



University of Arkansas
Institute of Transportation
Engineers
Student Chapter

2019-2020 ANNUAL REPORT



Karla J Diaz-Corro
ITE Student Chapter President

Table of Contents

Introduction	2
Chapter Organization.....	3
ITE History	3
ITE Organizational Structure	3
Chapter activities	6
Officers Meetings.....	6
General Meetings.....	6
Student Participation In Regional Events.....	10
Media Recognition	10
UARK ITE Student Chapter Members' activities	12
Being a UA-ITE Officer	13
2019 Transportation Planning Conference	14
2019 Arkansas GIS Users Forum	14
TRB 99th Annual Meeting	15
Budget Fiscal Year 2019-2020.....	16
General Meeting Cost Breakdown.....	17
Finances and Fundraising.....	17
Student Members	18
Upcoming Events and Goals	19

Introduction

Greetings! This is Karla Diaz-Corro, a Master student in the Department of Civil Engineering at the University of Arkansas, Fayetteville. I am honored to serve as the UA-ITE student chapter President. It is a great privilege to be part of this dynamic and enthusiastic group of students.

The goal of the University of Arkansas (UA) Institute of Transportation Engineers (ITE) Student Chapter has been to expose and engage the UA ITE Student Chapter student members with the local community. For example, this year, the student officers participated in outreach activities to engage with the local communities through K-12 classroom visits during summer camps at the University of Arkansas, and after school programs that took place during the fall and spring semester.

The past year has once again been both hectic and exciting for the UA-ITE. In spring 2019, our student chapter was given the opportunity to help coordinate and host the Transportation Leadership Summit by the Southern Plains Transportation Center (SPTC). In this event, the UA-ITE was in charge of coordinating a series of activities including conversations on how to build a resume, special lectures from transportation leaders from the Arkansas Department of Transportation (ARDOT), as well as training on the development and implementation of outreach activities for local communities. Another big opportunity to demonstrate our leadership and abilities to work as a group was during the MOVITE Spring District Meeting. Just to mention some of the highlights and accomplishments at this conference, the chapter was pleased to represent Arkansas, *for the first time*, at the 2019 Collegiate Traffic Bowl Championship in St. Louis, MO, in which we took 3rd place. The chapter was also involved in every competition at the MOVITE District meeting, taking home two 1st places.

Goals for this year are to continue engaging with the professional chapter members in the region to keep up with the implementation of outreach activities on off-campus events and involve our student chapter members in more leadership, and competitions. Last year was a great year for the UA-ITE student chapter group, and we plan to make 2020 even better by having a bigger presence on campus.

We look forward to continued success and building up of the chapter in the coming year!

Sincerely,



Karla J. Diaz-Corro

ITE Student Chapter President
University of Arkansas

This annual student chapter report is organized as follows: (1) chapter organization, (2) summaries of officer and general meetings, and highlights from the conferences in which our student chapter members participated, (3) the budget for fiscal years 19-20, and (4) an outlook on next year's activities. Questions and suggestions should be directed to the Student Chapter President, Karla Diaz-Corro (kjdiazco@email.uark.edu), or Advisor, Sarah Hernandez (sarahvh@uark.edu).

Chapter Organization

In this section, the history of our chapter is presented followed by a description of our organization structure and list of our officers.

ITE History

Although the University of Arkansas (UA) has offered a strong Civil Engineering program since 1897, it wasn't until October 29, 1993, that the ITE Student Chapter was first established under the MOVITE Section. The original student chapter advisor was Dr. Jim Gattis (Emeritus Faculty, UA). Upon its initial founding and for several years beyond, the student chapter was very active. However, the chapter became dormant over time. In 2015, the UA Civil Engineering Department hired Dr. Sarah Hernandez, who specializes in transportation systems engineering and planning. Dr. Hernandez, being a member of ITE, organized, with the help of Dr. Hall, a new student organization called Transportation Leaders of the 21st Century (TL21). TL21 is a product of the USDOT University Transportation Center (UTC) program, specifically, the Southern Plains Transportation Center (SPTC) housed at the University of Oklahoma. Dr. Hernandez proposed transitioning the TL21 group to an ITE Student Chapter in 2016. The new ITE Student Chapter created a constitution, assigned leadership roles, and began interacting with the professional ITE chapter members through monthly meetings and off-campus conferences. TL21 and ITE aiming to a similar objective. Both groups seek to introduce students to the transportation field and find ways to address current transportation issues. TL21 officers voted to re-register TL21 as ITE so that the dormant student chapter of the University of Arkansas might be revived at the start of the spring 2017 semester. The ITE Student Chapter is now in the process of becoming a Registered Student Organization (RSO) at the UA.



