



Annual Report

2018 - 2019

Institute of Transportation Engineers



TAMU-ITE



texite.org/tamu



@ITETAMU



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Overview

Student Chapter Officers

President	Xiaoyu (Sky) Guo
Vice President for Technical Activities	Ankit Jhamb
Vice President for Outreach	Kentaro Iio
Treasurer	Isha Narsaria
Secretary	Vivek Gupta
Project Coordinators	Mounica Nagulapally
Webmaster/Publicist	Saipraneeth Devunuri
Office Manager	Xiang Fang
Librarian	Sruthi Ashraf

Student Chapter Membership

Number of Student Chapter Members	51*
Number of Student Members of The Institute	51**
Number of Students eligible to be Student Members of the Institute	865**
Number of Faculty Members who are current ITE Members	7

Information on Transportation Engineering Enrollment

Number of Undergraduate Students (sophomore – senior) in Academic Department: **768**

Full Time: 62 Part Time: 706

Does your curriculum allow undergraduate students to major or minor in transportation: **No**

Number of Graduate Students in Transportation: **97******

Full Time: 96* Part Time: 1

Student Chapter Activities Summary

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Roster of Student Chapter Members

Page 26

*Total of student members in TAMU ITE Student Chapter

** Total of student members in TAMU ITE Student Chapter enrolling in Texas A&M University

***Total of full time and part time Transportation Engineering and Materials graduate students and Civil Engineering (sophomore-senior) undergraduate students

****Total of full time and part time Transportation and Materials Engineering graduate students

A Message from the Faculty Advisor



Howdy! The TAMUite student chapter is among the largest in the nation. The Texas A&M University and the Zachry Department of Civil Engineering are both committed to supporting the TAMUite activities. Each year, with the support financial and otherwise from these and other sources, TAMUite is able to conduct many activities that otherwise would not be possible. Importantly, this student chapter gives its members the opportunity to enrich their knowledge on various aspects of transportation.

Of the events and achievements of the past year, there are a few in particular that I would like to share with the ITE community. You will also see them covered later in the report.

- Many TAMUite are active in research, with many members being supported by either the Civil Engineering Department or the Texas A&M Transportation Institute (TTI). Researchers at TTI are gracious and willing supporters of TAMUite activities.
- Highlighting their focus on research, TAMUite members attended many conferences this year, presenting at the biannual TexITE meetings, the international ITE meeting, and the annual TRB meeting.
- Membership is growing and diverse. In addition to members in Transportation Engineering, the chapter includes members from other specialty areas such as Urban Planning, Materials Engineering, and Construction Engineering. These members actively participate in the many student-run events offered by this chapter.
- TAMUite gave back to the community by teaching elementary students about some of the exciting opportunities in transportation while maintaining its role in the service programs of Adopt-A-Highway and Big Event.
- The chapter had ten speakers in the past year, many from outside of the local region, including from Houston, Dallas, and Washington state.

I would like to thank all who have supported the TAMUite chapter in the past. I would also like to thank all the member students for actively participating in the various activities, including winning 2nd place in the national Traffic Blow Competition, and contributing their time to make these activities a success. In particular, the efforts of the officers and the leadership team, headed by the current president Xiaoyu (Sky) Guo and the past President Jayson Stibbe, made the chapter activities possible!

Sincerely,

Dr. Bruce Wang

A handwritten signature in black ink, appearing to read "Bruce Wang".

Faculty Advisor

Phone: 979.845.9901

A Message from the President



Howdy from the TAMUite Student Chapter!

The 2018-2019 Texas A&M University Institute of Transportation Engineers Student Chapter (TAMUite) had a tremendous year and are proud to present our annual report with you. From April 2018 to March 2019, we have hosted **10 general meetings** to hear and discuss with professionals. We have been able to supplement our university funding by **performing traffic movement counts** with local consulting firms. The chapter went on **2 technical field trips** to Visibility Lab in Texas A&M Transportation Institution and Capital Metro in Austin, where members have practical learning experiences. With the supports of the Texas A&M Civil Engineering Department, TexITE and International ITE, we were able to send our members to ITE meetings and other research conferences. TAMUite is honored to report that we had **the highest attendances in both bi-annual meetings among Texas ITE student chapters in 2018**. The chapter would like to thank all sponsors for supporting our members to have invaluable conference experiences. In total, **our members attended more than five conferences**, including 2 members to ITE Leadership Summit in University of Massachusetts - Amherst, 9 members to TexITE Spring Meeting in Keystone Colorado, 4 members to ITE Annual Meeting in Minneapolis Minnesota, 9 members to TexITE Fall Meeting in Houston Texas. In the TexITE Fall Meeting, TAMUite **organized and hosted the TexITE Student Leadership Forum**. More than 70% of student attendance joint us for the leadership forum and found useful by interviewing and networking with professionals. Further, we would like to highlight the successes brought by our Traffic Bowl team. We **won Texas District Traffic Bowl Champions** and **earned the second place at the ITE International Collegiate Traffic Bowl Grand Championship**. The chapter realized the importance of giving back to the community, and so made time to **participate in the Big Event and host Adopt-A-Highway**. We joint **Technology Science Night in Southwood Valley Elementary School** to teach the elementary students about retro reflectivity and innovative automations! Moreover, we carved out time to socialize and welcome new members through a barbecue social, ice skating and the game nights.

