Congratulations to our BRAE graduates, we know that you have an exciting future waiting ahead for you! The BRAE front office staff wishes you all a happy and safe summer!

IMPORTANT: All final senior project reports are due, signed by you and your advisor by this Friday at 4pm.
Civil Design Studio, Inc is announcing an immediate opening for the following position:

**Civil Engineering Internship**

**Position Description:**
We are seeking qualified candidates for a Civil Engineering Internship at our Cambria, CA office. This is an exciting opportunity to get involved with a young company. Work will involve:

- Initial work will involve redline drafting
- Provide support to civil engineering staff in producing the following work products:
  - Grading and Drainage Plans
  - Public Improvement Plans (streets and utilities)
  - Composite Utility Plans
  - Horizontal Control Plans
  - Erosion Control Plans
  - Hydrology report/calculations
  - Engineering Cost Estimates
  - Traffic Control Plans
  - Cross-sections (roads and building sites)
- Create 3D models of proposed building sites, roads, etc.
- Assisting with hydrology/hydraulic calculations

**Essential Skills**
- Proficient in Autocad, preferably knowledge of Civil 3D.
- Desire to learn and strive for excellence
- Knowledge of hydraulics/hydrology
- EIT preferred
- High attention to detail and consistency
- Tech-savvy

**Company Profile**
Civil Design Studio, Inc. is a recent startup company involved in civil engineering. CDS is not your typical engineering company with layers of project managers, engineers, designers, and drafters. We expect our engineers to both design and draft in order to increase our efficiency over our competition.

If you think this description fits you, please forward your resume to info@civil-studio.com
STUDENT OPPORTUNITIES

Civil Design Studio, Inc is announcing an immediate opening for the following position:

Civil Engineer 1

Position Description:
We are seeking qualified candidates for a Civil Engineer 1 at our Cambria, CA office. This is an exciting opportunity to get involved with a young company. Work will involve:

- Design and drafting of civil engineering projects. Required work products include:
  - Grading and Drainage Plans
  - Public Improvement Plans (streets and utilities)
  - Composite Utility Plans
  - Horizontal Control Plans
  - Erosion Control Plans
  - Hydrology report/calculations
  - Engineering Cost Estimates
  - Traffic Control Plans
  - Cross-sections (roads and building sites)
- Create 3D models of proposed building sites, roads, etc.
- Assisting with hydrology/hydraulic calculations

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- Proficient in Autocad, preferably knowledge of Civil 3D.
- Desire to learn and strive for excellence
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Company Profile
Civil Design Studio, Inc. is a recent startup company involved in civil engineering. CDS is not your typical engineering company with layers of project managers, engineers, designers, and drafters. We expect our engineers to both design and draft in order to increase our efficiency over our competition.

If you think this description fits you, please forward your resume to info@civil-studio.com
Job Description: Project Coordinator
Job Location: Atascadero, California

POSITION SUMMARY:
The Project Coordinator is responsible for assisting the Project and Operations Managers in the planning, field crew direction, project completion, vendor relations, and final outcome of all projects. The ideal candidate will be required in coordinating project specifications that include, but not limited to:

- Preparing and maintaining project documentation including bids, specifications, meeting minutes, transmittals, requests for quotes, reviews and approvals, and other project documentation
- Assisting in project initiation, creating job numbers, project information and contact sheets.
- Collating technical and other necessary project data from customers
- Assisting with project research
- Procuring permits and prepare project maps
- Maintaining field crew schedules and project milestones
- Compiling field packet / field package
- Processing reports, such as daily reports, e-logs, samples, casing, and well completion reports
- Assuring field data is accurately prepared and reported on time
- Communicating with customers on project status, schedule, changes, and documentation
- Establishing and maintaining project filing
- Assist in maintaining and refining electronic files system and standard document formats
- Support technical team with general administrative tasks such as answering phones, e-mailing, copying, filing, organizing, mailing, and expediting information as needed.
- Assisting with procurement of materials for Production and Field Crews.
- Providing administrative support for hiring field staff.
- Assists with Safety and Compliance, maintaining certifications and personnel safety equipment
- Managing and performing special projects as required.
- Prioritize a variety of tasks with little supervision and work independently
- Work as a contributing member of a team.

JOB REQUIREMENTS:
The Project Coordinator is expected to possess a wide range of skills, talents and knowledge necessary to assist with the management of projects from conception through job completion. The position requires strong analytical ability and project management skills. Excellent faculties with digital technology including Microsoft Office applications are required. Excellent interpersonal skills with strong oral and written communication abilities are necessary.
MINIMUM QUALIFICATIONS:

- Obtained or working towards a bachelor’s degree in construction management, agricultural engineering, or equivalent years of work experience within the construction or well drilling industry.
- Must have professional presentation and inter-personal abilities.
- An advanced level of computer skills with all Microsoft Office applications, including advanced MS Word formatting, building Excel spreadsheets, creating forms, and reports.
- Knowledge of project management systems and software (MS Project/Smartsheets etc.)
- Ability to work in a fast paced, dynamic, team environment with constant communication between all departments & personnel.