ITE Organizational Structure

Transportation Leaders of the 21st century (TL21) is the parent organization of the UA-ITE Student Chapter at the University of Arkansas. All members of UA-ITE are encouraged to become national members of ITE, by explaining to members the importance of being a member of ITE in order to participate in ITE events such as national/regional conferences. While it is not required to be a national ITE member in order to join UA-ITE, every officer must register as a member of ITE. In addition to the faculty advisor, the leadership group consists of the following roles and responsibilities:

The President will:

1. chair all meetings of UA-ITE and call special meetings as needed
2. organize any elections associated with UA-ITE events
3. actively recruit new members on an event basis

4. maintain and update the constitution as necessary

The Vice President will:

1. chair any ad hoc committees or task forces of the organization
2. be in charge of recruitment and outreach to new or continuing students
3. maintaining or finding a volunteer to maintain the UA-ITE social media accounts
4. manage and collect pictures of UA-ITE activities

The Secretary will:

1. create and maintain the organization's electronic membership directory that includes current names and email addresses
2. take, record, and file meetings minutes, produce all official correspondence for the organization

The Treasurer will:

1. maintain records and report on the financial transactions of UA-ITE
2. develop and produce an Annual Report detailing UA-ITE activities conducted in the previous year

All officers and candidates for office must be currently enrolled, full-time students at the University of Arkansas with a minimum GPA of 2.50. Nominations for all offices open from the first week to the third week of the spring semester. The President collects the names of the nominees and includes all nominees in the election ballot. Nominations close at the end of the third week of the spring semester. They or another member uses a simple majority to vote in new officers who were nominated.

The officers are elected in the fall semester and serve for one year. However, for the 2019-2020 year, based on the feedback from the 2018 officers and the reduced student membership, we decided to merge officer roles with Pillar Leaders. The officers for the 2019-2020 calendar years are as follows:

Role	2019 Spring-Fall Officers	2020 Spring Officers
President	Karla Diaz-Corro	Karla Diaz-Corro
Vice President	Taslima Akter*	Role absorbed by President
Secretary	Joshua Vines	Joshua Vines
Treasurer	Sharif Mahmud	Sharif Mahmud
Outreach Chair	Mariah Crews	Mariah Crews
Activity Coordinator	Sanjeev Bhurtyal	Sanjeev Bhurtyal
Faculty Advisor	Sarah Hernandez (Assistant Professor)	
<i>*Student graduated on Fall 2019</i>		

In addition to the leadership positions, the group chose to include two additional leadership positions to carry out specific goals of the group. These specific roles are referred to as “pillars” of the organization and are as follows:

1. Pillar 1: Meeting with transportation leaders, Pillar I will be chaired by a student coordinator who is not serving as an officer. The student coordinator is responsible for communicating with the officers on the status and activities of the pillar. Pillar I activities will focus on two primary areas. First, invite transportation leaders to speak at UA-ITE general meetings. Second, travel to local, regional, and state-level transportation companies, agencies, and organizations to meet with transportation leaders. A key aspect of Pillar I is to expose students to transportation and leadership topics beyond the scope of typical required undergraduate courses.
2. Pillar 2: Outreach, a student coordinator who is not serving as an officer will chair Pillar II. The student coordinator is responsible for communicating with the officers on the status and activities of the pillar. Pillar II will focus on three primary areas. First, visit local K-12 schools to expose students to transportation engineering concepts. Second, attend career days for local K-12 schools, Freshman Engineering Program (FEP) Informational Department Sessions, and other related informational department sessions around campus. Third, serve as active members of the transportation community on both the UA campus and the City of Fayetteville.

Chapter activities

The ITE Student Chapter at the UA hosts several different kinds of events each year including Officer Meetings to plan and organize group events, General Meetings for all members, and student participation in regional or national events. Each event is described in this section.

Officers Meetings

Officer meetings are usually held a week before the general student chapter meetings. The officer meetings are for the officers to come together, brainstorm about future meetings and give new ideas to make the club better. The President and the Advisor would discuss what was planned for the future of the student chapter, and then the president would relay that information to the officers. The officer meetings also were to clarify and assign tasks to the officers, which include but were not limited to email announcements to the undergrad and graduate student bodies announcing upcoming general meetings. Our goal for this year and the upcoming years are to create a more solid and organized foundation for the UA-ITE student chapter.

