

2019–2020 Student Chapter Annual Report

Prepared By:

Oregon State University

**Institute of Transportation Engineers
Student Chapter**



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President's Message

The 2019 – 2020 year has been one of considerable growth and accomplishment for the Oregon State University (OSU) Institute of Transportation Engineers (ITE) Student Chapter. Of many highlights, we have made significant efforts to improve our inclusivity through equity and diversity trainings for all officers and the intentional engagement of a more diverse group of members. This ranged from collaboration with other student organizations across majors and universities to developing strategies to increase e-campus student participation.

All of this has been completed while maintaining a strong commitment to our core mission: providing resources to increase exposure for ITE and the transportation community. OSU ITE held and participated in events domestically and internationally, solidifying OSU ITE's global influence and name recognition. This year alone, OSU ITE members travelled a total of 140,000 miles! We hope you enjoy reading through this brief summary of our 2019 – 2020 year. If you'd like more information on anything mentioned in this report, or are interested in things that are not reflected in this report, do not hesitate to contact me at chandc@oregonstate.edu or by phone at (503)-502-3010.

-Cadell Chand, OSU ITE President

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Chapter Administration

Elected Officers

| | | | | |
|-------------------------------|--------------------------------|--------------|---------------------------------|-------------------------|
| | President | Cadell Chand | | |
| Vice President | Amanda Riley | | Secretary | Sydney Borek |
| Treasurer | Joe Neils | | Executive Chair | Travis Larson |
| University Liaison | Eve Lathrop | | Outreach Chair | Rachael Oster |
| Social Chair | Cameron Bennett | | Data Collection Chair | Amy Wyman |
| Media Relations Chairs | Erick Moreno & Diane Fankhanel | | Community Service Chairs | Eileen Chai & Megan Lee |

Regular Member Meetings (25 activities)

| Meeting # | Date | Location | Presentation | Speaker | Joint? |
|-----------|----------|---------------|--------------|--------------|------------|
| 1 | 04/09/19 | Corvallis, OR | Planning | N/A | No |
| 2 | 04/16/19 | Corvallis, OR | General | Cadell Chand | No |
| 3 | 04/18/19 | Corvallis, OR | Speaker | PBOT | No |
| 4 | 04/23/19 | Corvallis, OR | Planning | N/A | No |
| 5 | 04/09/19 | Corvallis, OR | Planning | N/A | No |
| 6 | 04/09/19 | Corvallis, OR | Speaker | WSDOT | No |
| 7 | 05/14/19 | Corvallis, OR | Planning | N/A | No |
| 8 | 05/23/19 | Corvallis, OR | Speaker | GTE | No |
| 9 | 05/27/19 | Corvallis, OR | Planning | N/A | No |
| 10 | 09/09/19 | Corvallis, OR | Planning | N/A | No |
| 11 | 09/23/19 | Corvallis, OR | Planning | N/A | No |
| 12 | 19/30/19 | Corvallis, OR | Planning | N/A | No |
| 13 | 10/02/19 | Corvallis, OR | General | Cadell Chand | No |
| 14 | 10/17/19 | Corvallis, OR | Planning | N/A | No |
| 15 | 10/20/19 | Corvallis, OR | Planning | N/A | No |
| 16 | 10/30/19 | Corvallis, OR | Speaker | KAI | Yes (ASCE) |
| 17 | 11/16/19 | Corvallis, OR | Speaker | DKS | No |
| 18 | 11/18/19 | Corvallis, OR | Planning | N/A | No |
| 19 | 01/19/20 | Corvallis, OR | Planning | N/A | No |
| 20 | 01/16/20 | Corvallis, OR | General | Cadell Chand | No |
| 21 | 01/29/20 | Corvallis, OR | Constitution | Sydney Borek | No |
| 22 | 02/18/20 | Corvallis, OR | Speaker | Kimley-Horn | No |
| 23 | 02/20/20 | Corvallis, OR | Speaker | DEA | Yes (ASCE) |
| 24 | 02/28/19 | Corvallis, OR | Elections | Cadell Chand | No |

Featured Meeting: Meeting #13: Amongst the nearly 50 attendees at the first general meeting of the school year were many new faces from a variety of majors. New attendees were interested in the cross-disciplinary events and competitions OSU ITE was planning to host or pursue, many of which are listed in the following sections of this report. The meeting's networking period was especially stimulating with a diversity of perspectives on transportation from the lenses of different disciplines.

