



The Oregon Examiner.

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Mission

The mission of the Oregon State Board of Examiners for Engineering & Land Surveying (OSBEELS) is to regulate the practice of engineering, land surveying, photogrammetric mapping, and water right certification in the state as they relate to the welfare of the public in safeguarding life, health and property.

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On the cover: Crater Lake

Crater Lake is the deepest lake in the United States, the second-deepest in North America (after Great Slave Lake in Canada), and the ninth-deepest lake in the world. The lake partly fills a 2,148-foot-deep (655 m) caldera that was formed around 7,700 years ago by the collapse of the volcano Mount Mazama.

A Native American connection with this area has been traced back to before the eruption of Mount Mazama. Archaeologists have found sandals and other artifacts buried under layers of ash, dust, and pumice that antedate the eruption roughly 7,700 years ago. Crater Lake remains significant to the Klamath tribes today. The Klamath name for the lake is *Giiwas*.

Upcoming at OSBEELS:

December 31: Renewal deadline for last names beginning with A-F

January 9: Board Meeting

February 8 & 9: Committee Meetings

March 12: Board Meeting

[Download the full 2024 OSBEELS Calendar here.](#)

Register for your MyOSBEELS account today at
<https://online.myosbeels.org>



The Oregon Examiner is published by the Oregon State Board for Engineering & Land Surveying (OSBEELS). To stay up-to-date with all things OSBEELS, find us online at www.oregon.gov/osbeels



Director's Corner

From the desk of Jason Barbee, Board Administrator & Agency Director

Over the last few months, I've attended both the NCEES Annual Meeting and the Oregon Association of County of Engineers and Surveyors (OACES) Fall Conference. These types of gatherings are a great way to keep up to date on events and ongoing in the professions that OSBEELS licenses and regulates. However, I believe the greatest value of these in-person events is the opportunity to network and to build and grow relationships.

At the NCEES Annual Meeting, OSBEELS Board Member, Renee Clough, gave a presentation related to the process we went through in making changes to our land surveying qualifications rule, which was well received. We really do have a great Board that not only values input from our stakeholders but likes to provide input to other state boards that may be interested.

At the OACES Fall Conference, OSBEELS Board Member, Darryl Anderson, and I

gave a presentation related to our Law Enforcement and Professional Practices Committees that lasted for almost two hours. The OACES folks expressed their gratitude for OSBEELS having a presence at their conference, and we were equally grateful for being invited to attend and for how welcoming and engaging everyone was toward us.

Interested in making a difference? **OSBEELS currently has a vacancy on the Board and needs *your* expertise.**

The OSBEELS is excited to announce that we are currently seeking applicants to fill a vacant public member position as well as a potential upcoming licensee member position vacancy in the next year.

Public members play an important role on the Board, as they offer a unique and important perspective as non-

professional members. Our Board encourages individuals who have had exposure to or are passionate about the engineering or land surveying industries to consider applying!

As a Board member, you will have the opportunity to work alongside public and professional members, and agency staff, to license individuals, address questions

from the professional community, and uphold the Board's mission to protect the health, safety, and welfare of the public. The Board welcomes individuals from all areas of the state who meet the minimum experience requirements and desired professional designation to apply today!

Interested in learning more about the application process and prerequisites? [Visit the state boards and commissions' website.](#)

If you are interested in applying or learning more about becoming an OSBEELS board member, please contact Board Administrator, Jason Barbee, at Jason.Barbee@osbeels.oregon.gov.



The OSBEELS Board visits George Fox University



Meet OSBEELS

Leah, Accounts Specialist

How long have you worked for OSBEELS?

Since June of 2022.

What do you enjoy about your job?

The people that I work with and the opportunity to learn new skills.

What is your favorite place in Oregon?

Black Butte because I enjoy the hiking around the area and how quiet it is.

What are some of your hobbies?

Hiking, walking, snow shoeing, riding horses, and cooking.

From the viewpoint of your role, can you share some reminders or tips for our registrants?

Every six months, we have 4000 registrants up for renewal. As the sole person to oversee the renewal process, I have some tips to help:

Through your MyOSBEELS portal, you can access:

- Once your renewal is approved, your wallet card and letter can be accessed directly through your MyOSBEELS portal.
- Receipts for reimbursement
- Status of your license

Don't wait til the last minute to renew your license.

On the form, place to drag and drop documents, have to select "click to generate".

Make sure you have your minimum required PDHs completed by your renewal date. If you're unsure of your PDH requirement, refer to OAR 820-010-0065.





Help us help you!!

Speaking Engagements:

Do you have a meeting or event in Oregon involving engineers, land surveyors, water rights examiners, or photogrammetrists? We are available to give presentations on who we are and what we do, including how the licensure process works. We're also happy to setup a booth and be available during your event to answer any OSBEELS related questions.

Continuing Education Opportunities:

How are you earning your PDHs toward your biennial renewal? Send us opportunities that we can share on our webpage and in our Examiner newsletter of learning opportunities for our professionals. We want to help everyone keep up on those continuing education requirements.