I have greatly appreciated serving as president this year and would like to extend my appreciation to 2018 TAMUite Board leaded by Jayson Stibbe. In 2019, we will promote more professional developments and support a variety of technical involvements. We are looking forward to building an exciting, diverse, and inclusive professional student chapter. I hope you enjoy reading about our activities as much as we enjoyed experiencing them!

Thanks and Gig 'Em!

Xiaoyu (Sky) Guo



Email: tamuite.president@gmail.com

March 1st, 2019

2018 Board & 2019 Board Members



2019 Board Members



2018 Board Members

	2019 Board Members	2018 Board Members
President	Xiaoyu (Sky) Guo (2 nd from the right)	Jayson Stibbe (1 st from left)
VP Tech	Ankit Jhamb (1 st from the left)	Sruthi Ashraf (3 rd from the left)
VP Social	Kentaro Iio (3 rd from the right)	Kallyse Duddlesten, Kentaro Iio (1 st from the right)
Treasurer	Isha Narsaria (3 rd from the left)	Shashank Krishnamurthy (3 rd from the right)
Secretary	Vivek Gupta (2 nd from the left)	Xiaoyu (Sky) Guo (4 th from the right)
Publicist	Saipraneeth Devunuri (4 th from the right)	Aman Sharma (2 nd from the left)
Project Coordinator	Mounica Nagulapally	Srivatsan Desikan (2 nd from the right)
Office Manager	Xiang Fang (1 st from the right)	Iman Maryam Rahim (front row, 2 nd from the left)
Librarian	Sruthi Ashraf	

Summary of Student Chapter Activities

GENERAL MEETINGS

During the school year, general meetings are held each month to expose our members to a variety of transportation topics. They offer a chance to connect with industry and research professionals. Members are able to ask technical questions, gain important insight on what goes into transportation projects, and receive critical career advice from transportation professionals. These meetings have had a consistent attendance record of 20 to 30 students.

Mr. Rick Ryan

Apr. 19, 2018



Demystifying Litigation: What Litigation Is And How It Works

Mr. Ryan was involved in several studies, responsible for Speed Zoning, supervised the change when the National 55 Speed Limit was rescinded and supported the Caltrans Legal Division. This presentation will mainly explain how the litigation process works and the role of an engineer in litigation. Many students were really interested in the process of litigation, they asked several questions about that and they got the satisfied answer from Mr. Ryan.

Safety Evaluation of Cross-Sectional Elements of Freeway Managed Lanes

Dr. Avelar was an Associate Research Engineer and Roadway Safety Program Manager at the Texas A&M Transportation Institute (TTI). He would talk about the summary of work and results of a recently completed project sponsored by FHWA that collected and analyzed safety data from Texas and California. The analysis was quite difficult to understand because of the intricate concepts, but Dr. Avelar explained in a easy way for undergraduate students.

Mr. Raul Avelar

Apr. 23, 2018



Summary of Student Chapter Activities

GENERAL MEETINGS

**Mr. Dan Hennessey,
P.E., PTOE**
Sept. 24, 2018



Transportation Planning in the 21st Century

Mr. Dan Hennessey had stupendous understanding in multimodal transportation planning design, and traffic operation analysis. He would present Transit Oriented Demand Planning, City of San Francisco Vision Zero and City of Richardson Signal system projects. During the presentation he would show number of ways that BIG RES DOG has been re-thinking priorities in our cities. Students were really surprised at the knowledgeable of Mr. Dan. The number of ways of re-thinking priorities were innovation and practical.

Opportunities in The Transportation Consulting Industry

As the President of Lee Engineering, Mr. Short was actively involved with implementing business strategies, overseeing company operations, and working closely with his team to provide the highest level of service to clients. Mr. Jody Short would be presenting on some of the recent transportation operations projects done by Lee Engineering. In this meeting, Mr. Short was really proud of those projects which were done by his company, he gave us an outline of how to make those projects more efficiently. Each of us were really interested in this topic

Mr. Jody Short, PTOE

Oct. 02, 2018



Mr. Jim Dale
Oct. 30, 2018



Challenges faced by City of Austin in Transportation

Jim was the Assistant Director for the City of Austin Transportation Department. Jim's topic was some challenges faced by City of Austin in Transportation sector. He would also present the interesting solutions that they had implemented so far. Mr. Jim let audience know the real challenge in Transportation sector of Austin and students were really curious about how he figured it out.

Summary of Student Chapter Activities

GENERAL MEETINGS

Mr. Alonzo Liñán

Nov. 19, 2018



Roundabouts: The Opportunity to be a Creative Engineer

Mr. Liñán is a 30-year veteran in transportation and civil engineering. The topic was interesting and innovative, it mainly contained many new kinds of roundabouts in some big cities which made the traffic in those areas fluently. Audience asked some questions on the future roundabouts which were thoughtful, and the speaker talked about in his own perspective and it was really good.

Transportation Management during Superbowl

Mr. Thomas Duncan, P.E. and Director of Traffic Engineering at Walter P Moore will be presenting on traffic management during the Superbowl. They would talk about some detail of some of the efforts Walter P Moore took to handle the downtown event traffic. The presentation was good and the students really enjoyed it.

Mr. Thomas Duncan, P.E

Nov. 28, 2019



Mr. Michael W. Copeland

Jan. 28, 2019



Transportation: A Consulting Business Perspective

Michael is a transportation planning consultant with over 32 years' experience ranging from data collection to managing investment grade traffic and revenue studies for multi-billion-dollar toll road bond financing efforts. He guided about managing company clients and building relationships for long term. Also, he discussed about how to train and develop a team which adapts to the evolving technologies in the market. This shall help the growth of the employees as well as company.