General Meetings

For the past four years, UA-ITE, previously known as TL21, has held general meetings to engage with the student body. The first year (2016), the meetings were the first Thursday of every month, the second year (2017) the general meetings have been held on the second Thursday of every month, excluding January, which there was no general meeting. The third year (2018) the general meetings were held on the fourth Thursday of every month. The fourth year (2019) general meeting was held on 15th of October and 12th of November. The Consistency in the meeting day/time is important for attracting students to the meetings. It also aids in coordination with other student groups within the Civil Engineering department such as ASCE and Chi Epsilon.

The meetings were held on the UA Campus in Bell Engineering in room 1108E at 5pm. The majority of the meetings included guest speakers who presented on different transportation and planning related topics. Typically, emails were sent to the Civil Engineering Undergraduate and Graduate list server so all Civil Engineering students would have the information about the meetings. As well as the guest speakers, UA-ITE officers talked about upcoming external events and transportation-related internships and summer job opportunities.

Starting in fall 2017, the officers of UA-ITE created an electronic RSVP form that was sent out with the email announcements. The RSVP form is beneficial to regulating student attendance, keeping member information, budgeting efficiently for food, and creating an easier system for club members to voice their opinion on what they are wanting from the club, i.e. more field trips, more “real world” examples, etc. With adding the RSVP forms, we started creating more colorful flyers and hanging them around the Engineering Building about a week before our club meeting. In Figure 1, there is an example of our flyer for a meeting during fall 2019.

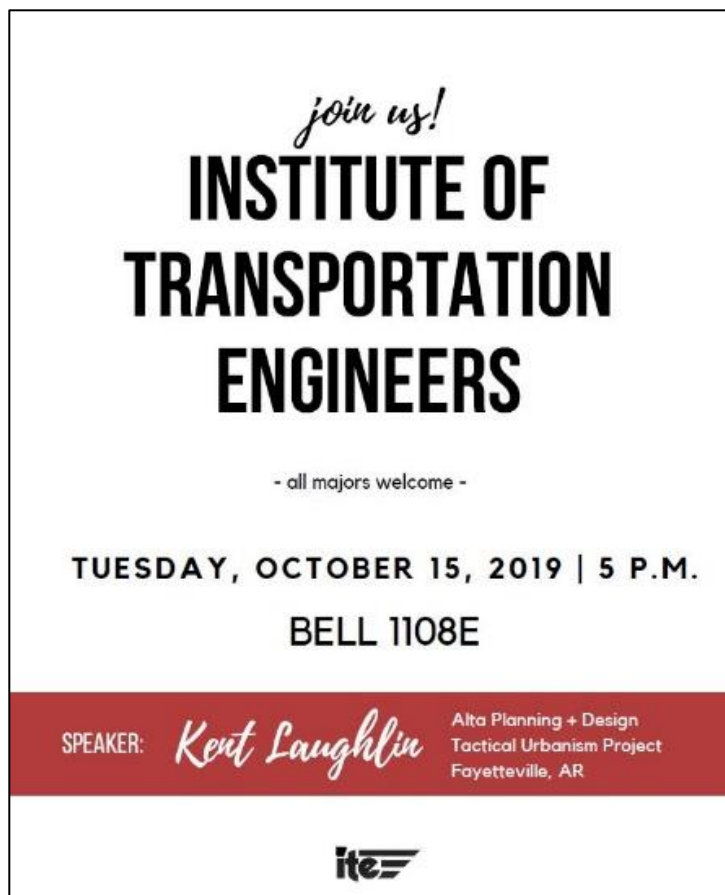


Figure 1 Example of Event Flyer for fall 2019 Meeting Dates



Figure 2 Dr. Hale with Guest Speaker Mr. Zimmerman in 2019 Annual SPTC/ITE Leadership Conference

In addition to monthly general meetings, the 2019 Annual Southern Plains Transportation Center/Institute of Transportation Engineers Leadership Conference was hosted at the University of Arkansas from 7th February to 9th February 2019 (figure 2).

Student members attended the 2019 Missouri Valley Institute of Transportation Engineers (MOVITE) spring meeting from June 19th through June 21st, 2019 at St. Louis. The students also participated in 2019 Arkansas Transportation Planning Conference held at Little Rock, Arkansas from September 10th to September 12th, 2019. Each of the 2019 events is summarized below.

October 15th, 2019

Mr. Kent Laughlin, ASLA

Mr. Laughlin attended the October general meeting as a speaker and talked about tactical urbanism and the process that is followed to initiative community-led projects. He specifically talked about a project that has gone through the approval process in the City of Fayetteville. His presentation included many pictures of interesting representation of tactical urbanism (figure 3).