Photos of Your Work:

We invite you to share your work experiences with the OSBEELS community! We're looking for photos of noteworthy projects, monuments, or work site locations that you think others will appreciate. They may be featured in future issues of the Examiner as well as our social media pages.

Send your event info, learning opportunities, and work photos (.jpg or .png format preferred) to our Communications Coordinator, Ashlee Graybeal at ashlee.d.graybeal@osbeels.oregon.gov

Continuing Education Opportunities

2024 PLSO Conference

January 17-19, 2024

Salem Convention Center - Salem, OR

Join the Professional Land Surveyors of Oregon for their annual three-day conference. This in-person event brings trainings from national and local experts so you can earn your PDH credits and have opportunities to network with your peers.

Register - <https://www.plso.org/conference>

Oregon Survey Law Workshop #1

February 22-23, 2024

Oregon State University - Corvallis, OR

Unlock the legal intricacies of land surveying in Oregon with our comprehensive workshop designed to equip land surveyors with the essential knowledge of statutes and common law decisions. Perfect for those gearing up for the Oregon Specific Land Surveying Examination, this workshop delves into the legal aspects of the surveying profession.

Register - <https://blogs.oregonstate.edu/orslw/>

2024 PEO Conference

May 1-3, 2024

OSU/CH2M Hill Alumni Center - Corvallis, OR

The Professional Engineers of Oregon Annual Conference provides a medium for members to learn more of their professional and civic responsibilities, review mutual problems, conduct appropriate society business of state-wide significance, and enjoy the fellowship of their fellow engineers.

Register - <https://oregonengineers.org/annual-conference>



2023 OSBEELS SYMPOSIUM IS IN THE BOOKS!

On September 28 and 29, 2023, we held our 14th annual OSBEELS Symposium. This virtual event hosted attendees from all over the world who are registered here in Oregon.

TOTAL ATTENDEES: 998

US STATES: 34

COUNTRIES: 9

The work done by licensed professionals in Oregon reaches across the globe and we are proud to showcase some of that innovation in the fields of infrastructure, energy, mapping, disaster resiliency, building systems, and structures.

We kicked off Day 1 with Affiliated Engineers who presented on the MEP systems for the University of Oregon's new Phil and Penny Knight Campus for Accelerating Scientific Impact, a biomedical research facility. The following showcase had the Oregon Department of Transportation's Engineering Automation team make us taxpayers proud with their presentation on Engineering Technology Advancement and Project Visualization Development.

The early afternoon of Day 1 covered the Pacific Northwest's Cascadia Subduction Zone earthquake and tsunami. Yumei Wang, a Senior Advisor in Engineering at Portland State University, presented on anticipated impacts to lifeline systems from the earthquake and tsunami. Harry Yeh, professor emeritus in Engineering at Oregon State University, presented on structural designs to mitigate damage from the tsunami. We all left with a heightened awareness of the necessary work ahead to build resiliency throughout this region.

We took a moment to host graduate students from Oregon State University's Geomatics program as they shared about their current projects underway in research areas including remote sensing, Lidar and 3D laser scanning, Geographic Information Systems, and Geospatial Data Fusion. Oregon is home to ABET accredited programs at five institutions and we look forward to showcasing more of the research being done to advance the fields of engineering and surveying at other schools in the future.

To finish off Day 1, we heard from public agencies working to keep Oregonians safe through infrastructure

improvements. The Tualatin Valley Water District presented on the Willamette Water Supply Program, including the new water infrastructure system covering 30+ miles that is currently under construction. The Washington Department of Transportation shared details and progress of the I-5 Bridge Replacement Project taking place at the Oregon-Washington border spanning the Columbia River.

We opened Day 2 with NuScale Power presenting on their company's mission to bring small modular reactor (SMR) technology to the global energy market after making history as the first SMR to receive Nuclear Regulatory Commission (NRC) design approval. We transitioned from there to mapping with a fascinating presentation from GeoTerra Inc. who provided an overview of engineering grade aerial mapping using Lidar and photogrammetry.

As we focused on traditional survey going into the afternoon of Day 2, we heard from Pat Gaylord as he summarized the results of the 2022 Surveying Task Force led by ACEC and PLSO, which focused on the state of the surveying profession. We also received a lesson from Dane Courville on the history, rules, reasoning, and process of the Public Land Survey System (PLSS).

To wrap up our event, Froelich Engineers presented on the engineering design and development of affordable housing projects, focusing on historic adaptive reuse and the challenges faced when working on the state's oldest buildings. For the closing session, OSBEELS provided an agency update and held a Q&A period.

Following the Symposium, we sent out a survey to attendees and we appreciate everyone who took the time to respond! An encouraging 98% of respondents reported having a positive experience and we received helpful feedback to make next year another successful learning opportunity for our registrants.

Save the date now and join us on September 26 & 27, 2024 for our 15th Annual OSBEELS Symposium! And thank you again to our speakers who shared about the incredible work they're doing:

Bret Hazell, RPP – GeoTerra Inc.

Brad Hille, RPP, CPT – GeoTerra Inc.

