

# 2022–2023 Student Chapter Annual Report

Prepared By:

**Oregon State University**  
**Institute of Transportation Engineers**  
**Student Chapter**



March 4, 2023

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## President's Message

This year's Oregon State University (OSU) ITE student chapter leaders were fortunate witness the continued growth of our student chapter. Two major points of emphasis came into focus early on for our officer team, and by and large we are pleased with the progress we were able to make toward our goals. First and foremost, we decided to align our efforts in all areas as closely as we could with the stated missions of OSU ITE and ITE International, as well as the personal interests of our members. Secondly, we wanted to diversify the membership of OSU ITE by broadening our membership outside of the civil engineering graduate program. On top of that, we've sought to maintain and elevate the reputation of hard work and technical expertise set by past students. We're proud of the amazing work done by our student members, and hope that we can continue to represent ITE and its mission in Oregon and across the world. Go Beavs!

-James Umphress, OSU ITE President

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## Chapter Administration

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### Elected Officers

	<b>President</b>	James Umphress		
<b>Vice President</b>	Kezia Suwandhaputra		<b>Secretary</b>	Jane Weber
<b>Treasurer</b>	Chenqiang Liu		<b>Media Relations Chair</b>	Ben Fryback
<b>Professional Development</b>	Sukallyan Ghosh		<b>Community Service Chair</b>	Namu Timilsina

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### Regular Member Meetings (10 activities)

Meeting #	Date	Location	Topic	Joint?
1	03/08/22	Corvallis, OR	OSU ITE Officer Elections	No
2	04/12/22	Corvallis, OR	Spring Term Planning Meeting	No
3	04/25/22	Corvallis, OR	Spring Term General Meeting	No
4	10/12/22	Corvallis, OR	Fall Term General Meeting	No
5	12/01/22	Corvallis, OR	TRB Crash Course	No
6	12/12/22	Corvallis, OR	Winter Term Planning Meeting	No
7	01/17/23	Corvallis, OR	TRB Debrief	No
8	01/27/23	Corvallis, OR	ITE Student Seminar	No
9	02/01/23	Corvallis, OR	Winter Term General Meeting	No
10	02/08/23	Corvallis, OR	OSU ITE Officer Elections	No

**Featured Meeting: ITE Student Seminar (#8)** – One noteworthy meeting occurred during the winter term, where student volunteers presented on personal research, interesting transportation news, or other topics of interest in transportation to fellow students. The seminar received positive feedback, particularly from younger undergraduate students who expressed appreciation for being able to learn about the research of other students in a low-pressure environment.

### Networking Events

One of the primary goals of OSU ITE is to introduce students to transportation professionals as well as other students. In addition to events such as field trips and conferences, which will be discussed later, OSU ITE students were introduced to industry professionals by frequent speaker meetings and seminars. Through contacts from Oregon ITE and OSU transportation faculty, frequent virtual seminars were held to introduce students to professional engineers without requiring travel from students or professionals. The Bill Kloos and Western District traffic bowls were additional opportunities to interface with students from other universities. One additional highlight from this past year was the return of the OSU ITE alumni event, where current and past OSU ITE members gather for a picnic-style event. The alumni activity had previously been on hold due to COVID-19, but several alumni from across the state were able to attend.

Event	Date
Speaker Meeting- Andrew Sullivan, PBOT	04/21/22
Speaker Seminar- Jingtao Ma, Traffic Technology Services	04/29/22
Speaker Meeting- Interstate Bridge Replacement Program	05/04/22
Speaker Seminar- Shaun Quayle, INRIX	05/13/22
OSU ITE Alumni Event	09/24/22
Speaker Seminar- David Covey, Consor Engineering	10/07/22
PacTrans Conference	10/14/22
PacTrans Student Conference	10/15/22
Speaker Seminar- Justin Neil, Traffic Technology Services	10/21/22
Speaker Meeting- Kittelson & Associates	11/14/22
Speaker Meeting- Andrew Sullivan, PBOT	11/15/22
Bill Kloos Traffic Bowl	11/17/22
Speaker Seminar- Becky Knudsen, ODOT	11/18/22
ITS Workshop	12/15/22
TRB Annual Meeting	01/08/23-01/12/23
Speaker Seminar- Kayla Fleskes-Lane, DKS Associates	01/20/23
ORITE Winter Workshop	02/02/23
Western District Traffic Bowl	02/11/23 <sup>[HD1]</sup>

### ***Leadership Development***

OSU ITE provided current and future officers, as well as other student members, opportunities to maximize their leadership opportunities through ITE. The 2022-2023 officer team was trained by the outgoing officers on their respective duties and provided pointers to help them succeed. ITE members were also able to participate at the 2022 Western District Annual Meeting and 2023 Western District Student Leadership Summit, where focused discussions were held among students from multiple universities about ways ITE student chapters in our region can succeed. The TRB Annual Meeting also provided opportunities to attend presentations and committee meetings surrounding leadership principles in the transportation field.