Figure 3 A Group of Students who Participated in the 2019 October Meeting

November 12th, 2019

Mr. James Arbuckle, Senior Vice President and Operations Manager for HALFF Associates, Inc.

Mr. Brian Vines, Public Works Team Leader for Halff Associates Inc

Mr. Arbuckle and Mr. Vines attended the November general meeting as a speaker and talked about a traffic study in Van Buren, Arkansas. They specifically shared visuals of the streets including color-coded levels of service. They emphasized the importance of including both commercial and residential interests in the conversation and trying to appease both parties in the decision-making process. They also talked about protected and historical buildings and how these should be kept into consideration in the planning phase (figure 4).



Figure 4 A Group of Students who participated in the 2019 November Meeting

November 14th, 2019



Mr. Jim Kruse, Director of the Center for Ports and Waterways, Texas A&M Transportation Institute

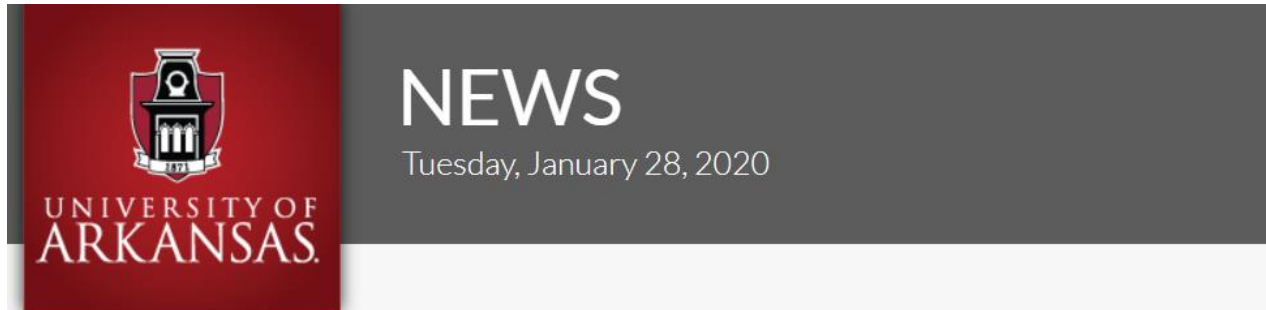
Mr. Kruse presented his insights on the future of waterways freight, ports, and the use of data. He talked about how ships are increasing in size causing ports to need to dredge out a larger area to accommodate them.

Figure 5 Mr. Jim Kruse speaking at the University of Arkansas

Student Participation In Regional Events

Media Recognition

UA-ITE students were recognized by the Arkansas Newswire for winning multiple accolades in the 2019 joint annual meeting of the Midwest District and Missouri Valley Chapters of the Institute of Transportation engineers.



Civil Engineering Students Earn Multiple Honors

Sep. 06, 2019



Five civil engineering students took home first place prizes for their research related to transportation data.

Doctoral student Magdalena Asborno earned first place in the Student Poster Competition and a four-student team earned first in the Student Design Competition at the 2019 joint annual meeting of the Midwest District and Missouri Valley Chapters of the Institute of Transportation Engineers.

Asborno took first in the poster competition for her work entitled "Estimating waterborne port calls from LPMS and truck GPS data: a multi-commodity assignment model." Her new, multimodal fusion model closes a critical gap in the ability to estimate port-level commodity flows, which is essential for estimating the demand for freight transportation facilities and services on inland waterways.



Photo Submitted

From left: Sanjeev Bhurtyal, Karla Diaz-Corro, Mariah Crews and Sharif Mahmud.

The full article can be retrieved from <https://news.uark.edu/articles/49834/civil-engineering-students-earn-multiple-honors>

MidwesternITE Newsletter (Winter Edition) highlighted UA-ITE member Karla Diaz Corro and Taslima Akter's research on understanding statewide truck parking demand and capacity using big data.

Understanding Statewide Truck Parking Demand and Capacity Using Big Data

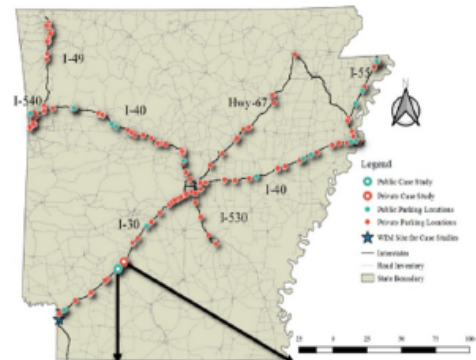
By Karla Diaz Corro, Taslima Akter, and Sarah Hernandez, PhD | University of Arkansas

Increased demand for truck parking due to Hours-of-Service regulations and growing freight volumes, coupled with limited supply of parking capacity, is a major concern for transportation agencies and industry stakeholders. Lack of safe and adequate truck parking can lead to dangerous situations for drivers and travelers alike. According to industry surveys, truck parking consistently ranks among the top ten concerns of drivers and fleet operators.

