

2015-2016

Student Chapter Annual Report



Oregon State University
Institute of Transportation Engineers
April 1st, 2015 to March 31st, 2016

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CHAPTER DETAILS

1. Student Chapter Officers

President: **Andrea Mather**
 Vice President: **Kamilah Buker**
 Secretary: **David Covey**
 Treasurer: **Dejan Dudich**
 Webmaster: **Shangjia Dong**
 Activities Coordinator: **Alireza Mostifizi**
 Student Outreach: **Amber Meeks**



2. Student Chapter Membership

Number of Student Chapter Members: **86**
 Number of Student Members of the Institute: **50**
 Number of Students eligible to be a Student Member of the Institute: **86**
 Number of faculty members who are current ITE members: **1**

3. Information of Transportation Engineering Enrollment

Number of undergraduate students (sophomore – senior years) in your academic department: **389**

If not Civil Engineering, specify department: _____

Full Time: **389**

Part Time: **0**

Does your curriculum allow an undergraduate student to major or minor in Transportation?

Yes No

Number of graduate students in Transportation: **33**

Full Time: **33**

Part Time: **0**

4. Summary of Student Chapter Activities

Technical Presentations: **36**

- Speaker Meetings: 5
- Conferences & Meetings: 6
- Poster Presentations: 15
- Officer Meetings: 10

Field Trips: **6**

Public Service & Community: **7**

Promotion Among Student Body: **7**

Social & Sports: **7**

See pages 6-27

5. Roster of Student Chapter Members

See page 29

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OPENING MESSAGE

Continuing with the momentum that began last year, OSU ITE has continued to grow. Our chapter has welcomed many new members this year, we have sent more people to conferences, hosted more events, and even created a new logo. Success of our growth can be attributed to the hard work of our officers through classroom visits, social media presence, one-on-one communications, and actively recruiting students who may have volunteered for one event, but would like to get more involved. Chapter elections are just right around the corner! It is important, because many of the members running for office are new ITE members from this year. Our chapter work has inspired and motivated others to want to be involved.

This year's main highlight has been the work with Adopt-a-highway. Once a term we gather to collect trash from the roadside and next year we should have a recognition sign erected. We are proud to help the community and bring our members together for such an event.

All in all, we have accomplished many things this year and it is great to see our success through increased membership and positive feedback on events that we hosted. This year we feel we have really achieved our chapter's objectives. This year we feel we have fostered the development of professional spirit, promoted common interests among members, and acquainted members with the profession by providing sponsored trips and industry speakers, as well as fun social outings.

SPEAKER MEETINGS

Traditionally, OSU ITE hosts one speaker meeting per term. The last two consecutive terms have seen two speaker meetings each. This was accomplished by partnering with OSU American Society for Civil Engineers (ASCE). A grand total of five speaker meetings were organized and hosted by the chapter, the most ever in a single year.

David Evans Associates (DEA), spring 2015: Jordan Henderson spoke for 20 minutes about DEA and the work the firm performs. This gave students insights on if DEA would be a good fit from them. The exciting part of the meeting was when Jordan opened the floor to questions from students. The students took this



opportunity to ask a wide range of questions. The questions ranged from technical transportation questions to engineering life questions.

Zimmer Gunsul Frasca (ZGF) joint with ASCE, fall 2015: Every now and again, student organizations at Oregon State collaborate to provide an even more beneficial and exciting event for their members. That is exactly what ITE and ASCE did on November 2nd. Paddy Tillet from Zimmer Gunsul



Frasca (ZGF) Architects was the guest speaker. His presentation was titled “Urban Cities and how they have developed, with a spotlight on Portland”. Paddy presented many historical photos and facts about how Portland came to be. He talked about the layout of the city, its street design, building height, and freeway network.

Kittleson and Associates, fall 2015: This event was the second of the week following the joint meeting with ASCE. Pat Marnell, a recent graduate from OSU, returned to address students about Kittleson and Associates. Pat covered Transportation Connections, Career Opportunities, the KAI intern program, and finished with some project examples. OSU ITE is always proud to have alumni return to speak to our students.



Oregon Department of Transportation (ODOT) joint with ASCE, winter 2016: The second



installment of ITE and ASCE joining forces came January 20th when Jerry Wolcott, Project Leader, and Steven Schultz, Project Manager visited campus to discuss the US 20 Pioneer Mountain to Eddyville project. Topics included project

overview, updates on construction, and current project standing. Students were given a behind the scenes look at the project and were able to ask questions.

