or upcoming graduates. We offer a competitive compensation & benefit package that includes a 401(k) profit sharing and defined benefit pension plan. Relocation assistance is available. Candidates are encouraged to apply by sending their cover letter, resume and transcripts to: jobs@jgboswell.com or call Larisa Arambula @ 661-333-7135 for more information about the position.

J. G. Boswell Company is an Equal Opportunity Employer M/V/F/D