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Spring, Summer, & Fall 2019

Volume 5, Issue 3

BEAVER CROSSING

Oregon State University ITE Student Chapter News

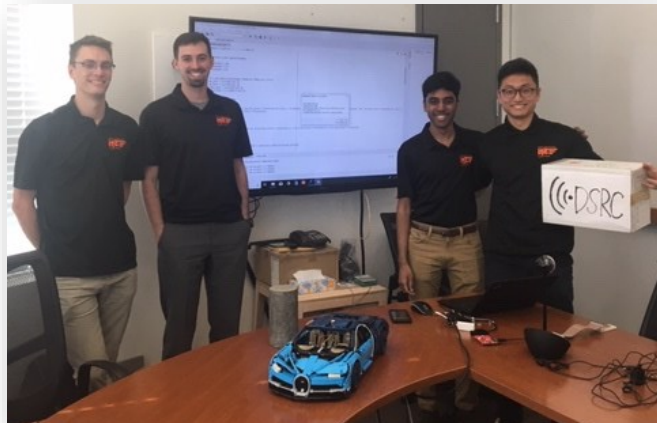


Group photo from our Annual ITE Barbeque.

In This Issue:

- Page 2 — Student Safety Technology Design Competition; OSU ITE Annual Barbeque
- Page 3 — Service Projects: Adopt-a-Highway and Chip Ross Natural Area
- Page 4 — BNSF and TriMet; Road Safety and Simulation; SensorAMA
- Page 5 — Mario Kart; Cookies and Clubs; Fall 2019 General Meeting; OR ITE Traffic Bowl
- Page 6 — Spring 2019 Speaker Meetings
- Page 7 — Fall 2019 Speaker Meetings; PacTrans; City of Corvallis Data Collection
- Page 8 — Upcoming Officer Elections; Thank You Sponsors; Upcoming Events

Student Safety Technology Design Competition: International Finalists



OSU ITE was fortunate enough to have the honor of representing North America at the Safety Technology Design Competition, held in early June in the Netherlands, where the OSU ITE team placed in the top five internationally. At the competition, the team pitched their product and demonstrated a prototype to transportation officials from around the globe. Their product: an intelligent mobile application that can predict vehicle damage and injuries sustained in a collision, and then automatically send the information to first responders. Due to the success of the application, the team is looking into the possible business feasibility of further developing the prototype.

OSU ITE Annual Barbeque

The OSU ITE Annual Barbeque was held on May 24, 2019 at Avery Park. The group celebrated the achievements of the past year by playing games and eating delicious hamburgers and hot dogs. Everyone who attended had a wonderful time and we look forward to seeing more members and more alumni next year!



Keep a lookout for our Winter 2020 bowling social! Alumni, friends, and family are all welcome at our social events.



Adopt-a-Highway Summer and Fall

Summer term's Adopt-a-Highway was held in conjunction with ASCE on August 3, 2019. Five students and three faculty members participated as they cleaned our two mile section of Highway 34, collecting a total of 20 bags of trash. OSU ITE held another Adopt-a-Highway event in Fall 2019, on October 26. There was a total of 9 people, including one faculty member, who participated in the event collecting a total of 14 bags of trash. This means that OSU ITE collected a total of 34 bags of litter over the two days. The Oregon Department of Transportation (ODOT) provides all the necessary equipment, including trash bags, reflective vests, roadside warning signs, and pickers. OSU ITE has consistently cleaned this section of Highway 34 for many terms. It has been a great way to service the Corvallis community and we will continue to do this for years to come!



NOTE: We did not hold an Adopt-a-Highway event during Spring Term due to the extensive flooding that occurred and ODOT cleaned the area themselves. We replaced our Spring service with the Chip Ross Natural Area Service Project, which is written about below.

Whether an alumni or a student, ITE welcomes your participation and time at any of our service project events. The next Adopt-a-Highway event is Sat. March 7th!



Chip Ross Natural Area Service Project

Four OSU ITE members helped the City of Corvallis Parks and Recreation Department repair and maintain the Chip Ross Natural Area on the last weekend in May. The nature trail is popular because of its significant elevation gain and stunning views of the Corvallis area. The students learned about how recreation trails are constructed and maintained as they worked, as well as information on local wildlife and how to identify and avoid poison oak.



BNSF and TriMet Tours

On April 26, OSU ITE and OSU American Railway Engineering and Maintenance-of-Way Association (AREMA) members received the chance to tour the Vancouver, Washington BNSF railyard and TriMet Operations Headquarters.

