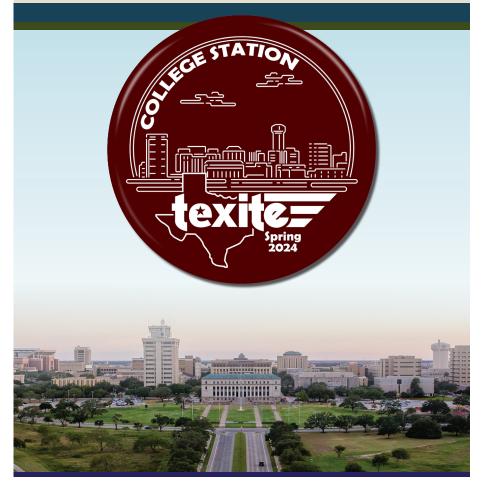
# **2024 SPRING MEETING**

## April 3-5, 2024

## Texas A&M Hotel and Conference Center



Thank you to our Title Sponsor:



## **HOWDY and WELCOME to Aggieland!**

It is my pleasure to invite TexITE back to College Station, TX for a district meeting after almost 10 years! During this meeting we are embracing the Aggieland spirit found in the Bryan-College Station area through tours of campus with discussion of the multimodal movement of tens of thousands of students and staff, emergency planning and operation centers found in Bryan and College Station, and

even a tour option of our beloved Kyle Field!

In addition, this meeting includes fantastic training and speakers programed for your technical and professional development. Dr. Scott Shafer, the Chief of Campus and Community Engagement form the Office of the University President, will be welcoming us at our "Kick-Off" Luncheon before Mr. John Davis, our ITE International President, serves as our keynote speaker. You will find that this meeting is an excellent opportunity to network and connect with a diverse group of fellow engineers, planners, and transportation specialists from throughout Texas and the United States.

The TexITE Board wishes to express gratitude to all our vendors and sponsors. Without them, this meeting would not be financially possible. YOU, our meeting participants, are also a key part of making this meeting possible! THANK YOU for taking time out of your schedule and commitments to join us for this meeting. We're glad to have you. Our Local Arrangement Committee (LAC) has worked for months to make this a fun and successful meeting which deserves our thanks and appreciation! Please reach out to a TexITE board member, LAC Co-Chair, or registration staff if you have any questions or comments on our meeting. Thanks & Gig 'em!

## **BOARD MEMBERS**



2024 TexITE President **Gary Thomas** Kittelson II C

LAC Co-Chair

**David Florence** 





LAC Co-Chair **Melisa Finley** Texas A&M Transportation Institute

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Lone Star Section Representative	Will Cummings, City of Lubbock
South Texas Section Representative	Daniel Cardenas, CP&Y

