



OREGON STATE UNIVERSITY  
 INSTITUTE OF  
 TRANSPORTATION  
 ENGINEERS  
 STUDENT CHAPTER

March 1, 2022

Submitted to Kayla Fleskes  
 Student Funding and Initiatives Committee Chair

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2021-2022  
 ANNUAL REPORT

**PRESIDENT'S MESSAGE**

The 2021-2022 year has continued with its challenges, but it has also been equally exciting for the Oregon State University (OSU) ITE Student Chapter. We began our 2021-2022 year with virtual events and have slowly transitioned to in-person due to the improving COVID situation. We had a rocky start due to the policies and concerns that promote our safety during this pandemic. Virtual events have been a blessing in providing us an accessible environment for members to engage in different activities and staying connected with each other without travel. However, we have missed the variety of in-person activities and closeness; therefore, we have worked hard to organize different types of events, including virtual, in-person, and hybrid to promote various ways of connecting and staying engaged while providing a safe, inclusive, and comfortable environment for our members. With no travelling involved for almost two years, our chapter finally brought 12 members to Washington DC to attend the 2022 Transportation Research Board (TRB). Our chapter grew over the year, we collaborated with different organizations and ITE student chapters, with a particular emphasis in serving the community and developing members' technical and soft skills. We are proud to share that we handed out more than 300 pairs of bike lights to promote transportation safety. Throughout the year, our members have participated in over 60 activities, including professional development, technical applications, community services and outreach, leadership, and more. The high level of engagement of the chapter could not be achieved without the support of members, an accountable leadership team, and the help from advisors and professional ITE. We hope you enjoy reading through this summary of our 2021-2022 year. If you would like more information or have any questions, please do not hesitate to contact me at chaie@oregonstate.edu or by phone at 269-548-5692. Thank you.

- Eileen Chai, OSU ITE President

Eileen Chai  
 OSU ITE President

Dr. David S. Hurwitz  
 OSU ITE Faculty Advisor

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**CHAPTER  
 ADMINISTRATION**



Eileen Chai  
 President



Mckenna Milacek  
 Vice President



Amy Wyman  
 Secretary



Joe Neils  
 Treasurer



Yujun Liu  
 Community Svc.



Elsa Moreno  
 Media Relations



Dianne Fankhanel  
 Executive Chair



Rachael Oster  
 Professional Dev.



Dr. David Hurwitz  
 Faculty Advisor

# 27 REGULAR MEMBER MEETINGS

Meeting #	Date	Location	Presentation	Speaker	Joint?
1	04/08/21	Virtual	Planning	N/A	No
2	04/20/21	Virtual	General	Eileen Chai	No
3	04/28/21	Virtual	Speaker	PBOT	Yes (ASCE)
4	05/05/21	Virtual	Discussion	N/A	No
5	05/18/21	Virtual	Planning	N/A	No
6	05/19/21	Virtual	Discussion	N/A	No
7	05/19/21	Virtual	Speaker	Fehr & Peers	Yes (ASCE)
8	06/02/21	Virtual	Discussion	N/A	No
9	09/13/21	Virtual	Planning	N/A	No
10	10/04/21	Hybrid	General	Eileen Chai	No
11	10/06/21	In-Person	Speaker	ODOT	Yes (ASCE)
12	10/18/21	Virtual	Planning	N/A	No
13	11/09/21	Hybrid	Speaker	Thomas Beuer, TTS	No
14	11/18/21	In-Person	Discussion	N/A	No
15	12/13/21	Virtual	Planning	N/A	No
16	01/06/22	Virtual	Speaker	Dr. Kay Axhausen	No
17	01/26/22	Hybrid	General	Eileen Chai	No
18	01/28/22	Virtual	Speaker	Dr. Chen Chen	Yes (CE 507)
19	02/04/22	Virtual	Speaker	Dr. Hisham Jashami	Yes (CE 507)
20	02/09/22	Virtual	Planning	N/A	No
21	02/11/22	Virtual	Speaker	Dr. Robert Bertini	Yes (CE 507)
22	02/16/22	Hybrid	Speaker	Kimley Horn	No
23	02/22/22	In-Person	Discussion	N/A	No
24	02/23/22	Hybrid	Speaker	David Cox	No
25	02/25/22	Virtual	Speaker	Dr. Angela Kitali	Yes (CE 507)
26	03/04/22	Virtual	Speaker	TBD	Yes (CE 507)
27	03/08/22	Hybrid	Elections	McKenna Milacek	No