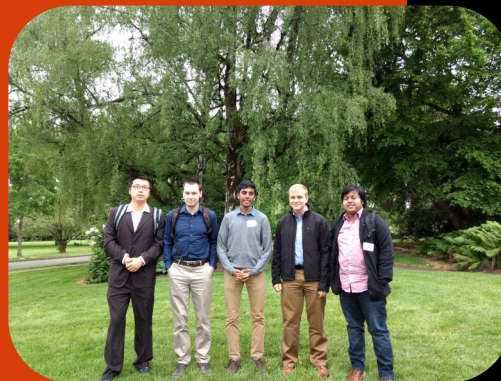
Dan MacDonald of BNSF, an OSU alumni, explained how safety is paramount when concerning rail and why engineering in freight rail is fast-paced with high stakes. Additionally, MacDonald allowed the students to tour the inside of a locomotive and watch as it was moved using a turn-table.

Corey McManus of TriMet, another OSU alumni, gave the students inside access to the TriMet Operations Room. The Operations Room is where routing information and Information Technology Systems (ITS) work in real-time to provide customers with reliable service. The students learned about route operations and maintenance challenges, as well as how modes under TriMet's umbrella of services are interconnected. Furthermore, McManus allowed the students to travel on TriMet's new Orange Line, and stopped to point out innovative rail, station, and intersection designs.



Road Safety and Simulation

The 2019 Road Safety and Simulation (RSS) conference was attended by OSU ITE faculty adviser Dr. David Hurwitz, and OSU ITE members, Hisham Jashami and Cadell Chand. Hisham was invited to give a presentation on his work with flashing yellow arrows for right turns, while Cadell presented and answered questions on a bicycle safety panel. RSS was held in Iowa City, the home of the National Advanced Driving Simulator (NADS). NADS is home to the second largest ground vehicle driving simulator, and houses several other advanced transportation labs. OSU ITE members were given the opportunity to tour each of these labs, and enjoyed learning about new research techniques and trends.



Students who attended the SensorAMA Tour.

SensorAMA Tour

Six OSU ITE members traveled to the Portland office of David Evans and Associates for Oregon ITE's SensorAMA event on May 16, 2019. The students who attended were excited to receive more information on Information Technology Systems (ITS) and Transportation Technology, and to learn more about the state of the industry as a whole. The event also enabled the students to network with practicing engineers and learn about the career paths available in ITS.

Mario Kart Tournament

To generate more comradery among members, ITE has started to plan at least one social event per term. This time it was a Mario Kart Tournament held on October 9, 2019, (and yes, ITE did choose it because of the transportation aspect). The club was happily surprised to see people from many different majors show to participate in the tournament, as well as play other games while waiting for their turn in the competition. Everyone said it was tons of fun and that maybe it should become a ITE tradition!

Fall 2019 General Meeting

The first general meeting of the school year is always exciting, and this year was no exception. Held on October 2, 2019, there were many new faces from a variety of engineering majors, including civil, mechanical, and computer science. Attendees were given a brief overview on the field of transportation engineering and an update on the many events we had planned for Fall term. The meeting ended with time to socialize and for new members to meet the OSU ITE community!



Cookies and Clubs

ITE always looks forward to being apart of the College of Engineering Cookies and Clubs each year, which was held on September 24, 2019. ITE got to meet lots of new faces, promote the club and how it can help propel the students lives further in transportation. Our listserv got over 50 new additions and ITE got to reach a larger audience than just those in civil engineering. ITE hopes that every future year is as fruitful as this one was.



OR ITE Traffic Bowl

Nine members of the ITE club attended the Oregon ITE Traffic Bowl on November 22, 2019, and four members participated in the Traffic Bowl competition. ITE held strong throughout, but ended in third place. No worries, we'll get them at ITE Western District Traffic Bowl!

Speaker Meetings: Spring 2019

PBOT - April 18, 2019

On April 18, 2019, OSU ITE proudly welcomed Andrew Sullivan from the Portland Bureau of Transportation (PBOT). Sullivan, an OSU alumni and Traffic Engineer at PBOT, presented the Flanders Crossing Bike Path and Pedestrian Bridge plan. This plan detailed a new connection over I-405 in Portland to allow for better connectivity between the NW District and the Pearl District. Construction is set to begin in 2020 and involves assembling the new Flanders Bridge at an adjacent site and installing the completed bridge using cranes and casters. Interest in construction is expected to be high, and OSU ITE is excited to follow every step.