Problem Effective monitoring of truck parking facility usage can help state agencies prioritize parking capacity investments and help private investors identify opportunities for new facilities. Big data like truck Global Positioning System (GPS) data provides an apt platform for monitoring parking facility utilization. The issue is that most truck GPS datasets represent a sample of the truck population and the representativeness of that sample may differ by application. Therefore, to use GPS data to estimate truck parking usage patterns, we have to know how to accurately expand a GPS sample to reflect the entire truck parking population. To address this critical gap, our research compared parking counts derived from GPS data to those manually observed through an overnight truck parking study. In this way we are able to derive GPS expansion factors (ratio of GPS to population counts) by parking facility type.

Results Using GPS data, observational counts of parked trucks, and highway and interstate traffic volumes, we calculated GPS data expansion factors for 102 parking facility locations across the state of Arkansas. By calculating the expansion factor based on the number of parked trucks instead of local truck traffic volumes, we increased the accuracy of parking usage predictions. With our approach we are able to estimate that approximately 30% of the parking locations in Arkansas were overcapacity during the study period, with many more details regarding the time of day and other characteristics of parking demand and usage.

Benefits With population level estimates of parked trucks derived from GPS data, facility utilization characteristics such as overcrowding by time of day and day of week, arrival rates, and duration patterns can be determined. Such information greatly improves upon what is available through existing observational and driver surveys. While surveys can provide some insight into usage patterns and identify locations of significant congestion, they fail to provide enough detail to make effective investment decisions. By using GPS data instead of surveys, we reduce the cost and increase the timeliness of effective truck parking monitoring. State transportation agencies can use this data to better prioritize parking facility investments including capacity expansion and funding or policy incentives for private investment.



Public Rest Stop

Private Truck Stop

About the Authors

Ms. Diaz Corro earned her B.S. in Civil Engineering in December 2018 at the University of Arkansas. She is now pursuing her M.S. and plans to graduate in December 2020. Karla serves as the President of the ITE student chapter at the University of Arkansas.

Ms. Akter earned her BS in Urban and Regional Planning from Bangladesh University of Engineering and Technology (BUET) and her master degree in Geography and Planning from the University of Toledo. She is now pursuing her PhD and plans to graduate in December 2019.

Dr. Hernandez received her PhD in Civil and Environmental Engineering with a specialization in transportation systems engineering from the University of California, Irvine. She holds a M.S. from the University of California, Irvine (Irvine, California) and a B.S. from the University of Florida (Gainesville, Florida). She is currently an Assistant Professor at the University of Arkansas, and ITE Student Chapter advisor. (Editor's note) She is the recipient of the ITE Midwestern District Rising Star award.



Freight
Transportation
Data Research Lab

Website: sites.uark.edu/sarahvh/

The Freight Transportation Data Research Lab is a research group under the direction of Sarah Hernandez within the Department of Civil Engineering at the University of Arkansas. Research areas include: applications of Intelligent Transportation Systems (ITS) technologies to address freight data gaps, modeling approaches to fuse new and emerging freight data sources to support long range planning, and generation of freight performance measures to support public sector decision making.

UARK ITE Student Chapter Members' activities

Written by Magdalena Asbornó



Five ITE student chapter members from the civil engineering department at the University of Arkansas were awarded first place in student competitions organized by ITE. Under the lemma “Gateway to the Future: A New Horizon of Transportation”, the students presented their work at the ITE 2019 Midwest District and MOVITE Joint Annual Meeting, held on June 19-21 in St. Louis, Missouri.

PhD student Magdalena Asbornó won first place on the Student Poster Competition for her work entitled: “Estimating waterborne port calls from LPMS and truck GPS data: a multi-commodity assignment model”. The novel, multimodal data fusion model closes a critical gap in the ability to estimate port-level commodity flows, which is essential for estimating the demand for freight transportation facilities and services on inland waterways.

Graduate students Sharif Mahmud, Sanjeev Bhurtyal, Karla Diaz-Corro, and undergraduate student Mariah Crews won the first place in the Student Design Competition. This design competition allowed ITE student members to tackle a topic as a project team and present their solutions to a panel of professionals during the Joint Meeting. Their project revolved on creating a city of ‘Complete Streets’, meaning that the streets are “designed, operated, and maintained with all users in mind,” which ensures that the changes in the city will provide more access and increased safety for all types of users in the community. The successful project achieved in creating a livable, sustainable, and safe environment for *everyone*, connecting *all* people from *all* over the community.