Networking Events (13 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|----------|----------------|-----------|
| Oregon ITE 2019 Winter Workshop | 03/04/19 | Portland, OR | 5 |
| ➤ Members listened to presentations and attended a networking hour following the workshop. | | | |
| Lifesavers Conference | 03/31/19 | Louisville, KA | 2 |
| ➤ Members won scholarships to attend this cross-discipline transportation safety conference. | | | |
| Oregon ITE SensorAMA | 05/16/19 | Portland, OR | 6 |
| ➤ Members learned about transportation technology and networked with sensor manufacturers. | | | |

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|---|----------|--------------|----|
| ITE Western District Annual Meeting | 06/26/19 | Monterey, CA | 5 |
| ➤ OSU ITE made a special effort to ensure that at least one member participated in every event at this meeting. | | | |
| Association of Pedestrian & Bicycle Professionals (APBP) Conference | 08/26/19 | Portland, OR | 3 |
| ➤ Three members expanded their network of active transportation planners and activists. | | | |
| PacTrans Region 10 Transportation Conference | 10/12/19 | Seattle, WA | 17 |
| ➤ Members presented their work and networked with students and faculty from around the Pacific Northwest. | | | |
| PacTrans Region 10 Student Conference | 10/13/19 | Seattle, WA | 17 |
| ➤ OSU ITE had the highest attendance of any of the school participating in this student-centered conference. | | | |
| Oregon ITE Bill Kloos Traffic Bowl | 11/22/19 | Portland, OR | 9 |
| ➤ OSU ITE's Traffic Bowl team placed 3 rd overall at this regional competition. | | | |
| Transportation Research Board (TRB) Annual Meeting | 01/13/20 | Wash., D.C. | 11 |
| ➤ Members presented their work and networked with transportation professionals from around the world. | | | |
| ITE Student Reception | 01/13/20 | Wash., D.C. | 7 |
| ➤ OSU ITE received a personal tour of ITE's Headquarters from ITE President and OSU Alumni, Randy McCourt. | | | |
| PacTrans Region 10 Reception | 01/14/20 | Wash., D.C. | 9 |
| ➤ Members reconnected with OSU ITE alumni, as well as students and faculty from the Pacific Northwest. | | | |
| University of Massachusetts (UMASS) Amherst Reception | 01/14/20 | Wash. D.C. | 8 |
| ➤ OSU ITE strengthened and developed relationships with ITE Student Chapters on the East Coast. | | | |
| Oregon ITE 2020 Winter Workshop | 01/27/20 | Portland, OR | 5 |
| ➤ New ITE members met Oregon ITE members and attended a networking hour following the workshop. | | | |

Leadership Development

Amendments to OSU ITE's constitution in 2019 - 2020 relaxed regulations on the creation of officer positions. This has allowed OSU ITE to support the ideas and passions of our members, resulting in a significant uptick in students leading efforts in new service areas, competitions, and projects. These students, who would have otherwise not been involved, now have increased accessibility to elected officer positions. Also, OSU ITE continues to send future leaders to Student Leadership Summits (SLS) across the country and ensures mentorship between new officers and their predecessors.

K-12 STEM Outreach (1 activity)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|----------|---------------|-----------|
| *K-12 Women in STEM Outreach | 02/11/20 | Corvallis, OR | 4 |
| ➤ OSU ITE helped lead and run an event to for Corvallis area students. Hands-on activities taught Civil Engineering and Transportation concepts, while discussions focused on the need for more female representation in STEM. | | | |

Application of Technical Knowledge (35 activities, 52 published papers, 5 awards)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|---|----------|---------------|-----------|
| Student Safety and Technology Design Competition (SSTDC) | 06/20/19 | Netherlands | 4 |
| ➤ OSU ITE represented North American in this international design-build competition with their intelligent vehicle damage assessment and reporting application, and is the first ITE affiliated team to reach the SSTDC finals. | | | |
| PacTrans Region 10 Transportation Conference | 10/12/19 | Seattle, WA | 3 |
| ➤ Members participated in poster sessions and gave lectern presentations on their research. | | | |
| Road Safety and Simulation (RSS) Conference | 10/12/19 | Iowa City, IA | 2 |
| ➤ Members gave lectern presentations and served on panel discussions on their simulation research. | | | |
| Oregon ITE Bill Kloos Traffic Bowl | 11/22/19 | Portland, OR | 4 |
| ➤ OSU ITE's Traffic Bowl team placed 3 rd overall at this regional competition. | | | |
| TRB Annual Meeting | 01/13/20 | Wash., D.C. | 11 |
| ➤ Members presented their work in poster sessions and lecterns, with one member winning an award for their paper. Several members also served on TRB committees or participated in committee meetings. | | | |
| Traffic Control Device Challenge (TCDC) | 01/14/20 | Wash. D.C. | 4 |
| ➤ OSU ITE won 1 st place in this international conceptual competition with their idea to improve work-zone signage and routing to accommodate both human drivers and connected and autonomous vehicles. | | | |