## FEATURED MEETING: MEETING #13

This was the chapter's first hybrid in-person/virtual speaker meeting since March 2020. During the pandemic, OSU ITE made a concerted effort to increase our use of social media to promote and report our activities more. This helped increase the chapter's publicity and kept students, current members, and alumni connected with the chapter engaged. Thomas Beuer is an OSU alumni and CEO from TTS. He reached out to us after seeing our posts on LinkedIn and offered to give a presentation and demonstration on the topic of V2X technology. The novel topic attracted students from a wide variety of backgrounds, including students in the School of Civil and Construction Engineering (CCE) and School of Electrical Engineering and Computer Science. The meeting provided new insights into the field of transportation, and attendees learned about the advanced technology and how it's used in the field.



## LEADERSHIP DEVELOPMENT

Before the start of Spring term, newly elected officers met with past officers to discuss responsibilities and set goals for the upcoming year.

A planning and transition meeting at the beginning of Spring term facilitated this discussion.

Planning meetings were hosted twice per term all members were welcome and attend these meetings, which provided opportunities for members to contribute ideas or volunteer to lead events like competition teams or K-12 outreach sessions.

Student leadership was essential to leading District level events, such as the Western District Annual Meeting Kell competition's ice breaker and the Family Night Young Professionals social.

To further develop leadership among members, OSU ITE supported all members to attend the OSU Engineering Student Council Retreat, ITE Western District Annual Meeting, and the Student Leadership Summit.

## NETWORKING EVENTS

The year of 2021-2022 was characterized by a transition from virtual to in-person events as the COVID pandemic evolved.

For the first half of the year, OSU ITE held mostly virtual events. Due to the lower costs of attendance of virtual events, we were able to send more students to transportation conferences and networking events than we typically would be able to.

Students enjoyed attending the following virtual networking events: PacTrans Region 10 Conference, Oregon ITE Bill Kloos Traffic Bowl, ITE Western District MiteY Mentoring program, ITE Joint Annual Meeting, ITE Western and Mountain District Student Leadership Summits, Oregon ITE Transportation Career Fair, and the Oregon ITE Winter Workshop.

We collaborated with other student chapters, such as Cal Poly San Luis Obispo (SLO) and University of California Los Angeles (UCLA), on events like the Western District Family Night Young Professional Social and the inter-chapter social event. We also presented to Sacramento State's ITE chapter about traffic bowl and OSU ITE.

With evolving pandemic conditions and a transition to more in-person events, we were able to send 12 students to the TRB Annual Meeting in Washington D.C. This allowed OSU ITE members to meet persons they originally connected with virtually and network in a more traditional setting.



## K-12 STEM OUTREACH

OSU ITE aims to promote STEM fields and transportation to younger generations by engaging K-12 students in both virtual and in-person environments.

During August 2021, OSU ITE helped plan and lead activities for the OSU National Summer Transportation Institute (NSTI), a week-long, transportation-focused camp for high school students. The program consisted of field trips, hands on activities, field measurements and observations, and team-based challenges.

In addition to NSTI, OSU ITE led several hour-long virtual transportation-theme sessions for the OSU AWSEM Virtual Engineering Camp and OSU Pre-college Discovering the Scientist Within Program.

OSU ITE also submitted a successful K-12 outreach proposal to Western District ITE. The event will consist of a half-day transportation workshop aimed at introducing middle and high school students to transportation.

# APPLICATION OF TECHNICAL KNOWLEDGE

OSU ITE aims to provide a platform for members to apply technical transportation knowledge during school.

During the past year, members presented their transportation research at various conferences, including the PacTrans Region 10 conference and the TRB Annual Meeting.

OSU ITE also collaborated with the City of Corvallis on a traffic count data collection and analysis project and resumed the 2020 Western District Data Collection Project (postponed because of the global pandemic) to collect trip generation and parking data in a dog park in Corvallis.

These activities allowed students to practice real-world transportation data collection and analysis methods in the field on real-world projects.