<b>Event</b>	<b>Date</b>
Officer Transition Meeting	04/07/22
ITE Western District Annual Meeting	06/26/22-06/29/22
TRB Annual Meeting	01/08/23-01/12/23
Student Leadership Summit	02/24/23-02/26/23

### ***K-12 STEM Outreach***

OSU ITE held a half-day K-12 STEM outreach event focused on introducing youth in Corvallis to the transportation industry on April 23, 2022. The outreach event was broken into three sessions: traffic technology and operations, OSU transportation facility tours, and an adjusted traffic bowl competition. The technology and operations sessions involved demonstrations of technology such as drones, simulation software, and JAMAR boards. During the second session, students were taken on a tour of the Driving and Bicycling Simulators used for research at OSU. The traffic bowl competition in the third session reviewed topics covered in the first two sessions and included additional questions about practical, everyday transportation topics.

### ***Application of Technical Knowledge***

OSU ITE is proud of the technical expertise and versatility of its student members. OSU ITE student members presented at conferences such as the Oregon Section Winter Workshop, the ITE Western District Annual Meeting, and the TRB Annual Meeting. Additionally, OSU ITE students formed several highly competitive competition teams. OSU teams won the Western District traffic bowl and Kell Competition, the Oregon Section Bill Kloos traffic bowl, and the North America region for the Enhanced Safety of Vehicles (ESV) competition. The traffic bowl team competed at the ITE International Annual Meeting, and the TCD competition team advanced to compete at the TRB Annual Meeting. The ESV team will compete internationally in Japan later this Spring. One additional unique opportunity presented to OSU ITE was a chance to code and analyze a survey for PIARC, the World Road Association. A PIARC committee member who works for ODOT requested OSU ITE's help with a global survey of road network operators regarding their organizations' use of data analytics, and our analysis will be published as part of the final report.

<b>Event</b>	<b>Date</b>
PIARC Survey Analysis	04/19/22-12/21/22
ITE Western District Annual Meeting	06/26/22-06/29/22
ITE International Annual Meeting	07/31/22-08/03/22
PacTrans Student Conference	10/15/22
TRB Annual Meeting	01/08/23-01/12/23
ORITE Winter Workshop	02/02/23

### ***New Member Recruitment***

Reviewing the results of past recruitment efforts and the mission of ITE, our officer team decided to decrease the breadth of effort devoted to new member recruitment and make the remaining efforts more targeted. Participation in club fairs was reduced to fairs hosted by the College of Engineering, such as the Cookies and Clubs event in the Fall and Cocoa and Clubs, its Winter counterpart. ITE members also participated in recruitment efforts put on for prospective OSU students to connect them with OSU ITE. Outside of those events, ITE members focused recruitment

on proven high-yield efforts. Brief class visits were held at the start of each term to promote ITE, especially in transportation-related classes. Transportation competition teams, particularly the traffic bowl, proved effective in promoting active ITE participation among undergraduate students. OSU ITE general meetings each term were specific events which were conducted in a manner that enabled students to learn about the OSU ITE, its members, and its activities.

<b>Event</b>	<b>Date</b>
Prospective Graduate Student Visits	03/04/22
Orange and Black Day	03/26/22
Spring Term General Meeting	04/25/22
Cookies and Clubs	09/20/22
Fall Term General Meeting	10/12/22
Cocoa and Clubs	01/27/23
Winter Term General Meeting	02/01/23

### ***Diversity and Inclusion***

As mentioned previously, active participation in OSU ITE students had shifted largely toward graduate students during the pandemic, which created challenges due to a higher turnover rate in chapter membership as well as decreased familiarity with the large undergraduate student body. Recruitment efforts resulted in a more diverse membership body, as evidenced by the diverse composition of the incoming officer team. The range of activities held was also diversified to appeal to students' varying interests. In addition to the regular discussion groups and chapter socials, active socials such as hikes and bike tours began to be held as well. Activities were always open to all, but these specific activities encouraged participation without some of the intimidation that could come from more technical activities.