Moreover, the University of Arkansas’ ITE student chapter was represented for the first time in the prestigious Traffic Bowl Competition. The team comprised of Karla Diaz-Corro, Sanjeev Bhurtyal, and Mariah Crews held 3rd place. During the event, Master student Karla Diaz-Corro received the 2019 Jan Kibbe Student Scholarship, which has been awarded for the second year in a row to a University of Arkansas ITE Student Chapter graduate student (2018 recipient was Magdalena Asbornó). In addition to presenting their work, the five students who actively participated in the ITE 2019 Midwest District and MOVITE Joint Annual Meeting enjoyed presentations made by transportation engineering professionals, attended MOVITE chapter meetings that helped them understand how the chapter is organized and how decision-making takes place and enjoyed the networking opportunities during their time in St. Louis.

Besides the student’s active participation in the ITE 2019 Midwest District and MOVITE Joint Annual Meeting, ITE student chapter members Karla Diaz-Corro, Magdalena Asbornó, Sanjeev Bhurtyal, Mariah Cruz, and Madeline Giebler demonstrated their commitment to service and passion for sharing transportation educational activities. The students organized and delivered K-12 outreach activities at two elementary schools in Fayetteville, Arkansas. Under the programs “Got Science?” and “Explore Engineering Club”, the ITE students presented “Build a City”, an activity designed by the Freight Transportation data Research Lab. The training modules introduce transportation engineering to children by being active participants in transportation decision-making. In particular, the activity allows children to

play the role of city planners, road designers, traffic signal operators, and drivers who experience what it takes to build a city, how it feels move around it under different traffic conditions, and propose solutions based on the selection of different traffic signals. Kids loved the traffic light the ITE students took with them to the activity and developed their own agenda to play with it during the free time at the end of the session.

All participating ITE student chapter members work as research assistants at the Freight Transportation Data Research Lab led by Dr. Sarah Hernandez, assistant professor at the Civil Engineering Department and advisor of the ITE student chapter at the University of Arkansas (<https://sites.uark.edu/sarahvh/>).

Being a UA-ITE Officer

Written by Mariah Crews



Being an officer for the Institute of Transportation Engineers means time and effort. It means showing up, finding creative ways to engage students, and it means working strategically on a team to maximize impact for the student body. It is hard and oftentimes it is a little scattered, but it has also been one of the most rewarding parts of my education thus far. Being an officer for the Institute of Transportation Engineers means the opportunity to network with professionals that support our cause and our industry. It means planning STEM activities to inspire the next generation of engineering students. It means real and impactful presentations centered on topics that are local and tangible for college students. This past year was my first year as an officer for our ITE chapter, and I was able to have a hand in all these things and so much more. It is such an important role because it provides earlier exposure to transportation topics and concepts than our institution currently provides, but it has also provided me with opportunities to collaborate with other groups, such as the American Society of Civil Engineers (ASCE), Women's Transportation Seminar (WTS), and the Office for Sustainability. It has provided me with professional development and public speaking opportunities and has inspired my passion to reach out to those that come next in the industry. Being an ITE officer is an important role that transcends beyond the self; it is so much more than emails and speakers. It inspires me, and I hope that our ITE chapter can be an inspiration to you.

2019 Transportation Planning Conference



Several UA ITE members participated in last year's Arkansas Transportation Planning Conference held in North Little Rock September 10-12. The conference was organized by the Arkansas Department of Transportation in cooperation with Federal Highway Administration Arkansas' Metropolitan Planning Organizations. Among other things, the participants learned about emerging mobility trends, multimodal transportation planning, and resilient transportation through performance-based planning.