| | | | |
|--|----------|---------------|--------|
| Congressional Complete Streets Meeting | 01/14/20 | Wash. D.C. | 1 |
| ➤ One member discussed strategies to pass the 2019 Complete Streets Act with Congressman DeFazio's staff. | | | |
| American Traffic Safety Services Association (ATSSA) Annual Meeting | 01/26/20 | N.O., LA | 1 |
| ➤ One member presented as the first-place winner of TCDC at ATSSA's Traffic Talks event. | | | |
| Oregon ITE 2020 Winter Workshop | 01/27/20 | Portland, OR | 2 |
| ➤ Members presented their SSTDC project as featured speakers at this professional development event. | | | |
| Traffic Bowl Training (3 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE's Traffic Bowl team hosted open training sessions to increase the competition's visibility. | | | |
| City of Corvallis Tax Lot Analysis (10 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE collected tax lot data and performed trip generation analysis for the City of Corvallis. | | | |
| City of Corvallis Crosswalk Compliance Study (2 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE collected and analyzed video data on crosswalk compliance before and after infrastructure upgrades for the City of Corvallis and the Corvallis Bicycle and Pedestrian Advisory Board. | | | |
| City of Corvallis Traffic Counts (4 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE collected peak hour traffic counts for several intersections along Circle Boulevard. The City of Corvallis provided funds for the completion of this technical field work and preparation of data. | | | |
| City of Corvallis Microsimulation Analysis | 02/02/20 | Corvallis, OR | 2 |
| ➤ Members analyzed peak hour traffic count data in microsimulation software for the abovementioned traffic counts. The City of Corvallis provided funds for the completion of this technical analysis. | | | |
| Oregon Bicycle & Pedestrian Advisory Committee (6 separate events) | Multiple | Varies | 1 |
| ➤ One member served as an advisor to the Oregon Department of Transportation for active transportation policy. | | | |

New Member Recruitment (4 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|-------------|-----------------|------------------|
| Cookies and Clubs | 09/24/19 | Corvallis, OR | 7 |
| ➤ Over 10 new members across majors joined OSU ITE at this engineering club fair. | | | |
| Classroom Outreach (3 separate events) | Varies | Corvallis, OR | 6 |
| ➤ Recruitment presentations were given to general science, general engineering, and civil engineering classes. | | | |

Diversity and Inclusion (10 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|-------------|-----------------|------------------|
| Etihad Festival | 04/21/19 | Corvallis, OR | 7 |
| ➤ Members helped organize, performed at, and attended this festival of Etihad culture. The event brought together hundreds of people from the Corvallis-Albany and OSU community. | | | |
| Spring Barbeque | 05/24/19 | Corvallis, OR | 20 |
| ➤ Members and OSU ITE alumni came together for barbeque, games, and socializing. | | | |
| *Civil and Construction Engineering (CCE) Clubs Meeting | 10/02/19 | Corvallis, OR | 7 |
| ➤ OSU ITE organized the first ever meeting between leaders of all CCE clubs to improve inter-club cooperation. | | | |
| Mario Kart Tournament | 10/09/19 | Corvallis, OR | 18 |
| ➤ Members, OSU ITE alumni, and students across all majors competed in this tournament for cash prizes. | | | |
| OSU Traffic Bowl | 11/01/19 | Corvallis, OR | 8 |
| ➤ OSU ITE hosted an internal Traffic Bowl to lower the barrier of entry to the competition for new students. | | | |
| *Coming Out Day Panel | 11/11/19 | Corvallis, OR | 38 |
| ➤ OSU ITE helped organize and invite panelists for this University-wide event on the challenges and considerations associated with coming out in a professional workspace. | | | |
| *Implicit Bias Training | 11/15/19 | Corvallis, OR | 42 |
| ➤ OSU ITE helped the School of CCE organize implicit bias training by OSU's Dean of Diversity and Inclusion. The training, which was open to all CCE students and staff, was attended by all OSU ITE officers. | | | |
| *OSU CCE Bowling Night | 12/03/19 | Corvallis, OR | 21 |
| ➤ Members helped organize and advertise a social bowling night with other CCE clubs. | | | |