DKS and Associates, winter 2016: Chris Maciejewski, PE, PTOE and Brian Copeland, PE, PTOE from DKS spoke on February 23rd to a large eager crowd of students. Both Chris and Brian highlighted the services of the company, speaking from personal experience and projects they have worked on.



Next, they discussed why they believe someone would choose DKS for a career. Following, there were many great questions from students about careers, current projects, and interviewing.

CONFERENCES & MEETINGS

Each year OSU ITE manages the logistics for sending student members and officers to a diverse collection of conferences and meetings. The chapter is proud to see so many students participate in these events. This year the OSU ITE group presence at conferences was larger than in previous years.

Western ITE District Annual Meeting, summer 2015: This summer the ITE Student Chapter



traveled to Las Vegas for the Western District Meeting. President Andrea Mather, Vice President Kamilah Buker, Secretary David Covey, and Treasurer Dejan Dudich represented the Chapter. During the conference members attended technical sessions, workshops, Keynote speeches,

volunteered, and competed in the Collegiate Traffic Bowl. The Chapter entered the Traffic Bowl seeded 1st after the entrance quiz. After a few victories, OSU was in the final round. Overall the Chapter finished in second place of all the Western District schools present.

PacTrans Region X Conference and Student

Conference, fall 2015: Oregon State ITE sent

16 students to the PacTrans professional and

student conferences. The conferences were held

at the University of Washington in Seattle.

They were themed “Smarter Transportation



Safety and Technology. Keynote address were given by Roger Millar, Deputy Secretary of WSDOT and Brooke Steger, General Manager at Uber Seattle. Brooke discussed the importance

of standardized regulations across the region for Uber and gave insights on how the company insures driver screening and vehicle inspections. The professional conference consisted of three sessions, which included Technology Transfer, Workforce Development, and Research for Safer Infrastructure. For several students, it was their first time attending this event.



The following day students from several universities gathered for the Student Conference. Keynote speakers for this event include Michael Kyte, professor at the University of Idaho, and Bruce Haldors, president of Transpo Group. A crowd favorite, was the panel of young professionals comprised of recent UW graduates working in transportation. The main focus of this event was the student poster competition. Four students from OSU competed for cash prizes, including Shangjia Dong who received 2nd place and Masoud Ghodrat Abadi who received 3rd place.

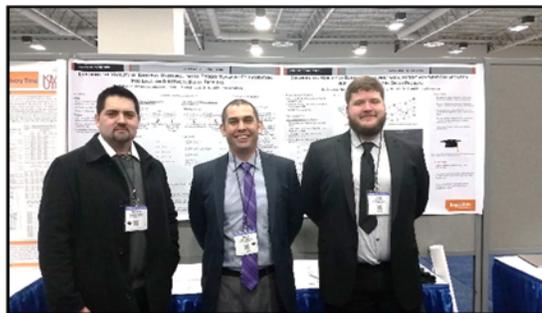
Transportation Research Board (TRB) 9th Annual Meeting, winter 2016: Quoted as “the



largest event in North America for U.S. DOT and State DOT officials,” TRB attracted over 12,000 transportation professionals from around the world to the Walter E. Washington Convention Center in Washington, D.C. on January 10th-14th. This mecca for transportation lovers features more than 5,000

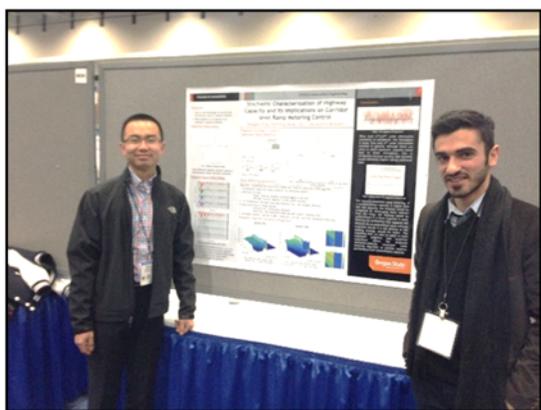
presentations within 750 sessions and workshops, and don’t forget the poster presentations!