OTHER DESIRED QUALIFICATIONS:

- One (1) to Five (5) years experience in a professional office environment, with required interaction with internal and external customers.
- Experience in project management in construction or civil/geotechnical engineering.
- Knowledge of office systems.
- Knowledge of well drilling, and/or booster pump applications.
- Ability to understand technical drawings and specifications.

COMPENSATION:
Pacific Coast Well Drilling offers a competitive salary and benefits package.

HOW TO APPLY:
Completion and submittal of a Pacific Coast Well Drilling job application and résumé required. Applications and résumés are accepted until the position is filled, and must be submitted to:

Pacific Coast Well Drilling
Attn: Ben Quick
PO Box 184
Templeton, Ca. 93465
benquick@pcwelldrilling.com

For an application or more detailed information on the position, and application process please call 805-434-5543 or email: benquick@pcwelldrilling.com
Post-BS and Post-MS Research Associate Positions in Microalgae Biofuels R&D at Pacific Northwest National Laboratory, Marine Sciences Laboratory, Sequim, WA

The selected candidate will cultivate microalgae under climate-simulated conditions in bench-scale photobioreactors and pilot-scale, state-of-the-art, indoor, LED-lighted and temperature-controlled 800 liter raceway ponds for the production of biofuels (see also http://readthis.pnl.gov/marketsource/readthis/readthis.nsf/By+Number/B3322?opendocument).

The photobioreactors and ponds will be operated via computer control (LabView) to simulate the daily fluctuations of sunlight and water temperature that is observed in outdoor ponds. The project will involve the preparation of sterile growth media, the inoculation of bioreactors and ponds with appropriate microalgae species/strains, and the monitoring of biomass growth via spectrometric and gravimetric methods. Throughout the experiment, the light intensity, pH, nutrient concentration, and temperature of the cultures will be monitored. Additional experiments may be carried out to quantify the specific growth rate of selected strains as a function of temperature and light intensity, and to determine the loss biomass during the dark period. The photosynthetic oxygen evolution rate may also be measured as a function of light intensity for selected strains and temperature conditions. Part of the project may also involve an off-site pond culturing study conducted in Arizona, which requires the ability to independently troubleshoot and repair equipment if necessary. All data will be analyzed and plotted using Microsoft Excel, and the various experimental studies will be published in peer-reviewed journals.

The position is located at PNNL’s Marine Sciences Laboratory (Dr. Michael Huesemann’s microalgae biofuels laboratory) in Sequim, WA. The planned start date is flexible, ranging from October 2015 to January 2016.

The applicants’ resume should include the GPA, a list of laboratory courses, and a brief (<150 words) essay explaining their interest in this position.

*To apply for the Post-Bach Research Associate position: *
https://erecruit.pnnl.gov/psp/hrext/PNL_EXTERNAL_APPLICANT/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&JobOpeningId=304360#0

*To apply for the Post-Masters Research Associate position: *
https://erecruit.pnnl.gov/psp/hrext/PNL_EXTERNAL_APPLICANT/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&JobOpeningId=304361#0

*Application Deadline*
The application deadline is July 1, 2015.

*Minimum Requirements*
Candidates must have received either a Bachelor’s degree (minimum GPA 2.5) or Master’s degree (minimum GPA 3.0) within the past 2 years from an accredited college or university. All staff at the Pacific Northwest National Laboratory must be able to demonstrate the legal right to work in the United States.

*Qualifications*
- Must have basic knowledge of biochemistry and microbiology.
- Must have basic wet chemistry laboratory skills.
- Must be comfortable operating various laboratory equipment and troubleshooting newly setup test procedures and equipment.
- Must have experience with culturing micro-organisms using sterile techniques.
- Must have working knowledge of Microsoft Excel to analyze and plot all data.
- Must write technical reports summarizing all experimental data.
- Knowledge of LabView control software desirable.
- GPA of 3.5 or higher is preferred.

*Equal Employment Opportunity*
Dynamic Fitness Solutions - Fitness Awareness Scholarship

$1000 scholarship. Create an original infographic showing how technology enhances learning. Make sure your infographic is original and factual (and cite your sources). Most importantly make your infographic engaging and as fun as possible.

Scholarship deadline: June 17, 2015

Dry Defender Protect Your Bed Scholarship

Dry Defender's mission is to protect America's mattresses from spills, accidents, dust mites, bed bugs, mildew and mold, and other allergens. But like all good superheroes, Dry Defender needs an arch-nemesis. That's where you come in.

If you wish to apply for the 2015 Dry Defender $1,000 Protect Your Bed Scholarship, your mission is to—
1. Come up with an arch-nemesis for Dry Defender.
2. Make some type of creative piece (comic, short film, drawing, etc.) of Dry Defender and his nemesis facing off.