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|--|----------|---------------|----|
| *K-12 Women in STEM Outreach | 02/11/20 | Corvallis, OR | 4 |
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| OSU ITE Bowling Night | 02/27/20 | Corvallis, OR | 13 |
| ➤ OSU ITE independently hosted a social bowling night which was open to all university students. | | | |

Training and Professional Development (19 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|----------|---------------|-----------|
| Chip Ross Park Path Improvement | 05/25/19 | Corvallis, OR | 4 |
| ➤ Members helped clear overgrowth on paths and learned how trails are constructed and maintained. | | | |
| *SLS National Webinar | 09/24/19 | Corvallis, OR | 2 |
| ➤ OSU ITE hosted an international webinar with Michigan State University's ITE Student Chapter. The webinar discussed what SLS is, it's importance to ITE, and the logistics of hosting an SLS. | | | |
| City of Corvallis Tax Lot Analysis (10 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE collected tax lot data and performed trip generation analysis for the City of Corvallis. | | | |
| City of Corvallis Crosswalk Compliance Study (2 separate events) | Multiple | Corvallis, OR | Varies |
| ➤ OSU ITE collected and analyzed video data on crosswalk compliance before and after infrastructure upgrades for the City of Corvallis and the Corvallis Bicycle and Pedestrian Advisory Board. | | | |
| City of Corvallis Traffic Counts (4 separate events) | Multiple | Corvallis, OR | Varies |
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| City of Corvallis Microsimulation Analysis | 02/02/20 | Corvallis, OR | 2 |
| ➤ Members analyzed peak hour traffic count data in microsimulation software for the abovementioned traffic counts. The City of Corvallis provided funds for the completion of this technical analysis. | | | |

Field Trips and Technical Tours (3 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|---|----------|--------------|-----------|
| *BNSF Railyard Visit | 04/27/19 | Van., WA | 14 |
| ➤ Members toured BNSF's rail yard and learned about railroad engineering, safety, and logistics. | | | |
| *TriMet Operations Headquarters Tour | 04/27/19 | Portland, OR | 14 |
| ➤ Members toured TriMet's headquarters and Orange Line, learning about route operations and maintenance. | | | |
| Port of Portland Concourse Tour | 11/23/19 | Portland, OR | 3 |
| ➤ Members toured the construction site of Portland's newest airport concourse and learned about the logistics and engineering that runs the Portland International Airport. | | | |

Service Projects (6 activities)

| Activity (* denotes jointly held events) | Date | Location | Attendees |
|--|----------|---------------|-----------|
| *Spring Adopt-A-Highway | 03/02/19 | Corvallis, OR | 8 |
| ➤ OSU ITE and other CCE clubs cleaned OSU ITE's adopted highway (Highway 34). | | | |
| American Society for Engineering Education (ASEE) Volunteering | 03/20/19 | Corvallis, OR | 4 |
| ➤ Members helped ASEE with registration and sign-in during an ASEE conference at OSU | | | |
| Chip Ross Park Path Improvement | 05/25/19 | Corvallis, OR | 4 |
| ➤ Members helped clear overgrowth on paths and learned how trails are constructed and maintained. | | | |
| *Summer Adopt-A-Highway | 08/03/19 | Corvallis, OR | 6 |
| ➤ OSU ITE and other CCE clubs cleaned OSU ITE's adopted highway (Highway 34). | | | |
| *Fall Adopt-A-Highway | 10/26/19 | Corvallis, OR | 9 |
| ➤ OSU ITE and other CCE clubs cleaned OSU ITE's adopted highway (Highway 34). | | | |
| *K-12 Women in STEM Outreach | 02/11/20 | Corvallis, OR | 4 |
| ➤ OSU ITE helped lead and run an event to for Corvallis area students. Hands-on activities taught Civil Engineering and Transportation concepts, while discussions focused on the need for more female representation in STEM. | | | |

Appendix: Pictures from 2019-2020