Summary of Student Chapter Activities

GENERAL MEETINGS

Dr. James Robertson,
PhD, P.E., PTOE
Feb. 11, 2019



Accommodating Pedestrians at Traffic Signal near Rail-Road Grade Crossings

James is a 2010 Eno fellow, 2012 Eisenhower fellow and 2015 Leadership ITE Graduate. He has over 10 years of cumulative experience including transportation research, consulting as well as dealing with municipal authorities. His discussion about inclusion of pedestrian clearance time within the advance warning time provided by railroad, was enriching experience for attendees.

TECHNICAL WORKSHOPS

TAMUite Board prepared technical workshops for students to gain practical knowledge on conference presentations, traffic, transportation, planning, vehicular simulation and data analysis programming and software.

Mr. Marcus Brewer,
PE, PMP
Dec. 07, 2018



TRB Presentations and Preparations

TAMUite invited Mr. Marcus Brewer, PE, PMP, the Researcher Engineer from TTI Roadway Design Group to present on some features and preparations for TRB along with presentation tips. This workshop was designed for those presenting at the TRB for the first time, those who are returning and would like more tips, and those who are not attending this year but are interested in learning more about the TRB.

R and Applications in Natural Language Processing (NLP)

Dr. Subasish Das has been working as an Associate Transportation Researcher at TTI. His primary fields of research interest are roadway safety, roadway design, and associated operational issues. This workshop served as an introduction to using popular NLP related R tools in transportation studies. Dr. Das generally provided us all supporting codes and instructions. To participate in this workshop, there was no need of having any previous knowledge of text mining.

Dr. Subasish Das

Feb. 21, 2019



Summary of Student Chapter Activities

TECHNICAL PROJECTS

Technical projects are taken up by TAMUite student chapter every year and this year 4 projects were conducted. Three traffic count projects for Binkley and Barfield and one for Texas A&M Transportation Institute (the project that occurred in January 2018 is explained in the previous annual report). These projects not only provide a great learning experience for officers and students but also serves as a source of additional revenue for the student chapter.

Parking study – Texas A&M University



A parking and occupancy study was conducted on Game Day (October 6, 2018) from 1:00 PM to 6:00 PM as per the instructions of Dr. Tim Lomax. The objective of the study was to find out the impact of increased parking charges on carpooling behavior and payment methods. A total of 5 students conducted the study at different parking lots, namely lots No. 47, 50, 51 and fan field near the TTI building, West Campus. They recorded the number of passengers in each vehicle approaching the parking lots. They also noted whether they paid the parking fee through cash, college ID or app. The project added a total of \$800 profit to the chapter account.

Traffic Count Study – Bryan/College station

The vehicle turning movement study happened in March 2018 involved 6 intersections in BCS area and 7 counters. For the easiness of training and management of surveyors, the study was conducted in 2 days. TAMUite made a profit of \$1,100 from the initial set-up, data collection and data processing.



Traffic Count Study – South College Station

Vehicular turning movements were collected from 5 intersections at morning peak hours (7:00-9:00 AM) and evening peak hours (4:00-6:00 PM) on November 14, 2018. Priority was given to the documentation of heavy vehicle movements because of an existing bus depot. TAMUite deployed 10 surveyors for this purpose and made a profit of \$700.

Summary of Student Chapter Activities

TECHNICAL CONFERENCES

Our student chapter officers and members make sure that TAMUite is well represented in district and annual ITE conferences, leadership summits, the annual TRB conference and other research conferences. These venues are opportunities for our students for networking, showcasing their research, learning about advancements in transportation fields, and developing themselves as people. The chapter members would like to extend their sincere gratitude and appreciation to Zachry Department of Civil Engineering, office of Graduate and Professional Studies, TexITE, and ITE for financially supporting our students to attend these conferences.

Student Leadership Summit (April 2018): University of Massachusetts, Amherst



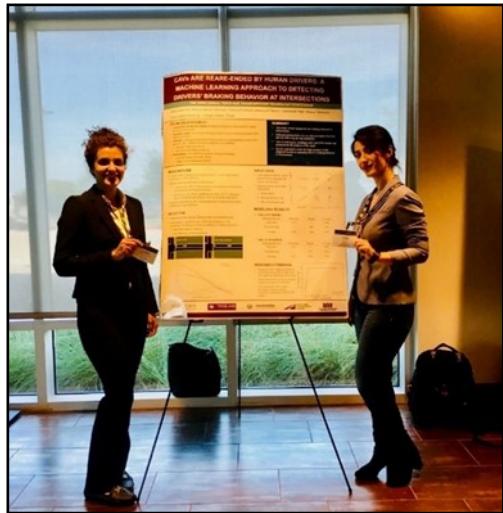
TAMUite sent two of its members, Sruthi Ashraf and Malik Kashan, to UMass Amherst to participate in Northeastern/Mid-Colonial District ITE Student Leadership Summit during April 2018. It was a 3-day event (April 13 – April 15) and TAMUite sponsored all their expenses. Our members attended panel discussions, seminars, resume workshop, speed interview sessions and other social events including campus tour and game night. They were paired up with other university students for the poster competition session. They had the privilege to witness the district level traffic bowl competition. Sponsoring our students to attend such events will enhance their soft skills which in turn make them provide a guidance when TAMUite conducts similar events. Their inputs were valuable for the chapter when it conducted a mini leadership session in TEXite conference later in 2018. These efforts help us with our networking and collaborative ventures too.