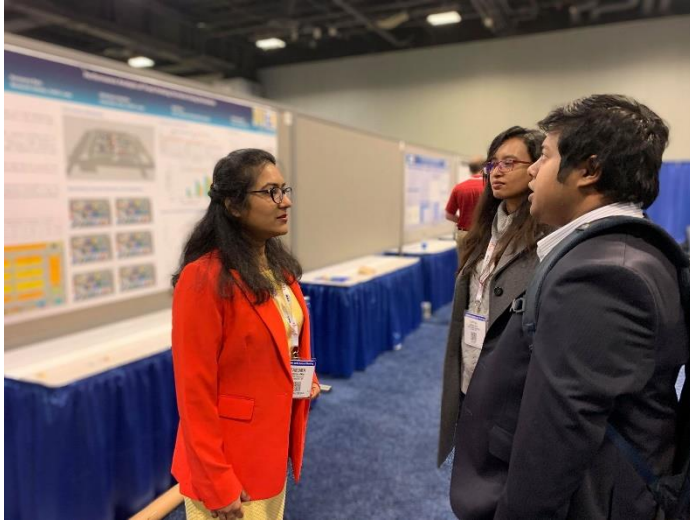
2019 Arkansas GIS Users Forum



Four UA ITE members Sharif Mahmud, Magdalena Asborn, Sanjeev Bhurtyal, and Marjan Asadinia participated in the 2019 Arkansas GIS Users Forum. It was held in Eureka Springs, Arkansas Oct 30th -Nov 1st. Sharif, Magdalena, and Marjan presented their research in this symposium. Magdalena presented her research on geospatial data fusion to identify multimodal freight paths. Marjan presented her research on mapping solutions for overcrowding in truck parking facilities of Arkansas. Finally, Sharif presented his research on mapping Arkansas truck parking

demands.

TRB 99th Annual Meeting



patterns by facility amenity availability.

UA ITE members Taslima Akter, Magdalena Asborn, Karla-Diaz Corro, Sharif Mahmud, Sanjeev Bhurtyal, Mariah Crews, and Madeline Giebler participated in this year's Transportation Research Board Annual Meeting. Taslima presented her research on representative truck activity patterns from anonymous mobile sensor data and modeling the influential factors to promote active transportation on college campus. Magdalena presented her work multi-commodity port throughput from truck GPS and performance data fusion. Sharif presented his work on truck parking usage

Budget Fiscal Year 2019-2020

The Department of Civil Engineering provided \$1000 contribution to the UA-ITE student chapter. Additionally, the Southern Plains Transportation Center help with the travel and expenses of the five UA-ITE students traveling to the 2019 MOVITE Annual District meeting. Below is a breakdown of the expenses and budget during 2019, and the projected budget for 2020.

Table 1. Budget Summary 2019-2020

BUDGET	2019	2020	TOTAL Budget	TOTAL Exp	Balances
Supplies	\$1,000.00	TBD	\$1,000.00	\$113.29	\$886.71
Travel	\$3,195.23	TBD	\$3,195.23	\$3,195.23	0.00
TOTAL	\$4,195.23	--	\$4,195.23	\$3,308.52	\$886.71

Table 2. FY 2019 Expenses Breakdown

Date	Vendor	Travel	Supplies	Description
06/18/2019	Hotels.com	\$681.64		Sanjeev & Sharif - Hotel - MOVITE – St. Louis, MO
06/18/2019	Hotels.com	\$681.64		Karla, Magdalena, Mariah - Hotel - MOVITE – St. Louis, MO
06/18/2019	Car Rental	\$385.23		MOVITE
06/18/2019	Gas	\$61.36		MOVITE
06/18/2019	Registration	\$250		Karla, Magdalena, Mariah, Sharif, & Sanjeev - MOVITE – Conference Registration
06/18/2019	Parking	\$72.00		MOVITE
06/18/2019	Karla Diaz-Corro	\$207.85		MOVITE
06/18/2019	Mariah Crews	\$242.33		MOVITE
06/18/2019	Sanjeev Bhurtyal	\$214.53		MOVITE
06/18/2019	Sharif Mahmud	\$260.45		MOVITE
06/18/2019	Magdalena Asborn	\$138.20		MOVITE
10/15/2019	Papa John's Pizza		\$113.29	UA-ITE Student Group Meeting
TOTAL		\$3195.23	\$113.29	

General Meeting Cost Breakdown

For general meetings, we usually serve pizza, soda, and bottled water to the attendees. **Table 3** gives a cost breakdown scenario for three levels of participation in a general meeting: 30, 40, and 50 participants. Here we assume that each student will consume three slices of a large pizza. A large pizza from Papa John's costs, on average, \$14.15 and each pizza has 8 slices. We computed the cost considering the number of participants and slices we need to serve all of them. Similarly, we estimated the cost of soda and water bottles. We plan to hold two meetings each semester; thus, we will potentially have six meetings in a year considering spring, summer, and fall semesters. The last row of the table shows the total cost of supplying food in six meetings across three levels of participation.

