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Calendar

MAR 18-22 – **Finals Week**

MAR 30, Sat - [Chintimini Kennel Club AKC Dog Show](#). This family-friendly event showcases over 150 breeds of dogs in various events. Mixed breeds also participate in obedience and rally. Linn County Fair and Expo Center, Albany (*free*).

In the News

[Proposed pedestrian bridge over Ecola Creek goes nowhere](#) (*Daily Astorian*)

An earlier study conducted by [Professor Harry Yeh](#) on how many people in Cannon Beach would survive a tsunami estimated that 579 people would choose to cross the current bridge to the north side. State geologists, however, have predicted the existing bridge would collapse in an earthquake.

[Mobile LIDAR technology expanding rapidly](#) (*Innovations Report*)

A lot of people and professionals still don't even know what mobile LIDAR is or what it can do," said [Michael Olsen](#), lead author of the new report. "And the technology is changing so fast it's hard for anyone, even the experts, to keep up. (See [also Space Daily](#))

[OSU Driving and Bicycling Simulator provides cutting-edge means to improve safety](#) (*Streetwise*)

When OSU broke ground on its Driving and Bicycling Simulator Facilities just over two years ago, [David Hurwitz](#) saw his passion for protecting motorists, pedestrians, and cyclists take a giant step forward.

AGC Oregon-Columbia Chapter welcomes **Lauren Farnen** as CCE's new Outreach Coordinator. [More...](#)

Congratulations to our (new and returning) [CCE Ambassadors](#); Sara Quitiqua, Eric Sieg, Eric Germundson and Lauren Wade.

Seminars

MAR 18, Mon - **Transpo** Faculty Candidate Presentation, 11am, 311 Kearney Library. All are invited to attend.

MAR 18, Mon – “*Behavior of Open Grid steel Bridge Decks Under Service and Fatigue Loads*,” presented by Mr Peter Fetzer in defense of the Masters of Science degree. 312 Kearney Hall, 12pm. [Read abstract here](#).

MAR 19, Tues – “[Waves and Currents: Hawking Radiation in the Hydraulics Laboratory](#),” presented by Gregory Lawrence, University of British Columbia. MU Journey Room, 4pm seminar; 5pm social.

MAR 21, Thurs - **Structures** Faculty Candidate Presentation, 11am, 311 Kearney Library. All are invited to attend.

Opportunities

Found: keys on lanyard with Mickey Mouse and Tasmanian Devil characters, found outside east entrance. See Cindy in 101 Kearney.

FE Exam Review Books for Sale - Do you plan to study over spring break for the April 13 FE Exam? General and CE discipline specific review books are for sale at deep discounts in Dr. Scott's office (346 Owen). The general books are \$70 (retail \$90) while the CE discipline books are \$60 (retail \$68). Stop by Owen 346 any day this week 9am-12pm and 1pm-4pm to purchase one or both. Cash, checks, and PayPal accepted.

MAR 20, Wed - **What Happens After My Federal Job Application is Submitted?**, 10-11am, 202 Kidder Hall. The federal application process does not end when you press submit on USAJOBS.gov. During this webinar, we will discuss what students and jobseekers can expect in the next stages of the application process. From essays to interviews to security clearances, Partnership staff and agency experts will discuss how to stand out after your resume has been submitted. (NOTE: This webinar is also being recorded and you can find the recording a few days after March 20 by going to Beaver JobNet and click "WEBINAR - What Happens After My Federal Job Application is Submitted" which is located on your Beaver JobNet homepage on the right side under SEMINARS.)

2013 ASCE Pacific NW Student Conference - April 25–27. This year in addition to Technical Paper, Steel Bridge, and Concrete Canoe Competitions, the planning committee is putting together competitions on;

1. Geotechnical Engineering,
2. Transportation
3. Environmental Engineering, and
4. Engineering Knowledge.

If you are interested in participating in any of the above competitions please read its description below and go to register in Cindy's office. It is going to be first come first served bases. In addition to signing in for the competition, you are required to sign the *Acknowledgement of Risk and Waiver of Liability* form, read and agree with the *Attendee Behavior Agreement*" AND you are expected to attend the Student-Professional Roundtable discussion and the Banquet. Contact [Kristina Milaj](#) if you have questions. Let's all do our best to make our university and ourselves proud in each competition!