<b>Event</b>	<b>Date</b>
Spring Discussion Group	05/05/22
Spring Social	05/27/22
Fall Active Social	10/01/22
Fall Discussion Group	11/10/22
Fall Social	11/30/22
Winter Active Social	01/21/23
Winter Discussion Group	02/08/23

### ***Training and Professional Development***

As mentioned previously, OSU ITE students were presented with frequent opportunities to participate in speaker meetings and seminars with professional engineers, researchers, and ITE leaders. The wide range of presenters familiarized students with specific technical topics and projects, but students were also advised on developing soft skills, adapting to changes in the transportation field, and making the most of their time in school. In addition to the opportunities to practice engineering skills discussed elsewhere in this report, students were able to get hands-on experience with traffic data collection through a trip generation project with the Corvallis Dog Park. Students learned the proper procedures for taking turning movement counts using a JAMAR board and participating in collecting parking utilization data.

<b>Event</b>	<b>Date</b>
Speaker Meeting- Andrew Sullivan, PBOT	04/21/22
Speaker Meeting- Interstate Bridge Replacement Program	05/04/22
Speaker Seminar- Shaun Quayle, INRIX	05/13/22
Data Collection Project- Dog Park	05/12/22-05/15/22
Speaker Seminar- Rayeedul Siam	04/01/22
Speaker Meeting- Andrew Sullivan, PBOT	04/21/22
Speaker Seminar- Jingtao Ma, Traffic Technology Services	04/29/22

Speaker Meeting- Interstate Bridge Replacement Program	05/04/22
Speaker Seminar- Xiaopeng Li, University of South Florida	05/27/22
Speaker Seminar- David Covey, Consor Engineering	10/07/22
PacTrans Student Conference	10/15/22
Speaker Seminar- Justin Neil, Traffic Technology Services	10/21/22
Speaker Seminar- Jason Anderson, Portland State University	11/04/22
Speaker Meeting- Kittelson & Associates	11/14/22
Speaker Meeting- Andrew Sullivan, PBOT	11/15/22
Speaker Seminar- Becky Knudsen, ODOT	11/18/22
ITS Workshop	12/15/22
Speaker Seminar- Kayla Fleskes-Lane, DKS Associates	01/20/23
ORITE Winter Workshop	02/02/23
Speaker Seminar- Jason Hawkins, University of Nebraska	02/03/23
Speaker Seminar- Alyssa Ryan, University of Arizona	02/17/23 <sup>[HD2]</sup>
Speaker Meeting- Randy McCourt	02/21/23

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### **Field Trips**

OSU ITE students had the opportunity to participate in three field trips over the last year, each of which focused on different facets of transportation engineering. A field trip to Coral Sales showed students some of the safety technology being used across Oregon. The SR 509 field trip took students to SeaTac<sup>[HD3]</sup>, Washington, to see the construction and heavy civil side of major transportation projects. A joint field trip to the Portland Bureau of Transportation with students from Portland State University familiarized students with the workings of one of the largest transportation public agencies in the state.

<b>Location</b>	<b>Date</b>
Coral Sales Company	05/20/22
SR 509 Completion Project	10/21/22
Portland Bureau of Transportation (PBOT)	11/1/22

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### **Service Projects**

Thanks to the relationships fostered by previous officers, OSU ITE has many opportunities to volunteer and serve the communities of OSU and Corvallis. The Be Bright bike light giveaway has continued, with hundreds more lights distributed to students and community members. OSU ITE also continued its regular highway cleanup events on the highway outside of Corvallis. Through connections with University Transportation Services, students supported campus events including the annual poker ride and bike parking survey, both of which support the development of multimodal transportation facilities on campus. A unique opportunity this year was presented in the form of Open Streets Corvallis, a community celebration and promotion of sustainable and multimodal transportation. OSU ITE students were able to participate in collecting and analyzing bike counts from the event.

<b>Event</b>	<b>Date</b>
Be Bright Winter Bike Light Giveaway	03/02/22
Open Streets Corvallis	08/14/22
Transportation Services Welcome Week Poker Ride	10/03/22
Bike Parking Utilization Survey	10/18/22-10/19/22
Fall Adopt-a-Highway	11/05/22
Be Bright Fall Bike Light Giveaway	11/14/22
Winter Adopt-a-Highway	01/28/23

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**Appendix: Pictures from 2022-2023**



Be Bright Bike Light Giveaway



PBOT Office Tour



OSU ITE at TRB



OSU ITE Alumni Event



Randy McCourt Speaker Meeting



Recruiting at Cookies and Clubs



OSU ITE Student Seminar



OSU ITE at Student Leadership Summit