Summary of Student Chapter Activities

TECHNICAL CONFERENCES

3rd Annual Texas A&M Technology Conference (May 2018): Bryan, Texas



The 3rd Annual Texas A&M Technology Conference was hosted from May 7th to 9th in Bryan Texas. Texas A&M Transportation Institution and Zachry Department of Civil Engineering supported at least three TAMUite members, Yalda Rahmati (right), Arezoo Samimi (left) and Xiaoyu (Sky) Guo to attend and present their research in the conference. During the first day of conference, members joined the Center for Infrastructure Renewal Tour and visited the RELLIS Campus, a new research facility in Texas A&M University System. On the morning of second conference day, the Assistant Agency Director of TTI, Christopher Poe gave a speech in the overview of Texas A&M Transportation Technology Initiatives. Many members were excited to hear the rising technological project on campus or off campus in the City of Bryan/College Station or within the State of Texas. In the later part of the second day, Brian Cronin, the Director of the Office of Operations Research and Development, FHWA presented the Federal Highway Administration's Cooperative Automation Research. Yalda and Sky are with research focuses on CAVs (connected and automated vehicles) and CADS (cooperative automated driving systems). They both found helpful to hear about ongoing FHWA supported projects in these research areas. On the last day of the conference, the closing panel discussion was impressive. The topic was on "Collaboration to Accelerate Deployment". TAMUite members appreciated the chance to attend the Technology Conference to learn and involve in researches in Texas A&M University System.

TTI Day (May 2018): College Station, Texas

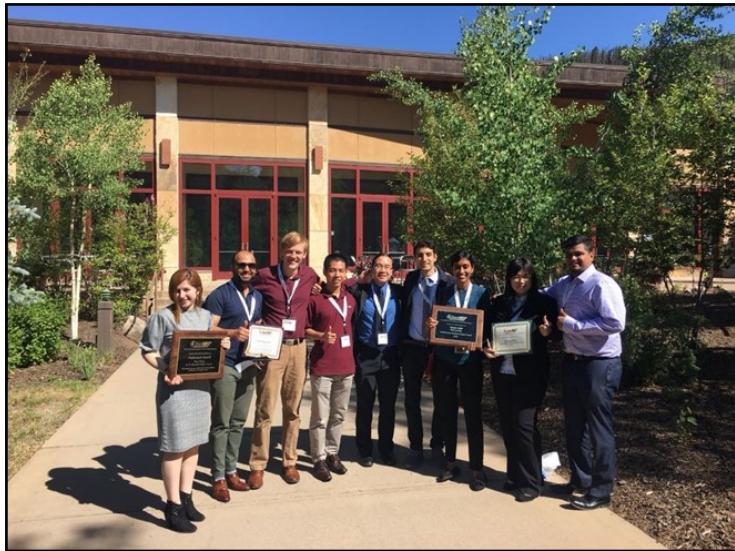
The 2018 TTI Day was held on May 18th in the Texas A&M University Rec Center. Jayson Stibbe, Xiaoyu (Sky) Guo, Yongxin Peng, Yi Meng and Apoorba Bibeka participated. This award ceremony and networking event was organized by the Texas A&M Transportation Institute (TTI). The program started at 10:30 am with opening remarks from Gregory D. Winfree, the Director of TTI. Awards were given to employees on different categories. The researchers from different facilities and students participated in dominos, volleyball, basketball, board games after the opening lunch.



Summary of Student Chapter Activities

TECHNICAL CONFERENCES

TexITE Spring 2018 Meeting (June 2018): Keystone, Colorado



The 2018 Spring TexITE meeting was in collaboration with Western District and took place in Keystone, Colorado from June 23 to 27. TAMUite was able to support 9 members (including 3 officers) to attend the conference and communicate with transportation engineering and planning professionals and students from Western and Texas Districts. Students attended various offered workshops, seminars to learn about some of the many current, important issues in transportation engineering. Two members presented in a podium and a poster presentation during the conference. TAMUite joined in several student activities, such as the James H. Kell Student Competition, Student Chapter Leadership Forum, Student/Young Professional Track. During the Spring

TexITE, TAMUite Traffic Bowl Team (Jayson Stibbe, Divya Pappu, Kentaro Iio and Xiaoyu (Sky) Guo) competed with University of Texas-Austin and University of Texas-Arlington and won the championship in Texas District! Their coach Kartikeya Jha and other TAMUite members were there to cheer for them. Moreover, TAMUite members bagged 1st and 2nd place of the Best Student Paper and the Texas District Fellowship. TAMUITE Student Chapter awarded the Outstanding Chapter of Year 2018 and the best participation award in Spring TexITE.



Summary of Student Chapter Activities

TECHNICAL CONFERENCES

ITE 2018 Annual Meeting (August 2018): Minneapolis, Minnesota



The 2018 ITE Annual Meeting was held in Minneapolis, Minnesota, from August 20th to 23rd. Four TAMUite members participated in this meeting. The highlight of this attendance is the participation in the 2018 ITE International Collegiate Traffic Bowl. Four traffic bowl team members prepared for the game since January, 2018. They volunteered their time and met bi-weekly to study materials related to Traffic Bowl. The Collegiate Traffic Bowl was hosted on the August 21st. Featuring champions from the Canadian ITE district and the 8 U.S. ITE district were together to compete in the Collegiate Traffic Bowl Grand Championship.

