



Beaver Crossing OSU ITE Newsletter

Oregon State University Institute of Transportation Engineers Student Chapter

Volume 1, Issue 3

Winter 2015

Calendar of Events

**3/30/2015:
Spring Term Starts**

**4/1/2015:
Annual Report Due**

**6/12/2015: OSU
Commencement**

**TBD:
Spring Term Speaker
meeting and field
trip**

Moving Oregon Annual Meeting:

The Oregon State University Student Chapter had the opportunity to host a joint meeting with the Greater Oregon ITE Professional Chapter.

The meeting started with a tour of new construction projects on campus and a tour of the Driving Simulator Lab.

After the tour Galen McGill from ODOT spoke on intelligent transportation systems. Scott Harmon



Driving Simulation Tour at OSU

from David Evans and Associates spoke specifically on the new intelligent transportation projects in Portland. Both speakers gave informative and interesting talks on the subject.

After the speakers we enjoyed a social hour and posters of current research at Oregon State in Transportation. OSU ITE's Vice President Jennifer Warner and Treasurer Sarah McCrea presented on their research.

The social hour was followed by a buffet dinner and key note speech by Ed Fischer. The topic for the key note was the history of transportation engineering in the state of Oregon. Highlights of the speech were seeing the original trunk line map for the state and historic photos of bridges in Portland.

Overall the event was a huge success! Thank you for everyone who volunteered there time!!!



Students Collecting Data

Data Collection

Over the last week in February and first week in March the chapter had the opportunity to collect vehicle data at location coffee shops. The data included service times at the window and queue lengths. This was for the Western District ITE data collection project. Students were able to grow their skills in data collection and gain real world experience. Students spent 6 hours for 6 days at 3 different coffee shops in Cor-

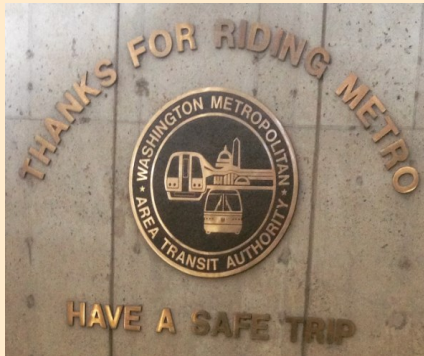
vallis. This included AM peak, PM peak, and weekends. The highlight of the data collection was seeing the sunrise of the distance Cascade Mountains. Now the chapter is working on finishing the report that will be turned into ITE Western District. We would like to thank all of the local business that allowed us to collect data at their place of business and Kelly Snowdon for acting as our mentor on the project.

TRB Conference

Transportation Research Board Annual Conference hosted at the Washington D.C. Convention Center from January 12-15 2015.

Students Experiences at TRB

Over a chilly week in January the Transportation Research Board meet for their annual meeting in Washington D.C. This year Oregon State University was able to send 12 students to the conference. The ITE Student Chapter helped organize the students who were attending. This included the logistics of booking air travel, motels, and transportation in the Nation's Capital. The



Sign at Dulles International Airport

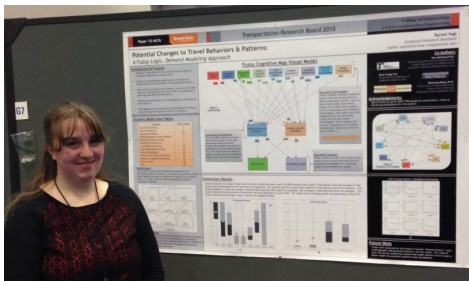
student's attended podium speakers on a wide range of topics including public transition, pedestrians, bicycles, leadership in the field, and freight movement. Students were also able to network at receptions throughout the conference. Some of the highlights were the WTS, PacTrans, and Young Professional Receptions. Posters sessions can concurrently with the podium speeches and students were able to stretch their legs and learn about a broad range of topics during the session. While in Washington D.C. students had to opportunity to experience mass transit when they traveled to and from the airport on Metro. Overall, the students were able to learn a great deal about the current research in transportation and are grateful for the experience.



The OSU Student Delegation riding Metro

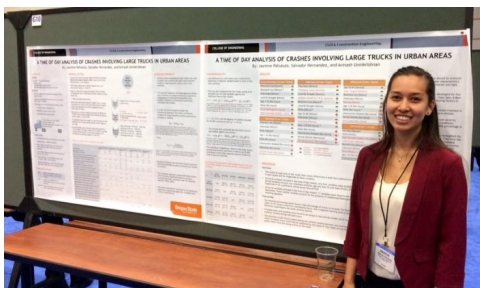
Members Presenting at TRB

At TRB the ITE Student Chapter has the honor of having four of our members present research. Two of the student were Eisenhower Research Fellows. President Rachel



Rachel Vogt presented at TRB

Vogt presented her research on changes to travel behavior during a poster session and Dylan Anderson presented on design of transit stations. Shangjia Dong, ITE Event Coordinator, presented a poster on highway forecasting and long time member Jasmine Pahukula



Jasmine P presenting at TRB

presented a poster on large trucks in urban areas. All of these students gave amazing presentation and made the chapter very proud.

Awards

During the conference two of our student members received outstanding awards. OSU ITE's Vice President Jennifer Warner won the Michael Kyte Award from Region Ten. This award was presented to Jennifer at the PacTrans reception on January 13th. The award is presented to a student how excels in research, academics and leadership. Dylan Anderson (OSU's AREMA Student Chapter



Dylan Anderson with the Eisenhower speech award

President) won the top oral presentation for the Eisenhower . This award is given to the Eisenhower Scholar who gave the best presentation during there 10 minute presentation showcase. Congratulations to Jennifer and Dylan for these awards.



