

Laboratory Tours at Oregon State University ASTFE Conference 2024

Dear Colleagues,

I am thrilled to welcome you to campus on behalf of the College of Engineering and Oregon State University. Oregon State University and the College of Engineering are thriving. The College of Engineering is one of the top 10 largest engineering colleges in the country in student enrollment. We have over 16 programs that we offer to students from around the world. We are fortunate to have several unique and internationally recognized research facilities. I welcome you to visit several of these facilities during your time at the conference.

Go Beavs!

David Blunck (conference host)
Associate Dean of Undergraduate Programs - College of Engineering

Logistics: Please meet 5 minutes before your tour near the conference registration desk. You will be greeted and a guide will escort you to the facility. You will need to walk 5 to 20 minutes to reach the laboratories. Please contact the hosts if you need transportation accommodations. Carefully read the requirements for the specific laboratory tours to ensure that you satisfy all requirements.

Monday April 22

2 to 3 pm: Tour OSU Radiation Center

The Radiation Center houses a nuclear reactor and supports extensive research related to the nuclear industry. This tour is limited to 20 people and you are required to register in advance. All participants need to bring a government-issued photo ID (physical copy). Laboratory appropriate attire is required (i.e., long pants and fully enclosed shoes).

Registration Required: <https://forms.gle/XH46HMtMC5tb2Fsk6>

3 to 4 pm: Tour the Emmerson Advanced Wood Products Laboratory

This world-class timber engineering laboratory conducts research in advanced timber fabrication for structural applications and evaluates the performance of large timber buildings and structures. This laboratory is the headquarters for the Tall Wood Design Institute, which focuses on advancing timber construction. You can preview the tour here: <https://tallwoodinstitute.org/advanced-wood-products-laboratory/>. This tour is limited to 20 people.



Tuesday April 23

3 to 4 pm: Tour OSU Radiation Center (limited to US citizens)

The Radiation Center houses a nuclear reactor and supports extensive research related to the nuclear industry. This specific tour is limited to 20 people who are US citizens, you are required to register in advance. All participants need to bring a government-issued photo ID (physical copy). Laboratory appropriate attire is required (i.e., long pants and fully enclosed shoes).

Registration Required: <https://forms.gle/FLDxs5EVHu225YDt6>

4 to 5 pm: Tour Hinsdale Wave Research Laboratory

This is the largest nearshore research facility at an academic facility in the United States, and one of the largest such facilities in the world. A large wave flume and directional wave basin are included in this facility. Research here includes wave-structure interactions, marine energy, coastal hazards, and sediment transport. This tour is limited to 40 people. A preview of the laboratory is here:

<https://engineering.oregonstate.edu/wave-lab>.

Registration Required: <https://forms.gle/AFzMtzEBiNs6Cr5B6>

4:30 to 5:15 Micro Computer Tomography Laboratory

Dr. Dorthe Wildenschild, an invited speaker at the conference, will provide a tour of her laboratory. This laboratory includes advanced imaging capabilities that are used to study a range of applications including materials, flows, and transport phenomenon.

<https://microct.oregonstate.edu/>

5 to 6 Thermal Management, and Combustion, Ignition, and Radiation, and Energy Laboratories

Dr. Josh Gess, an invited speaker at the conference, will provide a tour of his laboratory as will Dr. David Blunck. Dr. Gess' laboratory focuses on experimental studies of thermal management systems and approaches. Dr. Blunck's laboratory evaluates combustion and wildfire for practical applications.

<https://www.facebook.com/EHTLab/>

<https://research.engr.oregonstate.edu/blunckgroup/book/blunckresearchgroup>