Professionals are not the only ones who get to engage at TRB. Oregon State ITE student chapter was able to help with logistics for the travel of nineteen students to attend the conference. This year was the largest group to travel from Corvallis. Just like the title of the



1987 comedy starring Steve Martin and John Candy, students traveled by planes, trains, and automobiles during the trip to and from the Nation's Capital. Being in D.C., at TRB, is a magnificent time for our students, not only because of the massive amounts of opportunities for learning and networking, but because of the opportunities to present their own work and get feedback from peers and professionals from all around. Many members of OSU ITE had the opportunity to present posters and for a few, even lectures.

Jason Anderson and Dejan Dudich (ITE Treasurer) presented their poster on hub location and



network design for multimodal freight movement collaboration. Shanjia Dong (ITE Social Media Coordinator) and Alireza Mostafizi (ITE Event Coordinator) presented their poster on highway capacity characterization and its implications on corridor ramp metering control.

Lastly, but certainly not least, Andrea Mather (ITE President) was presented with the PacTrans Region 10 Outstanding Student of the Year Award.

Student Leadership Summit, winter 2016: Born in the Western ITE district, the Student Leadership Summit (SLS) is an opportunity for students to organize and host a large scale event.

In the process, those that attend are able to develop strong leadership skills that will lead to better careers, by listening to leaders in the transportation industry from around the region.

The 3rd annual SLS was hosted by Cal Poly Pomona January 22nd -24th. With In-N-Out Burger symbols in their eyes, four Beavers set sail for The Golden State: Liz Rios, Zach Barlow, Amber Meeks, and David Covey. For each of them, it was their first time in attendance.

The second day included technical presentations, Zaki Mustafa (LADOT) during lunch, and mock speed interviews and design projects captured students until dinner. A “Hollywood Red Carpet” themed banquet was the night’s entertainment. On the third day, students presented for the



design competition for a parking design around the Cal Poly campus. David Covey’s team secured a 2nd place victory among the many teams present.

OSU College of Engineering Research Expo, winter 2016: March 1st, 2016, Oregon State



College of Engineering graduate students headed to Portland with hopes of wowing the public and peers with research and innovation from a premier institution.

Students from all major engineering schools were in attendance (Chemical, Civil, Electrical, Mechanical, and Nuclear). Thirteen members of the ITE chapter, several in Engineering Education, several in Materials, the remaining in

Transportation, were in attendance and possessed an impressive collection of research as a group. In total, OSU ITE had eleven poster presentations at this event! Students were motivated during lunch by Dave Yewman, Elevator Speech co-founder, before presenting posters for the remainder of the day.

ITE member, Yue Ke, won the grand prize for the entire School of Civil and Construction Engineering by having the best poster presentation. His poster was titled “Determinants of Vehicle Miles Traveled (VMT) in Oregon. Focused on using econometric techniques, the research aims to find determinants of VMT by using the Oregon Household Activities Survey.

Northwest Transportation Conference, winter 2016: The biennial conference, created in 1949,



provides engineers, designers, operators, planners, officials, etc. with the opportunity to learn about the most innovative and current research and technologies available for the transportation industry. Many of our

members attended the conference held on campus in Corvallis. A select few members even presented at the conference. Andrea Mather spoke about her Master’s thesis titled “Wheeled Mobility Devices Performance and Passive Securement Systems”. The talk focused on wheelchair securement on large transit buses and light rail vehicles and was featured in a session about public transportation.

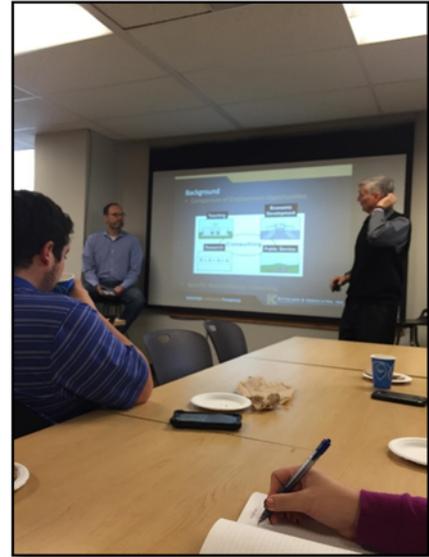
FIELD TRIPS

As part of the ongoing promotion of transportation engineering to the general student body, OSU ITE organizes and gives students, members, and its' officers great opportunities to interact with industry through field trips. This year OSU ITE followers had the opportunity to attend six different and unique field trips, again the most every in one year.