Jennifer Warner with the Michael Kyte Award

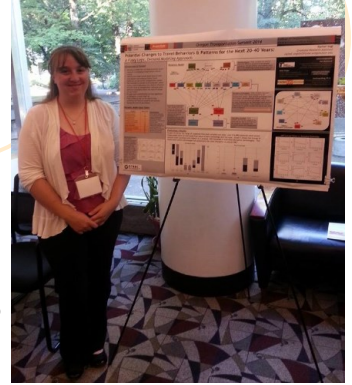
Student Research-

By Rachel Vogt

Below is the abstract from Rachel Vogt's paper:

"The future of travel will be affected by a number of disruptive changes, including advancements in vehicle technology, such as automated vehicles, changes in population demographics and the economy, and lifestyle changes. It is difficult to say just how much each change will affect the amount and type of travel in the future, especially given the amount of uncertainty there is regarding the trajectory of these changes and their effects. The authors examined changes that are likely to affect transportation behaviors in the future, developed a "fuzzy cognitive map" (FCM) of the relationships, and used the FCM model to investigate the effects of those relationships. The results of the study show that FCM models offer a promising method for transportation planners to enhance their ability to reason about system effects when quantitative information is limited and uncertain. More specifically, the results provide some initial guidance on the potential impacts of disruptive changes on future travel, which may help in targeting limited research funds on the most consequential potential changes."

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Rachel with her research



OSU Delegation

Student Leadership Summit

During February 13th – 15th, Andrea Mather and Shangjia Dong represented OSU ITE student chapter and attended the 2nd Annual ITE Student Leadership Summit at Sacramento State University. Through the three days event, they listened to inspiring talks from professors and professionals, learned leadership principles, and enjoyed social events like BBQ and banquet with students from other universities. The speed interview provided students the opportunities to talk to professionals, and the feedback helped them better prepare themselves for the future interviews. During the Public Service Announcement competition, the students are able to quickly design a project and presentation and work on team collaboration and presentation skills. Among the 16 teams, we are excited to announce that Andrea Mather's team won first place in the competition. The judges and students were all impressed by the uniqueness of the presentation. It was a short three days conference, but the connection they built will last for their career. Thank you again to everyone from Sacramento State and looking forward to going to Cal Poly Pomona next year. **Together, we are the best!**

Current Members, Faculty, Alumni, and Friends:

With my graduation date and officer elections both quickly approaching, I thought that this month's Officers Corner would be a great opportunity for me to share my experiences in the OSU ITE Student Chapter, and the many benefits I have found of being an officer over the past three years.

I first gained an interest in transportation while taking my first introduction to highway engineering course; I really felt that transportation engineering was a way that I could use my skills to help everyday people. OSU ITE Student Chapter Speaker meetings were often announced in the class, and I attended as many as I could. So naturally when OSU ITE had an opening for an undergraduate to be an officer. The position was to announce OSU ITE events to undergraduate classes, and I thought to myself, "I go to all these events anyways, I might as well get involved!"

Joining the OSU ITE Student Chapter opened so many doors for me. It put me in close personal contact with graduate stu-

"I go to all these events anyways, I might as well get involved!"

Officer's Corner

dents and professors who may not have even known my name otherwise, and are now willing to provide me with references and letters of recommendation. I was invited to events with professionals ranging from the yearly Bill Kloos Traffic Bowl in Portland, OR, to the Transportation Research Board annual meeting in Washington, DC.

I've been a part of planning numerous speaker meetings, social events, and even the Greater Oregon ITE Annual Meeting, which OSU had the pleasure of hosting this year.

Before OSU ITE I was never very involved outside of class, and since I decided to join, I wished I had gotten more involved earlier. Not only does it look good on a resume, it gives you an invaluable head start when entering the career world. So to all you students out there on the fence, come

check out OSU ITE! There are many openings this year, and I'm excited to see what future students will bring to the chapter.

Allie Peters
Social Media Coordinator

Graduate Research Expo

Students Presented at COE Expo

The inaugural College Wide Graduate Research Expo was held at the Portland Convention Center in early March. The event contained almost all of the student research in the College of Engineering at Oregon State. The opening remarks from Dean Ashford highlighted some of the research at Oregon State and the effects of

that research of the economy of Oregon. 12 of our members presented their research at the expo. Shangjia Dong, ITE Event Coordinator, won the Grade Prize for the School of Civil and Construction Engineering for the best poster presentation.



ITE Delegation at the Expo

AREMA

The ITE Student Chapter has had the privilege to work with the AREMA (American Railway Engineering of Way Association) Student Chapter on many event over the course of the year.

This includes a field trip a rail yard in Albany, Or and a speaker meeting with BNSF. We look forward to working closely with the AREMA student chapter over the coming months.



Students at the Albany Railyard

Winter Social Events

Even with a busy term of conferences and meetings the chapter still made time relax. The club went to the Oregon State Men's Basketball game against UCLA. The group sat in floor student section was could hear Coach Tinkle yelling from across the floor. It was a great time to cheer on the Beavers! The best part of the night was silence in Gill Coliseum during the critical free throws in the final minutes and the eruption of cheers when Beavers won! It was a great night to be a Beav!



Students at the OSU Basketball

Also the club went out to the newly open 'Old Spaghetti Factory' located in the old train station downtown. The joke of the night was to see who could last the longest without bring up transportation. We only lasted about 20 minutes.

Both events were great and we are looking forward to more outside socials this spring.



Students at Friday Night Dinner



Beaver Crossing is written and produced by Andrea Mather, Secretary for the OSU ITE Student Chapter. Comments and Questions about this publication can be sent to mathera@onid.oregonstate.edu

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This is the Official Newsletter Publication of the Oregon State University Student Chapter of the Institute of Transportation Engineers

GO BEAVERS!