WSDOT - May 9, 2019

On May 9, 2019, OSU ITE had the pleasure of hosting Jason Pascoe and Elizabeth Rios from the Washington State Department of Transportation (WSDOT). Pascoe presented his work within WSDOT around the redesign of roadways where fish passable structures are being installed. Rios presented on her experience as a construction inspector involved with high occupancy vehicle (HOV) projects and the Joint Base Lewis-McChord connection project. WSDOT is expecting a surge of Civil Engineering openings in the near future as many current Civil Engineers reach retirement age.



GTE - May 23, 2019



Dana Beckwith and Anastasia Roeszler of Global Transportation Engineering (GTE) came to OSU ITE on May 23rd, 2019. GTE presented two projects: the Southwest Corridor and the Naito Parkway Improvements. The Southwest Corridor is the new MAX line TriMet is planning to build in the southwest region of Portland. The Naito Parkway Improvement project began as a paving project for the city of Portland and has since expanded to provide a shared-use path along the Naito Parkway. This path will connect the Better Naito Bikeway to the South Waterfront area. As a small firm, GTE was able to give a clear representation of the opportunities for growth they have in their future.

Speaker Meetings: Fall 2019

Kittelson and Associates - October 30, 2019

On October 30, 2019, OSU ITE received a visit and presentation from Kittelson and Associates. Kittelson presented a strong case for why a new EIT or intern would be interested in Kittelson and Associates. With a full onboarding team and mentors for new hires, continued training and assistance with professional exams these are attractive incentives for new hires. They stressed the variety of projects available and flexibility within the company to work in new areas and with other offices. Their stated core values were “outward focus from trust based environment.” As a company they value independence and time management and frequently require interns to travel to other areas. They hold an intern jamboree that hosts all the Kittelson interns as well as interns from other companies to build professional networks.

DKS - November 13, 2019

OSU ITE was proud to have DKS present their recent projects and tips for future engineers, on November 13, 2019. DKS split their meeting into two sections: planning and design. The Planning portion focused on TSP updates to Bend, Oregon and the likely growth that this city expects in the next twenty years. Examples of Syncro and VSIM were shown with discussion about balancing the need to provide connectivity of vehicles and non-motorized citizens. Design focused in more on the processes that a project goes through from start to implementation using a new metro route in Portland, Oregon as an example. The core values of the company were discussed, and further the representative of the company made extra time for a meet and greet that followed the speaker meeting.

PacTrans

The 2019 PacTrans Transportation Conference was held on October 11, 2019. Many OSU ITE members and faculty attended the conference, which had the theme Bridging Innovations and Practice for Enhanced Mobility and Safety. Everyone who attended enjoyed their time immensely and expanded their knowledge from the panels and discussions that took place.



City of Corvallis Data Collection

The OSU ITE student chapter assisted the City of Corvallis Public Works on their project to audit charges on the City Services bill in Summer 2019. This opportunity was open to every member and ITE provides all the equipment. Students are responsible for collecting data on property classification and lot sizes in Downtown Corvallis. Then, appropriate ITE codes would be applied to calculate for the trip generation. This is a great chance to help out the community and we will continue to cooperate with the City of Corvallis Public Works!



Upcoming Officer Elections

ITE will be holding elections for new officers and the end of the 2020 Winter Term! Here are all of positions if you are interested in running:

President
 Vice President
 Treasurer
 Secretary
 Project Manager
 Executive Chair
 Media Relations Chair
 Outreach Chair
 Community Service Chairs
 Social Chair
 Data Collector

Being an officer can be incredibly rewarding and helpful when finding job and internship opportunities. If you have any questions about what a position entails, please email our current President, Cadell Chand at: chandc@oregonstate.edu

Upcoming Events:

Keep in touch with OSU ITE on Facebook, Instagram, LinkedIn, or at our website (www.oregonstateite.org) for more details on upcoming events. More events will be scheduled as the term continues, so make sure to check back frequently for updates.

Date	Location	Event
Feb. 18	TBD	Kimley-Horn Speaker Meeting
Feb. 20	TBD	David Evans and Associates Speaker Meeting
Feb. 27 6-8pm	MU Basement	Bowling Social Event
March 7 8:45am	Outside KEAR	Adopt-a-Highway Event

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If you wish to support us as we continue our professional ventures, please contact our current Treasurer, Joe Neils at: neilsj@oregonstate.edu