Lastly, OSU ITE members competed in Traffic Bowl, the Kell Competition, and the TRB Standing Committee on Traffic Control Devices and the American Traffic Safety Services Association (ATSSA) Student Traffic Control Device Challenge (TCDC). Our traffic bowl team was excited to place first at the ITE Western District and ITE Intercollegiate Grand Championship, the first time ever in OSU ITE history.

Our ITE Western District Kell's competition and Student TCDC teams both placed third in their respective competitions!

## NEW MEMBER RECRUITMENT

OSU ITE welcomes all students interested in the field of Transportation, regardless of major. Over the year, our student chapter participated in several club fairs to recruit new members, including two Engineering-specific fairs, the OSU Beaver Community Fair, and the OSU Happiness Festival. OSU ITE members also volunteered with OSU's Transportation Services in their Welcome Week Poker Ride and spoke in CCE classes at all levels to introduce students to the club. These events helped the club increase the chapter's publicity and attract new student members.

## DIVERSITY, EQUITY & INCLUSION

OSU ITE strives to create an inclusive environment for all students. Students across disciplines were welcomed to attend OSU ITE's events and we encouraged students to get involved in chapter leadership and activities. To bring students together, we hosted various social events and a discussion group throughout the year. With loosening pandemic restrictions, these events were able to occur in-person during fall and winter terms. During both terms, students enjoyed connecting with each other during pizza and bowling socials and in-person discussion groups.

## TRAINING & PROFESSIONAL DEVELOPMENT

One mission of OSU ITE is to provide training and professional development opportunities to its members. This year, OSU ITE reached out to the OSU Career Development Center to start up career development workshops to help our members prepare for internship or job hunting. We have confirmed to host the workshop starting in Spring term before the college career fair. OSU ITE also hosted speaker meetings, data collection projects, and service projects designed to increase student's exposure to transportation practice and allow them to practice leadership and technical skills in real-world settings. We also encouraged member participation in transportation conferences and other networking events.

## FIELD TRIPS & TECHNICAL TOURS

Field trips and technical tours were hard to conduct due to the global pandemic. OSU ITE members were able to attend the Congressman DeFazio to Test Drive Volvo Electric Truck event in Coburg and had the chance to test drive the electric semi truck. Our speaker, Thomas from TTS, gave a virtual tour of navigating the V2X technology in our speaker meeting and he demonstrated the various technologies implemented in Corvallis. OSU ITE has also coordinated a field trip to Coral Sales Company in Portland to see the development of their highway safety products. This field trip must be postponed to Spring term due to the arising variant. However, that brought us an opportunity to conduct a joint field trip session with an OSU undergraduate transportation class.

## SERVICE PROJECTS

With a transition back to more in-person activities, OSU ITE was able to participate in more community service projects. Beyond the K-12 outreach and data collection events mentioned above, we also collaborated with OSU Transportation Services on their OSU Campus Transportation Photo Shoot, the "Welcome Week Poker Ride", OSU Campus Bike Parking Utilization Data Collection, and their "Be Bright Be Seen" bike light giveaway. These events both literally and figuratively helped increase the visibility of student bicyclists and promoted safe bicycling within the OSU community. OSU ITE also organized a separate bike light giveaway event and collaborated with ASCE to resume our once-per-term Adopt-A-Highway clean-up program.

## NETWORKING

Activity	Date	Location	Attendees
Joint ITE Annual Meeting	07/20/21	Virtual	11
PacTrans Region 10 Conference	10/15/21	Virtual	Varies
PacTrans Region 10 Student Conference	11/08/21	Virtual	Varies
Oregon ITE Bill Kloos Traffic Bowl	11/18/21	Virtual	4
TRB Annual Meeting	01/09/22	Washington D.C	12
OSU+Sac State ITE Inter-Chapter Informational Meeting	02/23/22	Virtual	25