TABLE 3: General meeting cost

Food Item	Cost for 30 Participants	Cost for 40 Participants	Cost for 50 Participants
Pizza	\$155.65	\$212.40	\$265.50
Soda	\$10.96	\$15.94	\$21.92
Bottled Water	\$18.98	\$18.98	\$28.48
Cost/Meeting	\$185.59	\$247.32	\$315.90
Extended Total (6 meetings)	\$1,113.54	\$1,483.92	\$1,895.40

Finances and Fundraising

Office of Student Activities at the University of Arkansas provides funding for registered student organizations (RSOs) in the campus. A registered RSO can apply for and expend University funds as distributed through the Associated Student Government (ASG). ASG "promotes a diverse array of programs and events, facilitate intellectual engagement, encourage collaboration between students and/or student groups, and/or foster campus community." To finance our activities, we plan to apply for ASG funding. We are also considering asking for donations from the sponsoring agencies and individuals. For example, for general meetings, we will specify the details such as information about meeting place, time, attendance, speakers, and topics. We expect to get a major part of our funding from this source.

Student Members

Abi, Gerardo	Flippo, Tanner	Perez, Addison
Adkisson, Hunter	Franca viglia, Anthony	Perkins, Brianna
Akter, Taslima	Giebler, Madeline	Ponce, Michael
Alattar, Abdalla	Gonzalez, Yessenia	Sanders, Molina
Ali, Salman	Haney, John	Scheuermann, Micah
Alvey, Nicholas	Hernandez, Felipe	Seykora, William
Aranda, Yolany	Hoisington, Will	Simon, Charles
Baltz, Thomas	Holder, Dalton	Spencer, Samantha
Becerra, Humberto	Hopkins, William	Stonestreet, Jonathan
Bhurtyal, Sanjeev	Juarez, Lizbeth	Villalobos, Ever
Briggs, Gavin	Kennedy, Connor	Vines, Joshua
Brown, Trevor	Krawczyk, Adam	Wallace, Patrick
Childress, Brock	Maez, Jacob	Walter, Dwight
Coronel, Leyla	Mahmud, Sharif	Williams, LJ
Crews, Mariah	Manzi, Yves	Williams, Robert
Crosby, Annabel	McIlroy, Tricia	Winkler, Thomas
Diaz Corro, Karla	Missick, Abiah	Young, Dean
Diaz Romero, Pedro	Nguyen, Collin	Zambrano, Jaime
Edwards, Lane	Odom, Justin	Zimmerman, Derek
Fancher, John Ryan	Ortega, Antonio	Zuniga, Juan
Ferreya, Ricardo	Overton, Olivia	

Upcoming Events and Goals

For the second semester of the 2019-2020 school year, our student UA-ITE chapter has set a few goals and objectives:

1. In late February, the University Of Arkansas College Of Engineering celebrates “Engine Week”, which is an opportunity for engineers of all disciplines to both celebrate and give back to the local community. This year ITE has made a pitch to Engineering Student Council (ESC), who is responsible for planning Engine Week, to create house shirts. Each engineering discipline would have the opportunity to buy a house shirt that would match other disciplines in both font and style, but the shirts would vary in color. This is an idea that will be used as a fundraiser for UA-ITE and ESC, but will also encourage spirit and camaraderie within each house.
2. UA-ITE plans to put together a team for the Student Design Competition that will take place during the 2020 Annual MOVITE District meeting. After competing last year and taking the inaugural first place title, the University of Arkansas is excited to return to this competition and represent our school with backgrounds in landscape architecture, urban planning, transportation engineering, and transportation planning.
3. UA-ITE plans to put together a team for the 2020 Collegiate Traffic Bowl. Summer 2019 was the University of Arkansas’s very first time competing in collegiate traffic bowl and it has been our intent to maintain our involvement. Last year our team was largely comprised of officers, but this year we hope to get more general membership involvement.
4. UA-ITE plans to have at least one student participate in the Student Poster Competition, at which a University of Arkansas student, Magdalena Asborno placed 1st during the 2019 meeting.
5. UA-ITE has opened up the Thomas J. Seburn Student Paper Competition, the Jan Kibbe Student Scholarship, and the Technical Research Grant Application to all civil engineering undergraduate and graduate students at the university.
6. UA-ITE plans to conduct outreach in the local community. UA-ITE officers and colleagues conducted outreach programs at two schools last semester, Leverett Elementary and Butterfield Elementary. We plan to continue to offer outreach programs for local schools as requested. In addition, UA-ITE members helped with a summer camp titled GirlTREC at the University of Arkansas, which is comprised of multiple STEM-related topics and disciplines. Finally, UA-ITE members plan to be present at the University of Arkansas Decision Day, when freshman-engineering students choose which specific engineering discipline they want to pursue during their time at the university.