We played the first round in the third Semifinal with Purdue University, and University of Massachusetts, Amherst. This round was very close and we were able to catch up and win in the last category, "MUTCD History." In the final round, we competed with University of South Florida, and Pennsylvania State University and took home second place. TAMUite Traffic Bowl Team and TAMUite Student Chapter would like to thank all the supports from TexITE, and ITE International. Jason Crawford (1st from left), Brian Moen (2nd from left), Dale Picha (1st from right), and many other TexITE professionals were there to cheer us.



Summary of Student Chapter Activities

TECHNICAL CONFERENCES

TexITE Fall 2018 Meeting (October 2018): Houston, Texas



The Fall 2018 TexITE Meeting was held from November 7th to November 9th, 2018 in Houston, TX. Students were able to attend technical sessions, student poster sessions and had a chance to meet diverse cross-section of fellow engineers, planners, students from the chapters of other universities, and technologists from throughout Texas and the United States. Seminars were provided on ITS Project Planning and TSMO, Innovative Intersections/Roundabouts, Advanced Traffic Management Systems (ATMS), Complete Streets and Connected/Automated Vehicles. This meeting helped new students to familiarize themselves with ongoing ITE and other activities in Transportation and encouraged a few of them to work for ITE through our student chapter in TAMU.

Members attending the TexITE Conference also enjoyed a Joint Meeting Social and TexITE Younger Members Late Night Social in downtown Houston.

TexITE Student Leadership Forum (October 2018): Houston, Texas

TAMUite organized and hosted the TexITE Student Leadership Forum (SLF) in the afternoon on November 9th in the TexITE Fall Meeting. Our 2018 president Jayson Stibbe was in charge of the Mock Interviews and current president Xiaoyu (Sky) Guo hosted the Round Table Discussion with ITE leaderships and transportation professionals. More than 70% of student attendance joined us for the leadership forum and found useful by interviewing and networking with professionals. We would especially thank you for the supports from TexITE to make this leadership forum happen. Thank you for Jason Crawford, Randy McCourt, Dave Carter, and Mohan Prasanth Atluri talking with Texas Students about their thoughts in on-going transportation hot issues, like Vision Zero, CAVs Technologies.



Summary of Student Chapter Activities

TECHNICAL CONFERENCES

Transportation Research Board 98th Annual Meeting (January 2019): Washington, DC



This year, more than 10 TAMUite members were sponsored by either the Zachry Department of Civil Engineering, Office of Graduate and Professional Studies, TTI and other funding sources to attend the TRB 98th Annual Meeting in Washington, D.C. from January 13th to January 17th, 2019. By participating in the meeting, members explored popular transportation trends and socialized with peers, professionals, and companies coming from all around the world. TAMUite members performed actively in the meeting by presenting at least 8 posters and 4 podium presentations. TAMUite hosted a Coffee Break opening to all current TAMUite members and previous members. Yalda Rahmati (1st from left), Jayson Stibbe (2nd from left), Sruthi Ashraf (3rd from left), Xiaoyu (Sky) Guo (3rd from right), Kentaro Iio (2nd from right) and Chaolun Ma (1st from right) participated in the break session. Moreover, TAMUite members networked with other student chapters and ITE staff during the ITE TRB Reception in ITE headquarters this year.

Summary of Student Chapter Activities

FIELD TRIPS

2018 Summer Field Trip – Visibility Lab – Texas A&M Transportation Institute



TAMUite conducted its summer field trip to visibility research laboratory at Texas A&M Transportation Institute. It is located in TTI headquarters in College Station and one of its kind in a university setting. This lab provides a whole new way to conduct and develop standardized testing for nighttime visibility research. It features a 125-foot-long tunnel to test materials used for traffic signs and pavement markings.

The participants who signed up for the event met at 12:00 and proceeded to lab after lunch. Researchers at TTI explained the importance of the visibility lab in conducting research and our members got the chance to have hands on experience with the equipment.

2018 Fall Field Trip – Capital Metro - Austin

A field trip to Capital Metro, the public transportation agency located in Austin, was organized on November. 16, 2018. A total of 13 students from various disciplines visited the office. Capital Metro operates the buses, rails and para-transit throughout the city and it was discussed how these are interconnected to ensure people could travel in all the areas both within the downtown and the far-off places in the Austin city and sub-urban areas. This was an interactive field trip that used a combination of techniques to make us experience their daily operations. The planning department gave an insight into the implementation of the changes proposed in some of the bus routes to improve the overall efficiency of operations with minimum impact to the daily riders. The department's vision to implement the autonomous shuttle pilots and electric vehicles in public sector received much enthusiasm from the audience. The discussions were followed by a visit to Plaza Saltillo light rail station where the students were informed about the future developments in the surrounding areas and how it would help in increasing the ridership soon. Meanwhile, a travel in the light rail was arranged to the downtown station which was followed by a small casual conversation on their revenue model. The tour ended with a dinner and walk in the downtown.



Summary of Student Chapter Activities

SOCIAL EVENTS

Summer 2018 Social with BVITE

The BVITE / TAMUite Summer Social is on June 24th, 2018 this year. Members of TAMUite joined the Brazos Valley ITE (BVITE) section at the Wunderlich Ranch for their summer social. The social was full of networking opportunities for chapter members to meet with transportation professionals in the local Brazos Valley area.