Prof Jason Ideker's CCE 422/522 **Green Building Materials** term project poster presentations drew a large crowd in Kearney Atrium last week. [See photos here.](#)

Student Groups

The Contractor's Night (April 12th) Student Sign-Up sheet is now available in Kearney 101. This year there is a **mandatory** meeting for all students attending Contractor's Night, on Tuesday, April 2nd at 4:30 PM in Kearney 112. See Lauren Farnen in Kearney 101F if you will be unable to attend this meeting...one alternative date will be set.

Spring Classes

[CE570 – Environmental Geotechnics](#)

[CE505 - Construction Site Operations and Systems Engineering](#)

Prof Kate Hunter-Zaworski invites CEM students to sign up her [CE 590 Railroad Engineering](#) this spring term.

Jobs

Engineer/Estimator - [LRL Construction Co., Inc.](#) This person must be able to prepare cost estimates by analyzing proposals and researching job requirements. They will also be able to identify as well as prepare and compute labor, material and time requirements by studying proposals, change orders, and submittals. They will need to resolve discrepancies by collecting and analyzing information, as well as being able to present prepared estimates by assembling and displaying numerical descriptive information. This person has the skills to analyze information, estimating, planning, reporting research results, strategic planning, and is detailed oriented. Prospect must be willing and able to travel whenever needed. Prospect is encouraged to look at our website and get familiarized with our line of work. If interested please send resumes to Irl@oregoncoast.com. Pay is determined upon hire, 401K and health benefits are offered through employer.

Construction Project Manager - provides leadership, direction and oversight during all phases of construction, around a fully operational jobsite as well as from our main offices in Springfield, OR. This is a multifaceted position with wide ranging responsibilities. The Project Manager is involved in all phases of the construction process: preconstruction, construction and post construction maintenance. The Project Manager coordinates the construction efforts, predicts and resolves conflicts before they impact the project, delivers timely and cost effective solutions and ensures that expectations are met by delivering all projects on time, within budget and in a safe manner. This position requires travel throughout the pacific northwest. [More...](#)

ODOT is looking to hire a **material receiver** for 6 months starting in April. This job would be in the Portland area working in construction. The work is primarily night work in the field. A material receiver is responsible for tracking asphalt delivered to the project site, correlating the tickets, and calculating yield. This may not sound like the most glamorous job, but it is a great introduction into construction and we have some interesting projects this summer. Please send inquiries, resumes, or questions to [Melissa Norman](#), Project Coordinator or the Project Manager, [Wayne Statler](#).

Parrish Excavating, Inc. seeking an **Intern for civil work** (mass excavating, grading, & hardscape finishes), structural excavation (footings, walls, grade beams, matt slabs) & underground utility (Storm, Sewer, Water, & Underground Electrical) work estimating projects. All inquiries please submit resumes to [Juli Parrish](#) at & [Mark Parrish](#)

1. Attend Pre-bid meetings (includes taking notes about the project).
2. Perform take-offs on civil site work, structural excavation (Footings, Walls, Grade Beams, etc.), & underground utility work projects.
3. Call on multiple vendors/subcontractors for bidding job quotes, organize and separate quotes for project bidding by items (Imported Aggregates, Dump Fees, Precast, Pipe Quotes, & Subcontractors by trade, etc.)
4. Research bid documents, specifications, & geotechnical reports for projects bidding, highlight key areas that will need to be addressed for bidding.
5. As Addendums are released, research Addendums for any changes to the bid
6. Work side by side with current estimator and project manager who will be teaching and providing intern with 100% support for learning processes of bidding.
7. Current Estimator will support intern to develop estimating software skills specifically in HCSS Estimating software.