Scholarship deadline: June 30, 2015

The Graduate Programs Pre-Grad Scholarship

Enter to win a $1,000 Pre-Grad Scholarship toward your tuition, grad school search or other school expenses, from the Graduate Programs Foundation. You are eligible if you are a current undergraduate in an accredited institution or a recent college graduate who is thinking of applying to Grad school. All you have to do is enter your basic information and include a “Statement of Purpose”.

Scholarship due: June 30, 2015

Make sure to keep an eye out for scholarships this summer! Check: http://financialaid.calpoly.edu/_finaid/types_aid/scholarships-bulletinboard.htm
AFA leadership conference in Kansas City in November 2015. Please apply online before September 11, 2015.

For more information, please visit: http://www.agfuture.org/s/1342/index.aspx?sid=1342&gid=1&pgid=488
**The MEP Tutoring Lab opens from the second week of the quarter through dead week from 11:00am-8:00pm Monday - Thursday, and open for quiet study on Friday.**

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**Multicultural Engineering Program Tutoring Lab: Spring 2015**

<table>
<thead>
<tr>
<th>Tutor</th>
<th>Classes</th>
<th>MON</th>
<th>TUE</th>
<th>WED</th>
<th>THU</th>
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<tbody>
<tr>
<td>Alexis Cervantes</td>
<td>MATH- 141-241, 244 PHYS- 141-133 CHEM- 124, 125 ME- 211, 212, 302 CE- 204, 207, 251, 336, 351, 355, 356, 381, 407, 481</td>
<td>3:15-5:00</td>
<td>2:15-4:00</td>
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<td>Gopi Ghosh</td>
<td>BRAE- 239 CE- 204, 207, 259, 321, 322, 336, 337, 351, 335, 381, 382, 454, 481 CHEM- 124, 125 ENVE- 331 MATE- 215 MATH- 141, 142, 143, 241, 244 ME- 211, 212 PHYS- 141, 133</td>
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<td>Bryan Hofferd</td>
<td>CE- 204, 207 CHEM- 124, 125 PHYS- 131-133 MATH- 141-241, 244, 344 ME- 211, 212, 251, 302, 303, 326, 341 PHYS- 141-133</td>
<td>12:15-2:00</td>
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<td>Michael Lashore</td>
<td>CE- 204, 207 CHEM- 124, 125 MATH- 141-241, 244, 344 ME- 211, 212, 251, 302, 326, 341 PHYS- 141-133</td>
<td>5:15-7:00</td>
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<td>Htet Htet Oo</td>
<td>CE- 204, 207 MATH- 141, 142, 143, 241, 244, 344 ME- 128/129/130/163, 228/229, 211, 212, 234, 236, 251, 302, 303, 305, 318, 326, 328, 329, 341, 343, 347, 405, 428 PHYS- 141, 132, 133</td>
<td>1:15-3:00</td>
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<td>5:15-8:00</td>
<td>3:15-8:00</td>
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<td>Chahan Shah</td>
<td>CE- 204, 207 CHEM- 124 MATH- 141-241, 244, 344 ME- 128/129/130/163, 228/229, 211, 212, 236, 302, 303, 326, 328, 329, 341, 347, 318, 422, 506 PHYS- 141, 132</td>
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<td>6:15-8:00</td>
<td>11:15-2:00</td>
<td>6:15-8:00</td>
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<td>Jackie Svoboda</td>
<td>AERO- 215, 300, 301, 302, 351 CE- 204, 207 CHEM- 124 MATH- 141-241 ME- 211, 212 PHYS- 141, 132, 133</td>
<td>4:15-8:00</td>
<td>2:15-4:00</td>
<td>3:15-5:00</td>
<td>2:15-4:00</td>
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</tbody>
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Learn more about the MEP Tutoring Lab: mep.calpoly.edu/tutoring
Senior Projects

Seniors, don’t forget that Senior Project final reports are due by this Friday, signed by you and your advisor, at 4pm! This is critical for completion of our ABET accreditation process! Please send in electronic form to amaccarl@calpoly.edu. Include a copy of your 460 senior project contract. Thanks!

Spring Commencement

You are invited to the most anticipated event of the year: Spring Commencement, on June 13 and 14 in Spanos Stadium. Mustangs Forever celebrates the spirit and pride of being a Mustang now and forever!

Saturday, June 13, 2015 -- 9:00 a.m.
College of Architecture and Environmental Design
College of Engineering

Saturday, June 13, 2015 -- 5:00 p.m.
College of Agriculture, Food and Environmental Sciences
BRAE 2:00-4:00 pm- Rec Center, Main Gym
College of Science and Mathematics

Sunday, June 14, 2015 -- 9:00 a.m.
College of Liberal Arts

Senior Exit Interviews

Department Head Art MacCarley invites any graduating senior to attend a senior exit interview. This is not required but encouraged. Please email Tina at tepeders@calpoly.edu or come into the office to set up a time. They will be 30 minutes long.