Fall 2018 Student-Faculty Cookout

On September 9, 2018, TAMUite hosted a grilling social at Stephen C. Beachy Central Park in College Station. Students, faculty members, and their families spent a few hours cooking and playing basketball. This event provided a great opportunity for new chapter members to get to know each other.activities.

Jack-o'-Lantern Contest

As future engineers, we believe that it is essential to get our hands dirty. Last year, TAMUite organized a Jack-o'-lantern contest at Stephen C. Beachy Central Park on October 28. While having a casual cookout, three teams enjoyed carving pumpkins. The winners were officially awarded high-quality Texas A&M cups. We also enjoyed the spooky photo shoot.



Ice Skating Social

As a winter social event, TAMUite hosted an ice skating social at Spirit Ice Arena on February 10, 2019. More than 15 members skated on the ice rink. Even though most of the members did not have experience in ice skating, we quickly learned how. In addition, we learned that it is important to "BE PREPARED TO STOP" in icy conditions.

Summary of Student Chapter Community Services

COMMUNITY SERVICE AND OUTREACH

Our organization is always eager to give back to the community! Whether that means giving back by cleaning up our roadways, serving local residents, or sharing our love of transportation with future engineers, members and officers gladly devote their time.

2018 Big Event



Serving the community has been a major objective of TAMUite, and Texas A&M's Big Event has consistently been a great opportunity to achieve this. This year, TAMUite is excited to participate in The Big Event 2018 on March 24th, 2018. The Big Event aims to thank the incredible communities of Bryan and College Station for their support by giving back to local citizens. With registrations for the event still open, 10 members of TAMUite have already registered to participate with the chapter in this community service event.

"Selfless service" is one of the six Aggie core values. As an organization of Texas A&M University, we seek opportunities to represent the value. This year, TAMUite is participating in the Big Event, the largest one-day, student-run service project in the United States. Thirteen members of TAMUite will visit a local community in Bryan/College Station to serve them on March 30, 2019.

Adopt-a-Highway

As a community member of the Brazos County, TAMUite engaged in TxDOT's Adopt-a-Highway litter pickup program on April 7 and October 7, 2018. After a safety training and breakfast, participants drove to Lake Bryan to pick up trash in the two directions along a one-mile stretch of Sandy Point Road in Bryan. These events were not only good community service experiences but also good opportunities to see what was happening on the road. Last year, more than 10 members in TAMUite contributed to clean the stretch through Adopt-a-Highway. Lunch was served after the events.

We are organizing another Adopt-a-Highway on March 2, 2019 to serve the local community.



Summary of Student Chapter Community Services

COMMUNITY SERVICE AND OUTREACH

Annual Super Techno Science Night at Southwood Valley Elementary School



Students in elementary school get a lot of science through their curriculum, but it is important for them to experience a hands-on approach through events like science night featuring math, science and technology booths. TAMUITE recognizes this importance and exposing them to the opportunities for their futures in the scientific field. Although there are similar events on TAMU campus they are generally not attended by students from elementary school. Keeping this in mind, on February 21st, 2019, TAMUITE returned to Southwood Valley Elementary School for Annual Super Techno Science Night. The main objective of our participation was to enlighten the students with some of the latest global advancements in transportation.

This was achieved through interactive activities, we also caught the parents and students' attention through retroreflective traffic signs. There was a give-away of mini playset of different traffic signs.



Student Achievements

Below are some of the awards, presentations and publications of our members in Apr. 2018 – Mar. 2019.

AWARDS

2018 Dwight D. Eisenhower Transportation Fellowship—Jose Cazares

2018 Departmental Fellowship –Saipraneeth Devunuri, Kentaro Iio, Ankit Jhamb, Mounica Nagulapally

2018 ITE Texas District Fellowship—Xiaoyu (Sky) Guo

2018 ITS Texas Graduated Scholarship—Xiaoyu (Sky) Guo, Farinoush Sharifi

Begum Akhtar Akram Merit Based Scholarship—Malik Kashan Tariq

Texas State Grant—Malik Kashan Tariq

Society of Under Water Technology—Malik Kashan Tariq

2018 ITE Texas District Student Paper Award— Farinoush Sharifi

2018 WTS Houston Helen M. Overly Memorial Scholarship— Farinoush Sharifi

2018 NoCoE TSMO E-portfolio TRB Student Competition— Farinoush Sharifi

2018 Keese-Wootan Transportation Fellowship—Jayson Stibbe

2018 Dr. Katherine F. Turnbull Scholarship— Yuefeng Chen

Student Achievements

PRESENTATIONS AND PUBLICATIONS

Burris, M. W., **Ashraf, S.** (2019). Tracking the Impact of a Toll Increase on Managed Lane Travel Behavior. *Transportation Research Record: Journal of the Transportation Research Board*.

Ding, W., Wei, C., Zhu, H., Jin, J., & **Chen, Y.** (2018). Chapter 4.8 Three-Dimensional Sponge - Landscape Architecture Design of Huchenghe Historic Park in Chizhou City, Anhui Province. In H. Jia, *Sponge City Low Impact Development Technology and Practice*.

An, C., Kluger, R., Wu, Y. J., **Guo, X.**, & Xia, J. (2018). An Integrated Data Approach for Constructing Arterial Shockwave Profiles, *Transportation Research Record: Journal of the Transportation Research Board*. (No. 18-05077).