24th Annual Oregon ITE Traffic Bowl: This year's annual William C. Kloos Traffic Bowl was held at the Embassy Suites Hotel in downtown Portland on November 19th. Oregon State was eager for another chance to compete after a strong 2nd place performance at the Western District meeting over the summer. While the team remained the same, the strategy did not. OSU battled with University of Washington and Oregon Tech in the second round. The team was two questions away from being the third team into the final round. Overall, the night was a success.



Kittleson and Associates, fall 2015: Students who attended the Oregon ITE traffic bowl participated in field trip day. The first stop was Kittleson. Wayne Kittleson was present, among others, to brief the students on the company's goals and background. Example projects were discussed as well. Wayne then provided advice on selecting a company that is the right fit for the employee. Visiting Kittleson was a great experience for our members who were in attendance.



ODOT Region 1 Office, fall 2015: Following Kittleson, the next field trip was to downtown



Portland for the Region 1 office, the epicenter for all transportation in the State. Visitors were shown the “crisis room,” where officials meet if there were a major disaster. The room featured many cameras focused on various portions of the highway network around Portland, OR. Next, the group was shown the

call center, where reports of accidents come to the dispatchers who appoint the proper resources.

HDR Portland Office, fall 2015: during a lunch meeting, OSU ITE members and some students



from other schools gathered at a table in the HDR downtown Portland office. HDR talked with the students about who they are and what kind of work they do. A variety of project examples were presented, because of the presence HDR has across the nation.

Portland International Airport, fall 2015: The Airport Design Course visited Portland International Airport in November. Students were able to tour the airfield, ticketing center, and the baggage checking area. On the airfield the Port of Portland employees discussed everything from pavement design and snow removal to water treatment. In the ticketing area, the students learned about the airport master plan. One of the highlights of the tour was the behind the scenes look at the baggage check area.



DKS and Associates Salem Office, winter 2016: Many ITE members were present on this field

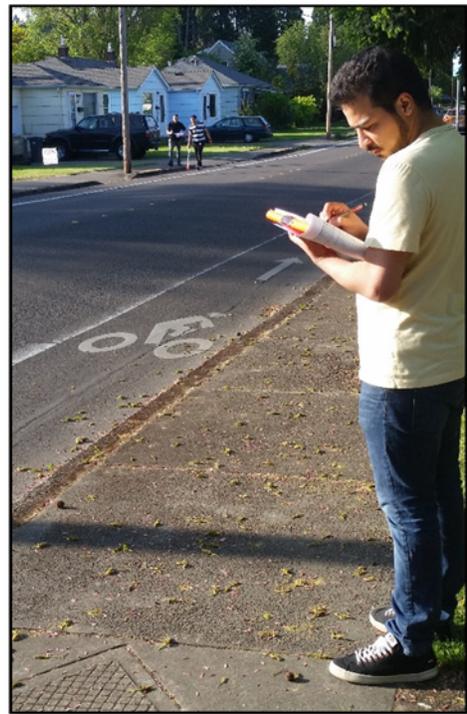


trip as part of a graduate student seminar class. The group travelled from Corvallis to Salem to tour the DKS office and see firsthand what daily operations look like. Students were briefed on the services offered by DKS, as well as the current projects that DKS has a hand in.

PUBLIC SERVICE & COMMUNITY

One of the larger sections of the OSU ITE chapter are events that interact with or help the public. The list of events include technical projects and fundraising opportunities. This year the Chapter started the Adopt-a-highway program through Oregon DOT and it has been very successful. The Chapter also participated in helping the City of Corvallis collect data about parking and parking habits around the OSU campus.

Parking Study near OSU Campus, spring 2015: This Spring the OSU ITE Student Chapter undertook a large data collection project. This project focused on parking availability for the around surrounding the Oregon State University Campus. The total area was just under 2 square miles. Over a two week period the chapter used 25 volunteers to collect, process, and report the data collected. Volunteers used measurement wheels to walk along the curb face collecting all of the physical characteristics of parking zones. This data was then inputted into a spreadsheet and reported. The chapter spent over 250 hours on the project with about 150 hours in the field. The chapter was able to use this an outreach activity as well. Officers went to transportation classes and recruited volunteers for the project. Many of the students that were volunteers for the project are now members of ITE.



Parking Use Survey near OSU Campus, fall 2015: A parking survey of people around the OSU campus was conducted in late fall by our students to help the university better understand people's parking behavior. Teams of students walked around the neighborhood surrounding the campus asking people to take a survey about parking. The survey was conducted over a two-day period and had over fifteen volunteers.