## APPLICATION OF TECHNICAL KNOWLEDGE

Activity	Date	Location	Attendees
ITE Western District Annual Meeting – Traffic Bowl (1 <sup>st</sup> Place)	06/26/21	Virtual	11
ITE Intercollegiate Traffic Bowl Championships (1 <sup>st</sup> Place)	07/21/21	Virtual	11
ITE Western District Annual Meeting – Kell Competition (3 <sup>rd</sup> Place)	07/24/21	Virtual	4
OSU Campus Bike Parking Utilization Data Collection	10/26/21	Corvallis, OR	5
City of Corvallis Traffic Count Data Collection	11/02/21	Corvallis, OR	8
PacTrans Region 10 Student Conference – Poster Session	11/08/21	Virtual	Varies
Oregon ITE Bill Kloos Traffic Bowl (3 <sup>rd</sup> Place)	11/18/21	Virtual	4
TRB Annual Meeting – Poster and Lectern Presentations	01/09/22	Washington D.C	12
Student Traffic Control Device Challenge (3 <sup>rd</sup> Place)	01/15/22	Washington D.C	3
ITE Western District Dog Park Trip Generation and Parking Data	02/19/22	Corvallis, OR	6

## TRAINING, PROFESSIONAL DEVELOPMENT & TECHNICAL TOURS

Activity	Date	Location	Attendees
Oregon ITE: Transportation Career Fair	04/08/21	Virtual	3
ITE Mountain District Student Leadership Summit	04/20/21	Virtual	2
Traffic Bowl Team Training/Study Group (6 Sessions)	Varies	Virtual	Varies
Congressman DeFazio to Test Drive Volvo Electric Truck	05/04/21	Coburg, OR	2
Joint ITE Annual Meeting	07/20/21	Virtual	11
PacTrans Region 10 Transportation Conference	10/15/21	Virtual	Varies
PacTrans Region 10 Student Conference – Technical Sessions	11/08/21	Virtual	Varies
ITE Western District MiteY Mentorship Fall Event	11/18/21	Virtual	Varies
TRB Annual Meeting - Technical Sessions	01/09/22	Washington, D.C.	12
ITE Western District Student Leadership Summit	1/28/22	Virtual	8
Oregon ITE Winter Workshop	02/24/22	Virtual	Varies

## NEW MEMBER RECRUITMENT

Activity	Date	Location	Attendees
Fall ENGINEERING+ Club Fair	09/21/21	Hybrid	100+
Welcome Week Poker Ride	09/24/20	Corvallis, OR	Varies
Beaver Community Fair	10/01/21	Corvallis, OR	100+
Happiness Festival	10/08/21	Corvallis, OR	100+
Classroom Outreach	Varies	Hybrid	N/A
Winter ENGINEERING+ Club Fair	01/28/22	Hybrid	100+

## DIVERSITY, EQUITY & INCLUSION

Activity	Date	Location	Attendees
Spring Discussion Group (3 Sessions)	Varies	Virtual	Varies
Fall Discussion Group	11/18/21	Corvallis, OR	10
Fall Social – Bowling & other games	12/02/21	Corvallis, OR	15
Winter Discussion Group	02/22/22	Corvallis, OR	11
Winter Social – Bowling & other games	03/03/22	Corvallis, OR	TBD

## K-12 STEM OUTREACH

Activity	Date	Location	Attendees
OSU Summer Transportation Institute	07/26/21	Corvallis, OR	17
OSU AWSEM Club: Virtual Engineering Camp	06/26/21	Virtual	15
OSU Pre-college Programs: Discovering the Scientist Within	02/26/22	Virtual	24

## SERVICE PROJECTS

Activity	Date	Location	Attendees
OSU Campus Transportation Photo Shoot	05/24/21	Corvallis, OR	3
Fall Adopt-A-Highway*	11/06/21	Corvallis, OR	16
Be Bright Be Seen Bike Lights Giveaway*	11/10/21	Corvallis, OR	Varies
Winter Adopt-A-Highway*	02/26/22	Corvallis, OR	10
Be Bright Be Seen Bike Lights Giveaway	03/02/22	Corvallis, OR	Varies



# APPENDIX: PICTURES 2021-2022



INTER-CHAPTER MEETING



ADOPT-A-HIGHWAY



K-12 OUTREACH



BIKE LIGHT GIVEAWAY



DATA COLLECTION

## Oregon State University Institute of Transportation Engineers Student Chapter

School of Civil and Construction  
Engineering | Oregon State University  
101 Kearney Hall, Corvallis, OR 97331-  
3212 | oregonstateite.org



DISCUSSION GROUP



E-TRUCK