Guo, X., Xiao X., Zhang Y., Ma C. & He S. (2019). On Development of State-Based Fundamental Diagram for Signalized Intersection using Connected Vehicle Trajectory, *Transportation Research Record: Journal of the Transportation Research Board*. (No. 19-04851).

Pu, Z., **Guo, X.**, Li, Z., Jiang, Y., Wang, Y., Zhang, C., (2019). Before-After Analysis of Safety Effects of Variable Speed Limit System Using Full Bayesian Models, *Transportation Research Record: Journal of the Transportation Research Board*. (No. 19-03134).

Guo, X., Wu, L., Zou, Y., Fawcett, L., (2019). A Comparative Analysis of Empirical Bayes and Bayesian Hierarchical Models in Hotspot Identification, *Transportation Research Record: Journal of the Transportation Research Board*. (No. 19-03519).

Ilio, K., Zhang, Y., & Quadrifoglio, L. (2019). Bid-Based Priority Signal Control in A Connected Environment: Concept (No. 19-05404).

Samimi Abianeh,A., Burris, M., Talebpour, A. & Sinha, K. "Investigating the Relationship Between Network Fundamental Diagram and Fuel Consumption in a Connected Environment", *Transportation Research Board 97th Annual Meeting*, No. 18-04670, 2018

Samimi Abianeh,A., Burris, M., Talebpour, A. & Sinha, K. "The impacts of connected vehicles on fuel consumption and traffic operation under recurring and nonrecurring congestion", *ASCE Conference on Transportation and Development*, 2018

Sharifi, F., Sohrabi., S., Farzaneh., R., & Khreis., H. (2019). Active Transportation and Self-Impression of Health: Evidence from 2017 NHTS Data. Paper presented at the *Transportation, Air Quality, and Health Symposium*, Austin, TX.

Student Achievements

PRESENTATIONS AND PUBLICATIONS

Rahmati., Y., Abianeh., A. S., Tabesh., M., Talebpour., A., & **Sharifi., F.** (2019). Driving to Safety: Who is at Fault in CAVs Rear-end Collisions? Paper presented at the TRB Annual Meeting, Washington DC.

Birt., A., **Sharifi., F.**, Messhenas., S., & Prozzi., Y. (2018). Evaluating the Potential of Alternative Traffic Barrier Designs for Reducing Pelican Mortality on Texas Roads. Paper presented at the 2018 Transportation Short Course, College Station, TX.

Sharifi., F., & Burris., M. (2018). Examining Travelers Who Pay to Drive Slower in the Katy Managed Lanes. Paper presented at the ITE Joint Western and Texas District Annual Meeting, Keystone, Colorado.

Sharifi., F., & Burris., M. (2018). Application of Big Data to Characterize Unexpected HOT Lane Choice Behavior Paper presented at the National Travel Monitoring Exposition and Conference (NaTMEC), Irvine, California.

Sharifi., F., & Burris., M. (2018). Why are some Travelers Paying to Drive Slower in the HOT Lanes? Paper presented at the National Travel Monitoring Exposition and Conference (NaTMEC), Irvine, California.

Rahmati., Y., Abianeh., A. S., Tabesh., M., **Sharifi., F.**, & Talebpour., A. (2018). CAVs Are Rear-ended by Human Drivers: A Machine Learning Approach for Detecting Drivers' Braking Behavior at Intersections. Paper presented at the 3rd Annual Texas A&M Transportation Technology Conference, College Station, Texas.

Sharifi., F., & Burris., M. (2018). Examining Travelers Who Pay to Drive Slower in the Katy Managed Lanes. Paper presented at the TRB Annual Meeting, Washington DC.

Financial Report

The following table gives the details of the income as well as the expenditure of TAMUite for the previous fiscal year. Financial supports from the Civil Engineering Department and projects from local agencies are a major source of our income. We attribute our success to the high quality standard we set for all of our projects and events. We also received support from the ITE chapters to attend the district and international conferences. Notice that we spend more in conferences because Spring TexITE and Annual ITE were both out-of-state. We would once again like to relay our utmost appreciation to those who support our student members in any way and hope for continued support in the future.

		Beginning Balance	\$19,066.62
Income	Funding from Civil Engineering Department	\$6,790.00	
	Kittelson Donation	\$250.00	
	Binkley and Barfield—Traffic Count	\$3,442.00	
	TexITE Award	\$1,000.00	
	International ITE Conference	\$3,937.94	
	TexITE Conference	\$1,500.00	
	Merchandise	\$60.00	
	Texas Transportation Institute Traffic Count	\$1,485.00	
		Total Income	\$18,465
Expenditure	General Meetings	\$1,723.44	
	Adopt-a-Highway	\$182.66	
	ITE Polo Purchases	\$257.60	
	Leadership Conference	\$1,164.72	
	Social Events	\$372.21	
	Traffic Counts	\$2,160.00	
	Field Trips	\$868.10	
	Office Supplies	\$163.98	
	Conferences	\$9,588.67	
	Miscellaneous	\$384.37	
		Total Expenditure	\$16,929.04
		Closing Balance	\$20,910.70

Recruitment and Membership Promotions

TAMUite recruited members during in the beginning of Fall and Spring semester in 2018. We joint the Open House in College of Engineering. We introduced our chapter and had about 30 students from freshman year and sophomore year signing up with us. Jayson Stibbe (1st from left), Xiaoyu (Sky) Guo (2nd from left), Sruthi Ashraf (2nd from right) and Kentaro Iio (1st from right) helped in the Open House.