Caleb Ogbeta – Oregon State University

Chris Harris, PE – Oregon Department of Transportation

Dae Kun Kang – Oregon State University

Dane Courville, PLS – Colorado Department of Transportation

David Abiola – Oregon State University

Harry Yeh – Oregon State University

Jakki Carter, PE – Oregon Department of Transportation

J.J. Arthur, PE – NuScale Power

Joelle Bennett, PE – Tualatin Valley Water District

Mike Britch, PE – Tualatin Valley Water District

Mike Nichols, PLS – Oregon Department of Transportation

Molly Jackson, GISP – GeoTerra Inc.

Pat Gaylord, PLS, CFedS – David Evans and Associates

Shane Day, PE – Affiliated Engineers, Inc.

Shelby Griggs, PLS – GeoTerra Inc.

Shilpa Mallem, PE – Washington Department of Transportation

Tim Terich, SE – Froelich Engineers

Yumei Wang, PE – Portland State University



Oregon Institute of Technology Awarded the 2023 NCEES Surveying Education Award

NCEES awarded the Oregon Institute of Technology Geomatics program the \$25,000 grand prize. The award jury praised the program for its student recruitment and path to licensure. Jurors considered criteria such as student outcomes and involvement, outreach and recruitment, and the promotion of licensure.

NCEES Surveying Education Award jury chair Tim Platz, P.S., stated "As the jury reviewed the submissions for this year's

award, it was evident that the Oregon Institute of Technology's Geomatics program is a well-established program that focuses on preparing graduates for professional licensure. Their surveying courses are varied and impressive, with partnerships extending beyond traditional articulation agreements to programs such as the statewide surveying task force, Girls got STEM, Trig-Star, and high school summer camps."

Congratulations Oregon Institute of Technology!!

Law Enforcement Cases

The following list contains law enforcement cases that resulted in disciplinary actions and became finalized.

2022-21 Timothy Wolden 16568PE (revoked)

The Board found Wolden completed engineering calculations on a project in Oregon without a license, violating ORS 672.020(1). The Board issued a civil penalty of \$1000.

2023-5 Kaveh Dolatabady 80372PE

The Board found that because Dolatabady certified a Mechanical Compliance Certificate for a project in Oregon without holding a valid professional engineer's license, he violated both ORS 672.020(1) and ORS 672.045(1). Additionally, because Dolatabady did not hold a valid professional engineer's license in Oregon at the time he applied his signature and expired professional engineer seal to the Mechanical Compliance Certificate, he falsely represented that he was authorized to practice engineering and thus violated ORS 672.045(2). The Board assessed a civil penalty in the amount of \$1,000.

As a friendly reminder, OAR 820-020-0045(4) requires registrants to give written notification to the Board with 45-days of receiving any disciplinary action by another licensing agency related to your professional practice.

The Board would like to remind professional registrants of the requirements for providing notice of right-of-entry. Per ORS 672.047(4), a registered professional land surveyor, or any employee or agent of the land surveyor, may not enter upon land for the purpose of surveying, performing other survey work or establishing a permanent survey monument without first providing notice to the landowner, or current occupant, by first class mail or by personal notice. A notice that is provided in-person must be hand-delivered to the landowner or occupant or be posted in a conspicuous place where the landowner or occupant may reasonably be expected to see the notice. Regardless of whether the notice is delivered via mail or in-person, it must provide all the following information:

- The professional land surveyor's name, address, and telephone number,***
- Purpose for entering onto the individual's property,***
- Details regarding the availability of the survey, and***
- The presence of any temporary or permanent monuments or other markers to be left on the land.***

SHARE YOUR WORK

The work of our licensees can be exciting and unique, and we invite you to share your experiences with our OSBEELS community! We're looking for photos of noteworthy projects, monuments, or work site locations. As examples, we have a work site photo from our own Board Member, Paul Gribbon, and a survey control point from Communications Coordinator, Ashlee Graybeal. Send your photos in either .jpg or .png format to ashlee.d.graybeal@osbeels.oregon.gov and they may be featured in the next Oregon Examiner!



Right: *We were training a new Remote Pilot at Santiam Junction and were asked by maintenance to measure a stockpile. Turns out the runway adjacent to the yard was being used as the helicopter base for fire operations on the lookout fire. We successfully coordinated efforts to make sure everyone was flying safely.*

Submitted by Chris Harris, PE

Next Page: **Bearing tree scribing from 1914, on the west side of Goose Lake, OR**

Submitted by Darryl Anderson, PE, PLS



SHARE YOUR WORK

Below: **Final stage pipe pullback/installation of horizontal directional drilled pipeline crossing beneath the Willamette River near Meldrum Bar Park (Gladstone, OR) and Mary S. Young Park (West Linn, OR). Lake Oswego-Tigard Water Partnership Program.**

Submitted by Brad Moore, PE





Left: A surveyor setting construction control on a new story of the building under construction in the upper right of the picture. Boston, MA for NCEES Annual Meeting.

Submitted by Renee Clough, PE, PLS

Right: A different approach to bike lanes. Boston, MA for NCEES Annual Meeting.

Submitted by Renee Clough, PE, PLS