The **City of Vancouver, WA** (COV) is looking for Civil or Construction Engineering students interested in **summer** work. Students must be able to prove eligibility to work in the US. The work is performing quality control tasks on COV-funded paving projects. Examples include laying out areas to be paved, cataloging items (manholes, valve cans) to be uncovered after paving, and documenting the location of each truckload of asphalt. Late June 2013 - early September 2013, 40 hours per week, possibly with longer hours (overtime). Most of the work will be outdoors, usually near asphalt paving operations. The work includes standing for long periods while keeping notes and gathering documentation in an outdoor construction environment. The ability to lift and carry 40 lbs is required. A valid US driver's license and auto insurance are required. Auto insurance is required only to demonstrate insurability. COV will provide vehicles for work purposes. Pay is \$16.00 / hour. To apply, please email a cover letter and resume to charles.fell@cityofvancouver.us by March 26, 2013.

Stellar J is looking for builders who are working towards an undergraduate degree in Construction Management, Civil Engineering, or Mechanical Engineering and completing their sophomore or junior year to serve as full-time paid interns for the summer of 2013. If the summer is a success and circumstances allow, interns will have an opportunity to continue working as they complete their degree and may be eligible for tuition reimbursement. [More...](#)

Purchasing Agent – Pulte Group in Kirkland, WA is responsible for entering into negotiations with suppliers by reviewing terms and conditions, contract formulation, and any supplier management conditions affecting the Pacific Northwest division. [More...](#)

Engineering Intern - Tualatin Valley Water District, \$16.50 per hour. Closing date is April 8, 2013 by 8:00 am. Assist in various design related activities including computer drafting; Field verification of information related to design and water system operations; Field testing and data entry; Assist with GIS data entry and data analysis; Assist with GPS field data collection; Assist in the field with fire hydrant flow testing and recording of data; Assist in project record keeping and archiving of records. [More...](#)

Civil Engineer - The Port of Morrow is seeking candidates for a position in Engineering. The Port is located on the Columbia River, with offices in Boardman, Oregon. *Essential Qualifications:* BS in civil engineering, or related field; A valid driver's license and personal vehicle; Strong communication, organizational and technical writing skills; Proficient Computer skills with standard office software for spreadsheets, documents, and databases

Preferred Qualifications:

- Minimum 1 year of relevant experience with an emphasis in civil engineering design
- Understanding of project design activities including preparation of multi-discipline design packages
- Able to work effectively in team situations
- Understanding of CADD (AutoCAD)
- Understanding in preparing plans and specifications for public bids
- Understanding of hydrologic, hydraulic, storm water management, roadway and other infrastructure design
- GIS and surveying experience preferred.

This position will work under the direct supervision of registered civil engineer on a variety of assignments involving engineering tasks for infrastructure design of water, sanitary sewer, storm drain, and storm water management systems, site grading, roadway and site paving, and sediment and erosion control. Other work will involve the preparation of drawings and specifications for civil works projects. Requires both field and office work. Salary DOE and benefits included; if interested send cover letter and resume to: Port of Morrow, PO Box 200, Boardman, OR 97818 or by email to carmenv@portofmorrow.com

Apollo Mechanical is interested in hiring for a PE type position(s). We are interested in hiring from the recent graduates graduating Winter Term 2013 or sooner. We will most likely have an additional round at the end of Spring Term as well. Forward resume, cover letter stating why you are a good fit for a mechanical contractor, and a scanned copy of a signed recommendation letter from a recent CEM professor/instructor to [Daniel Webster](#) by EOD March 22, 2013. Qualified applicants will need to be willing to relocate to the greater Portland area and/or be willing to commute if relocation is undesirable.

Summer Jobs & Internships - Go To: <http://www.thebeavers.org> click on "Jobs & Internships." Apply directly to companies and include attached resume.

Shawn Cleave in the **House Republican Office** is seeking **interns** for the spring quarter, if not sooner. Students can reach out to Shawn directly for more info shawn.cleave@state.or.us. Or contact [Heather Bené](#), OSU Government Relations Associate.

CCE 422/522 Green Building Materials

CCE 422/522 students in Prof Ideker's class performed an audit of Kearney Hall to determine how the materials used in the building contributed to or detracted from it being a "green" or "sustainable" building.



"You can expect to see some data related to embodied energy, carbon footprinting and hopefully some proposed innovative solutions for improving the building's sustainability impacts."



Go Beavs!

Forward newsletter submissions to nancy.brickman@oregonstate.edu by **Friday** each week. Prior newsletters archived at <http://cce.oregonstate.edu/node/223>