Additional to the open house, we TAMUite also often took the opportunity to introduce our chapter and ITE international in the Transportation Graduate Student Orientation every Fall.

To better promote ITE international memberships, we created a short video including the registration process for the ITE membership. The video is always shown as a part of introduction in our general meeting.



Student Member Roster

Member Name	Degree Seeking	Expected Graduation	Member Name	Degree Seeking	Expected Graduation
Aghababaei, Shahrestan	Ph.D	Spring 2021	Khajeh Hosseini, Mohammadreza	Ph.D	Fall 2019
Akshay, Baxi	MS	Spring 2020	Kong, Xiaoqiang	Ph.D	Spring 2020
Al-Saidi, Mushtaq*	Ph.D	Spring 2019	Kumar, Tilak	ME	Spring 2020
Amir, Esmalian	MS	Spring 2020	Kuriachan, Job	MS	Spring 2020
Ashraf, Sruthi*	Ph.D	Fall 2020	Lee, Dahye	Ph.D	Fall 2019
Cao, Xiaowei	Ph.D	Fall 2019	Ma, Chaolun	Ph.D	Spring 2021
Cazares, Jose*	Ph.D	Spring 2020	Lira Christopher	BS	Spring 2020
Chen, Yuefeng*	MS	Spring 2019	Mahmoud Zadeh, Ahmadreza	Ph.D	Spring 2021
Dadir, Ali	BS	Spring 2019	Mohammad, Reza	Master	Spring 2020
Dahal, Shreeja	ME	Spring 2020	Meng, Yi	Ph.D	Spring 2021
Elhakim, Rana	BS	Spring 2019	Mousavi, Seyedeh Maryam*	Ph.D	Spring 2019
Enciso, John	BS	Spring 2019	Nagulapally, Mounica*	MS	Spring 2020
Fang, Xiang*	ME	Spring 2020	Poudel, Alence	MS	Spring 2019
Grace, Samtani *	ME	Spring 2020	Peng, Yongxin	Ph.D	Spring 2021
Grimm, Kristen	BS	Spring 2020	Ravi, Radhakrishnan	MS	Spring 2020
Guerrero Kazandra	B.S.	Spring 2019	Ren, Chi*	ME	Spring 2019
Guo, Xiaoyu*	MS	Spring 2019	Rhodes, Michelle	BS	Spring 2019
Gupta, Vivek*	MS	Spring 2020	Salazar, Andrew	Bachelor	Spring 2019
Hariharan, Narain*	Ph.D	Fall 2019	Saipraneeth, Devunuri*	Master	Spring 2020
Ilio, Kentaro*	ME	Fall 2019	Samira, Ziyadidegan	Ph.D	Fall 2022
Iroanya, Ruth	MS or ME	Spring 2020	Sharifi, Farinoush*	Ph.D	Spring 2020
Isha, Narsaria*	MS	Spring 2020	Sharma, Aman*	MS	Spring 2019
Ishtiaq, Ashir	BS	Spring 2019	Shirinzadeh Dastgiri, Maryam*	Ph.D	Fall 2019
Jha, Kartikeya*	Ph.D	Spring 2021	Williams, Brett	BS	Spring 2019
Jiao, Jian	Ph.D	Spring 2019	Xiao, Xiao	Ph.D	Spring 2021
Key, Casey	BS	Spring 2019	Ankit, Jhamb*	MS	Spring 2020

*Indicates International ITE Member

Communications

TAMUite maintains social media accounts on both Facebook and Twitter. In addition, an organization website and email listserv were used to communicate with members and the general public regarding chapter events and updates. Through the use of these multiple platforms, members, potential members, or those with interest were able to remain informed and keep connection with all information concerning TAMUite.

 <http://www.facebook.com/groups/TAMUite>

As most of our members are also active Facebook users, Facebook posts to the TAMUite group page served as the most effect form of communication and helped increase member engagement. In addition, creation of TAMUite events on Facebook helped advertise events and log participating members. Both members and non-members alike are able to leave comments and questions regarding TAMUite and since April 1, 2017, more than 2,000 posts and comments have been generated on the TAMUite Facebook. This level of participation is a good indicator of the vibrant, connected community maintained by TAMUite.

 <http://twitter.com/itetamu>

TAMUite events are cross-promoted via our new Twitter page. We have maintained our Twitter account since October 2016. Through the use of hashtags and tweets, we are able to communicate TAMUite activities with other Texas A&M departmental and university accounts, allowing us to reach a wider audience and coordinate with other organizations.

 <http://www.texite.org/tamu>

TAMUite maintains a website under the Texas District ITE domain. It serves as a resource for both static and dynamic information. Group contact information, documents, and member resources are housed on our website for easy, 24/7 access. Posts are constantly updated to provide information on recent and upcoming group activities. The website is a vital resource for distributing electronic information such as applications and workshop data.

 [Email Listerv](#)

The TAMUite listserv allows the campus chapter leadership to keep members up-to-date on all chapter activities through email. The chapter President, Jayson Stibbe, sends out weekly emails regarding important chapter information as well as upcoming deadlines and events. Employment, scholarship, and other enrichment opportunities are also communicated to our members via the listserv.