Adopt-a-highway Clean Up, fall 2015 and winter 2016: Over the summer came the



announcement of the Chapter's involvement in a community service project. This term that was put into action! Members, officers, and the Chapter's faculty advisor all volunteered several hours of their time to make the inaugural event a huge success. In total, 15

people were on site to walk the two mile stretch of roadway and fill ODOT approved bags with a variety of findings. The portion of roadway is just past the Van Buren Bridge at NW Monroe Ave along Highway 34 to NE Colorado Lake Dr. Being that this was the first clean-up, and there was construction all along this stretch, bags were filled quickly.



At the end of the day, 21 bags in total were collected by the group.



Just as the rain started, the group had finished and made their way to American Dream Pizza for lunch.

Winter term clean-up was made easier by improved logistics and the help of more people willing to drive. This two mile stretch was divided into four equal legs. Two teams walked east and two west to cover the adopted stretch in a more efficient manner. The second outing saw similar numbers with another 20 bags of trash collected.

COTA paper editing, winter 2016: The Chinese Overseas Transportation Association (COTA), established in 1996, is a non-profit professional organization with members who work and study worldwide. Each year OSU ITE receives well over a dozen journal articles written by COTA members, mostly students, who are looking for publication. OSU ITE carefully reviews the papers and provides edits, comments, etc. This year 19 total papers were reviewed by 12 OSU ITE members.

NW Transportation Conference, winter 2016:

This year, and like years past, OSU ITE graciously volunteered to aid in logistics, such as set-up, registration, and sign changing, etc. Members of the Chapter volunteered over a two day period. In total there were 22 student volunteers.



PROMOTION AMONG STUDENT BODY

OSU College of Engineering Carnival, spring 2015: This year the College of Engineering



Spring Carnival was done in conjunction with the undergraduate Engineering Expo. This allowed the chapters to engage with a wider range of people. Middle School, High School, and College Students were in attendance and all the proceeds from the event went to the Linn Benton Food Share. The

chapter had the classic carnival game of car racers. Participants would build cars and race them down a track. Everyone who came by the booth had a great attitude and enjoyed racing their designs. This event was also a great time to practice talking to the public about transportation engineering and what ITE is and does.

OSU College of Engineering Student Club Showcase, winter 2016: The College of Engineering



Showcase was a chance for engineering student chapters to reach out to freshman engineering students. The showcase highlighted a few chapters each week. ITE and AREMA shared the night

focusing on transportation and discussing what the chapter does around campus and the community.

Graduate Student Recruitment, winter 2016: Each year prospective students arrive on campus eager to learn what OSU has to offer. Members of OSU ITE were part of a poster session during lunch for all incoming graduate students. Each member talked about their research and discussed

with new students about OSU and Corvallis in general. After a tour of campus, ITE members and new students met with transportation faculty for more information on the program at OSU.

Student outreach, all year:

OSU ITE Social Media and Website: The Chapter uses Facebook and Twitter to communicate to its members frequently. The Facebook presence has proven to be successful in reaching our



members. Since January of this year, the page total likes have been increasing. Facebook and Twitter have served as

good outlets to post about the Chapters speaker meetings, conferences, and sports events.

Beaver Crossing – Quarterly Newsletter: Each term, the Chapter publishes a newsletter that summarizes all the activities that happened. Members, faculty, and a few people outside the university are able to view the final publication. The newsletter is forwarded to the Public Information Specialist for the School of Civil Engineering, for all students in all majors to see what OSU ITE has accomplished.

New Logo and T-shirts: The logo featured on the cover page of this report is a new logo designed this year. The Chapter wanted something that would symbolize what ITE is all about, all modes of transportation. Having this new logo helped the Chapter grow and reach new people and served as a talking point to those who were interested. Shirts were made with the logo as a way to raise funds for the Chapter and unite our members and the shirts received really positive feedback.

SOCIAL & SPORTS

OSU Baseball, spring 2015: Five members from the chapter saw Oregon State beat University of



Utah in a thrilling game. For one of the members it was their first time attending a baseball game. Other members had a great time explaining the wonderfully confusing game of baseball to him. The game ended with the pitchers best friend, a double play.

