WELCOME BACK FOR FALL QUARTER 2016

Get excited for another fantastic year under the “Learn by Doing” Philosophy!
Welcoming in the new BRAE Department Head!

Short Note from Dr. Peter Livingston, PE:

I am thrilled to be joining the Cal Poly Family as the new BioResource and Agricultural Engineering Department Head. My time at the University of Arizona prepared me for the academic side of the equation, and my work as a registered and practicing Biosystems engineer taught me that the key to success is building relationships. I have met many folks across the SLO campus and am looking forward to cultivating those relationships to benefit BRAE. I have also met some of BRAE’s Industrial Advisory Committee members and will be using their experience to further benefit the BRAE Department and the involved students. Additionally, I will also be looking to our northern neighbor, UC Davis, as an important partner. We produce grounded and talented students that UC Davis faculty would like to add to their own graduate programs. I plan to include our faculty in the bargain, building relationships on research projects with Davis faculty.

I believe that it is important to give back to our profession. I have been active by volunteering as an industrial advisor to Pima County Department of Environmental Quality; Arizona Section officer with the American Society of Agricultural and Biosystems Engineers, and as a commissioner for ABET, the entity that accredits engineering programs around the country. I have also been involved in K-12 education, as the Governing Board President for the Tanque Verde Unified School District in Tucson.

I have over 30 years’ experience as a professional engineer, with expertise in the field of Agricultural Engineering, and an emphasis in farm planning and design. My design projects range from 25 acre plots of land used by Native Americans to produce sustainable vegetables to large multi-thousand acre commercial agricultural enterprises. I am as fascinated by the business side of agriculture as I am by the technical design side. My “agricultural” expertise is in soil/water interface, which includes irrigation, groundwater recharge, and natural and constructed wetlands. Technical expertise includes pipeline hydraulic modeling; controlled environment system design, water resources planning; wastewater planning, design, and permitting; domestic water master plans; permitting, design, construction, and operation of recharge facilities; design and operation of water distribution systems; and constructed wetland design and permitting. You can’t just be a design engineer, the softer side of project development can be more important, and certainly more time consuming than design. The softer side includes various aspects of natural resource planning, preparation of National Environmental Policy Act (NEPA) documents, 404 permitting, environmental planning, environmental impact analysis, and loan and grant application preparation.

My wife, Sue, spent her career as a middle school science teacher. Her volunteer time was spent as a leader for the local 4-H chapter. We raised our three children to be active participants in 4-H. They were in small and large livestock projects, taking home many blue ribbons and round-robin championships. We have continued the animal side of our lives by raising various exotic animals, including wallabies, sika deer, and alpacas. We will be relocating the alpacas to San Luis Obispo county. They are sheared annually and their fleece is made into yarn, socks and rugs. The sale of these items supports the upkeep of the animals.

I am excited to begin my time here at Cal Poly San Luis Obispo!
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<td>GSE Interest Meeting 11AM Baker 180-230</td>
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<td>CENG Grad School Fair 10AM-12PM 192-220</td>
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BRAE News and Events

BRAE Department

Welcome BBQ September 29th
Best meal of the week!! Served by BRAE Faculty
5:15PM for a Special Contest!
6:15 for Dinner!
If you have class till 6:00 PM show up then!
If you have class at 6:10PM, stay real close, get food and run to class!

Engineers without Borders (EWB)

First General Meeting (9/26)
Come to our first meeting of the year Monday 6-8 pm at Chumash Auditorium (located in the UU)! We will be talking about what EWB is, our project teams, as well as some activities we have planned for this quarter. FREE pizza will be provided. We will also be signing people up to be members. The fee will be $20 for freshman and transfers and $25 for all others interested. With the fee, you will receive this year's EWB t-shirt. We will also be selling EWB hats for $20 and tank tops for $15.

First Project Team Meetings (10/3)

Avila Ridge Hike (10/2)
Join EWB as we hike the Avila Ridge this Sunday! Meet in the parking lot by Pirate's Cove at 1 pm. Make sure to bring water and wear hiking clothes.

EWB Regional Conference in Vegas
EWB-USA is hosting their Regional Conference in Las Vegas, Nevada this October 14-16, 2016. If you're interested in attending, please contact the officer team.
This course is a series of interactive seminars with speakers from government and industry covering policy and regulations affecting California agriculture. Students develop an understanding of agricultural policy while sharpening their critical thinking and leadership skills. In one key assignment, students will work in teams to develop a public presentation and position paper on a significant issue. Field trip to Sacramento required. The course is limited to 20 students, recommended by their department head/chair and selected by the course instructor.

Prerequisites: Completion of GE Area D2 (ECON 201 or ECON 222 recommended), and junior standing.

This course is ideal for students interested in enhancing their critical thinking and leadership skills and is good preparation for those interested in careers with agricultural policy, government positions or who are thinking about law school.

Please see your department head/chair if interested in this course.
Hello all!

This Spring Break, Global Student Embassy Cal Poly invites you to join in a trip to Boaco, Nicaragua. Sow seeds and dig in the dirt alongside local environmentalists as we develop sustainable agriculture projects at a non-profit clinic outside of Boaco, and spend tranquil evenings listing to the howlers from the ranch hotel. Finish up the trip with a few days relaxing at a volcanic crater lake called Laguna de Apoyo, or at famous Playa Gigante on Nicaragua's Gold Coast. This is the birth of a youth environmental movement, where students develop technical skills and the drive to change the world. There is room for 15-20 folks. Mark your calendars for the INTEREST MEETINGS THIS THURSDAY AND FRIDAY. These will be the first of this fall! Come learn how you can fundraise to make your trip possible! The registration deadline is December 15th. The holidays are a great time to fundraise!

1st Meeting:                                        2nd Meeting:
Thursday September 29th                Friday September 30th
11am-12pm                                       3-4pm
Baker 180-230                                   Baker 180-230

In addition to getting to travel for super cheap, this will also look great on your resume and set you apart from other graduates.

Come on through, and feel free to launch an email at mmontg01@calpoly.edu!
More information can be found at https://globalstudentembassy.org/get-involved/university-students/cal-poly/
You can register at www.globalstudentembassy.org/registration
Check out our facebook page! https://www.facebook.com/GlobalStudentEmbassy/

Thanks and look forward to seeing you soon!
Refreshments will be provided. Please come and learn about graduate school