End of year summer BBQ, summer 2015: Back in June the OSU ITE Student Chapter celebrated an amazing 2014-2015 school year at Avery Park. The celebration was an unofficial graduation party for all the graduates and a chance for all the members with their families to relax. With over 30 people in attendance the BBQ was a huge success. The BBQ included great food and games. It also included a surprise water balloon fight! This was the perfect ending for the party and was a perfect start to a very hot summer. Some of the members continued the party by going bowling after the BBQ. This event is always one of the highlights of the year.



Fall BBQ, fall 2015: Each fall, one transportation professor kindly hosts a BBQ at their home. All incoming and current transportation students are welcome to attend. OSU ITE officers are always in attendance, making this a great first social interaction with peers and the chapter to get others involved. Just another way our chapter promotes membership, which has been successful.

OSU Volleyball, fall 2015: October 23rd the Women's Volleyball hosted the No. 1 USC Trojans



at Gill Coliseum. Oregon State had a match free of service errors, but still lost in four sets.

A small group of ITE members were at the game to cheer on the Beavers. It has become a tradition for the ITE Chapter to regularly attend sporting events on campus.

Pizza Party, fall 2015: The end of October for many meant that midterms ceased to exist and for others, well, the Chapter wished them good luck. A long enduring week should not go unnoticed and OSU ITE agreed. Several students gathered in the graduate offices to celebrate the completion of midterms, because who can turn down free food? A giant 26" pizza was devoured in a matter of minutes.



Intramural Dodgeball Tournament, winter 2015: Well, you know what they say....”if you can



dodge traffic, you can dodge a ball!”

Oregon State ITE used this as their team motto for the Intramural Dodgeball tournament held on February 6th at Dixon Recreation Center.

ITE members gathered the night before to make shirts as a collective team. Designs ranged, but centered on a common theme, keeping the team motto in mind. This was a great experience to test the art skills of engineers and to build some team comradery.



Enough people gathered on tournament day to form two teams. Each game was a best of three, and each team was guaranteed three games. While no ITE team

advanced, it was an epic display of athleticism by our members and everyone had a blast. Many members commented on how great it was to participate and look forward to the next sports outing by ITE.

OSU Men's Basketball, winter 2015: BEAVERS WIN! Beavers Men's basketball came from

behind to beat the Utah Utes in the regular season with just seconds left in the game.

The Beavs were down 69-68 when freshman Stephen Thompson Jr. caught the inbound pass with 2.2 seconds left. Clock ticking, a last-second half-court attempt goes up! Thompson is fouled then goes to the line and hits all three

free throws to secure the win. Nine ITE members witnessed this awesome game at Gill. Attending sporting events has become a tradition for the OSU ITE student chapter. We love showing our school spirit and we love our Beavers!

STUDENT AWARDS

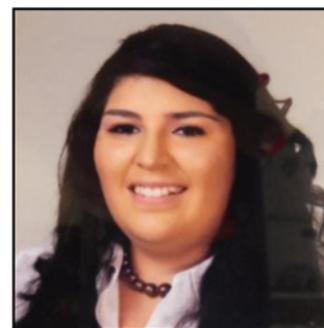
Andrea Mather, MS anticipated 2016

- PacTrans Outstanding Student of the Year
- Leadership Legacy Scholarship
- Lilo & Smith Fellowship



Elizabeth Rios, MS anticipated 2017

- Helene M. Overly Scholarship
- Portland Chapter candidate for International Helene M. Overly Scholarship



Kamilah Buker, MS anticipated 2017

- Oregon ITE Bill Kloos Scholarship



Shangjia Dong, PhD Student

- 2ns place poster at PacTrans Student Conference
- Lilo & Smith Fellowship



Masoud Ghodrat, PhD student

- 3rd place poster at PacTrans Student Conference

**Jason Anderson**, MS anticipated 2016

- Coral Sales Company Douglas P. Daniels Scholarship
- 2nd place at North American PCI Big Beam contest
- Lilo & Smith Fellowship

**David Covey**, MS anticipated 2016

- 2nd place design presentation at ITE Student Leadership Conference



STUDENT PUBLICATIONS

Journal Articles:

1. Abadi, M. G.*, **Hurwitz, D.**, & Brown, S. (in press) “Holistic and Iterative Development and Dissemination of Conceptual Traffic Signal Questions,” *Journal of Professional Issues in Engineering Education and Practice*, ASCE.
2. Neill, J.*, **Hurwitz, D.**, & Olsen, M. (2016) *Alternative Information Signs: An Evaluation of Driver Comprehension and Visual Attention*. *Journal of Transportation Engineering*, ASCE, Volume 142, Issues 1. <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29TE.1943-5436.0000807>
3. **Hurwitz, D.**, Miller, E., Jannat, M.*, Boyle, L., Brown, S., Abdel-Rahim, A., & Wang, H. (2016) “Improving Teenage Driver Perceptions Regarding the Impact of Distracted Driving in the Pacific Northwest,” *Journal of Transportation Safety & Security*, Volume 8, Issue 2, 148-163. <http://www.tandfonline.com/doi/full/10.1080/19439962.2014.997329>
4. Islam, M.*, **Hurwitz, D.**, & Macuga, K. (2016) “Improved Driver Responses at Intersections with Red Signal Countdown Timers,” *Transportation Research Part C: Emerging Technologies*, Volume 63, 207-221. <http://www.sciencedirect.com/science/article/pii/S0968090X15004246>
5. Dong, S.*, Wang, H., **Hurwitz, D.**, Zhang, G., & Shi, J. (2015) “Nonparametric Modeling of Vehicle-type Specific Headway Distribution in Freeway Work Zones,” *Journal of Transportation Engineering*, ASCE, Volume 141, Issue 11.
6. McMullen Starr, B., Ke, Y.*, Wang, H. (2016) “The Importance of Recognizing Locational Differences in Assessing the Impact of a Road User Charge: A Case Study of Oregon,” *Transportation Research Record*, submitted March 15th, 2016.
7. Wang, H., Mostafizi, A.*, Cramer, L. A., Cox, D., & Park, H. (2015). An agent-based model of a multimodal near-field tsunami evacuation: Decision-making and life safety. *Transportation Research Part C: Emerging Technologies*.

*: Indicates students who are members of the institute

Conference Papers:

1. **Hurwitz, D.**, Monsere, C., Jannat, M.*, Jennifer, W.* & Razmpa, A. (2016) “Toward Effective Design Treatments for Right-Hook Crashes at Intersections with Bicycle Traffic,” *17th Road Safety on Five Continents*, Rio de Janeiro, Brazil, March 15-17.
2. **Hurwitz, D.**, Monsere, C., Jannat, M.*, Jennifer, W.* & Razmpa, A. (2016) “An Explanatory Mechanism for Right-hook Crashes at Signalized Intersections,” *17th Road Safety on Five Continents*, Rio de Janeiro, Brazil, May 17-19.
3. McMullen Starr, B., Ke, Y.*, Wang, H. (2016) “Determinants of Vehicle Miles Travelled (VMT) in Oregon,” World Conference on Transport Research, Submitted August 1st, 2015.

Technical Reports:

1. **Hurwitz, D.**, Abadi, M.*, McCrea, S.*, Quayle, S. & Marnell, P. (2016) Smarter Red Clearance Extension Systems. Oregon Department of Transportation (ODOT), Salem, OR, 139p. http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2016/SPR773_Smart_Red_Clearance.pdf
2. **Hurwitz, D.**, Jannat, M.*, Warner, J.*, Monsere, C., & Razmpa, A. (2015) Towards Effective Design Treatment for Right-Turns at Intersections with Bicycle Traffic. Oregon Department of Transportation (ODOT), Salem, OR, 211p. http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2015/SPR767_FinalReport_070815.pdf
3. **Hurwitz, D.**, Olsen, M., and Neil, J.* (2015) Alternative Information Signs: An Evaluation of Driver Comprehension and visual Attention. Pacific Northwest Transportation Consortium (PacTrans) and Travel Oregon, Seattle, WA, 75p. <http://depts.washington.edu/pactrans/wp-content/uploads/2013/11/PacTrans-29-OSU-Hurwitz-et-all.pdf>
4. Gamatese, J. A., Jafarnejad, A.*. (2016). Evaluation of radar speed display for mobile maintenance operations (pp. 1-164, Publication No. OR-RD-16-09). Salem, OR: Oregon Department of Transportation. http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2015/RSS_Final_Report_OR_RD_16_09.pdf

***: Indicates students who are members of the institute**

CHAPTER ROSTER

The updated roster includes undergraduates who are chapter members, but not yet members of the institute. Of the 86 total chapter members, 50 are members of the institute and 16 graduate students joined just this year. Our chapter saw significant growth this year, compared to years previous, with a large number of undergrads joining to be more involved. A huge success can be attributed to our promotion through events, classroom visits, and outreach in newsletters and social media.

First	Last	Degree	Expected Graduation Date
Abram	Staples	B.S.	2016
*Aiman	Mahmoud	M.S.	2016
Alex	Bird	B.S.	2017
Alex	Warner	B.S.	2017
*Ali	Jafarnejad	M.S.	2016
*Alireza	Mostafizi	Ph.D	2019
*Amber	Meeks	B.S.	2018
*Amy	Wyman	B.S.	2017
*Andrea	Mather	M.S.	2016
Anthony	Quinn	B.S.	2016
*Caleb	Lennon	B.S.	2017
Chao	Chen	B.S.	2018
*Chen	Chen	M.S.	2017
Chukwuma	Nnaji	M.S.	2015
Daniel	Cicerchi	B.S.	2017
*David	Covey	M.S.	2016
*Dejan	Dudich	M.S.	2016
*Dylan	Anderson	M.S.	2015
*Edgar	Castro	M.S.	2016
*Efrain	Yarasca	Ph.D	2019
*Elizabeth	Rios	M.S.	2017
Eric	North	B.S.	2018
Gabriel	Cambraia	B.S.	2018
*Hameed	Mohammed	Ph.D	2019
*Hamsa	Zubaidi	Ph.D	2019
*Harith	Abdulsattar	Ph.D	2019
Hashim	Alyousef	B.S.	2016
*Hisham	Jashami	Ph.D	2020

Hongzhan	Chenji	M.S.	2016
Jack	Hogan	B.S.	2016
Jacob	Hoffman	B.S.	2016
Jakob	Neuenschwander	B.S.	2016
*James	Darnell	M.S.	2015
*Jasmine	Pahukula	M.S.	2015
*Jason	Pascoe	M.S.	2017
*Jason	Anderson	Ph.D	2020
Jeffery	Gordon	B.S.	2016
*Jennifer	Warner	M.S.	2015
Jes	Dodge	B.S.	2016
Jorge	Miranda	M.S.	2016
*Kaitlin	Littleford	B.S.	2017
*Kamilah	Buker	M.S.	2017
*Kangni	Jiang	B.S.	2015
Kayla	Fleskes	B.S.	2016
*Keisha	Villanueva	M.S.	2016
Ken	Ota	B.S.	2016
Kevin	Bowles	B.S.	2016
*Kevin	Bishop	B.S.	2018
Kevin	Coffey	B.S.	2016
Kip	Asato	B.S.	2016
*Kyaw	Htet	B.S.	2018
Kyle	Logan	B.S.	2016
Kyle	Kunze	B.S.	2018
Lauran	Lucas	B.S.	2018
*Logan	Scott-Deeter	B.S.	2019
Lucas	Qualman	B.S.	2016
*Masoud	Ghodrat Abadi	Ph.D	2019
*Matthew	Barner	M.S.	2016
*Merih	Wahid	Ph.D	2017
*Mostafa	Estaji	Ph.D	2020
*Nabeel	Al-Bdairi	Ph.D	2020
Nathan	deWilde	B.S.	2016
*Nathan	Jones	B.S.	2016
Nolan	Godfrey	B.S.	2018
*Patrick	Mahedy	B.S.	2015
Peter	Colton	B.S.	2017
*Rachel	Vogt	M.S.	2015
Rachel	Mau	B.S.	2016
*Rex	Davidson	B.S.	2015
*Romerson	Serejo Silva	B.S.	2015

*Sarah	McCrea	M.S.	2015
*Shangjia	Dong	Ph.D	2020
*Shashwath	Sreedhar	Ph.D	2019
*Shuchen	Han	M.S.	2016
*Sogol	Haddadi	M.S.	2017
Stephanie	Gallardo	B.S.	2018
Stephanie	Lockett	B.S.	2018
Sulaiman	Alarifi	B.S.	2018
*Tianjiao	Li	M.S.	2016
Timothy	Lloyd	B.S.	2016
Travis	Grenz	B.S.	2016
Tyler	Oathes	B.S.	2018
*Xuteng	Tang	M.S.	2015
*Yue	Ke	Ph.D	2019
*Yuqi	Zhang	M.S.	2016
*Zachary	Barlow	M.S.	2017

**: Indicates students who are members of the institute*

B.S.: 47

M.S.: 27

Ph.D: 14

Total: 86