WEDNESDAY, AI	PRIL 3	
8:00 a.m. – 6:00 p.m.	Registration	Lobby
8:00 a.m. – 5:00 p.m.	Exhibit Hall Setup	Prefunction
8:00 a.m. – Noon	Networking: Sporting Clays Event (Breakfast Included)	Tonkaway Ranch
8:00 a.m. – 1:00 p.m.	Networking: Golf Tournament (Lunch Included)	The Golf Club at Texas A&M University
8:00 a.m. – Noon	Training: Improving and Communicating Speed Management Practices	Ross, 2nd Floor
10:00 a.m. — 11:30 a.m.	Technical Tour: Texas A&M University Bike Tour	Corps, 2nd Floor
12:45 p.m. – 4:30 p.m.	Technical Tour: Community Emergency Operations Center, Fibertown, and Disaster City Tour	Meet outside in front of the conference center at 12:45 p.m.
1:00 p.m. – 4:30 p.m.	Training: VISSIM Training	Ross, 2nd Floor
1:30 p.m. – 5:00 p.m.	District Board Meeting	Traditions, 2nd Floor
1:45 p.m. – 3:00 p.m.	Kyle Field Tour	Meet at registration desk
5:00 p.m. – 6:00 p.m.	Professional Ethics Seminar	Corps, 2nd Floor
5:00 p.m. – 6:00 p.m.	Younger Member Networking Hour	Block T Bar & Grill and Terrace, 3rd Floor
6:00 p.m. – 8:00 p.m.	Highway Products Group Exhibits and Reception	Prefunction and Century Ballroom
8:00 p.m. – Midnight	The Big Game	Century Ballroom
THURSDAY, APR	RIL 4	·
7:00 a.m. — 5:00 p.m.	Registration	Lobby
7:30 a.m. – 3:30 p.m.	Exhibit Hall Open	Prefunction
7:30 a.m. — 9:00 a.m.	Breakfast with Exhibitors	Prefunction
8:00 a.m. – 9:00 a.m.	Younger Member Event – Mentorship & BINGO	Century Ballroom I
8:00 a.m. – 9:00 a.m.	Roundabout Committee	Traditions, 2nd Floor
9:30 a.m. — 11:00 a.m.	Plenary Session 1: #RoadToZero: What Should We Be Doing?	Century Ballroom
11:30 a.m. –1:00 p.m.	"Kick-Off" Luncheon	Century Ballroom
1:30 p.m. – 3:00 p.m.	Plenary Session 2: Dealing with Growth and Changing Transportation Needs in BCS	Century Ballroom
3:00 p.m. – 3:30 p.m.	Student Poster Session and Break	Lobby and Prefunction
3:30 p.m. – 5:00 p.m.	3A: Navigating the Early Professional Years	Century Ballroom I & II
	3B: TxDOT on the Move	Century Ballroom III & IV
6:00 p.m. – 9:00 p.m.	Thursday Night Social and Traffic Bowl (Transportation and Dinner Included)	AgriLife Center and Leach Teaching Gardens Texas A&M University Campus
9:00 p.m. — Midnight	Thursday Late Night Social (Transportation Included)	The Backyard on Northgate
FRIDAY, APRIL 5		
7:00 a.m. — Noon	Registration	Lobby
7:00 a.m. – 8:00 a.m.	Breakfast	Prefunction
8:00 a.m. – 9:30 a.m.	4A: Pedestrian and Bicyclist Safety	Century Ballroom I & II
	4B: Innovative Operations – New Tools for Old Problems	Century Ballroom III & IV
9:30 a.m. – 10:00 a.m.	Student Poster Session and Break	Prefunction
10:00 a.m. — 11:30 a.m.	5A: Opportunities and Benefits With TexITE and ITE	Century Ballroom I & II
	5B: From Information to Implementation	Century Ballroom III & IV
Noon — 1:30 p.m.	Business Luncheon	Century Ballroom

## **TECHNICAL PROGRAM**

## **TECHNICAL PROGRAM**

9:30 a.m. – 11:00 a.m.	Plenary Session 1:	3
	#Road to Zero, What Should We Be Doing?	I
Location: Century Ballroom	MODERATOR: Gary Thomas, Ph.D., P.E., TexITE President	
	SPEAKER: Robert Wunderlich, P.E., Semi-Retired	
11:30 a.m. — 1:00 p.m.	"Kick-Off" Luncheon	
Location: Century Ballroom	<b>Welcome Speaker: Dr. Scott Shafer</b> , <i>Chief of Campus and Community</i> Engagement, Texas A&M University	
	Keynote Speaker: John A. Davis, P.E., PTOE, RSP1, ITE International President	
1:30 p.m. – 3:00 p.m.	Plenary Session 2: Dealing with Growth and Changing Transportation Needs in BCS	
Location: Century Ballroom	MODERATOR:	-
	Debra Albert, P.E., PTOE, Texas A&M Transportation Institute	
	SPEAKERS:	
	Emily Fisher, P.E., Director of Public Works, City of College Station	
	W. Paul Kaspar, P.E., CFM, City Engineer, City of Bryan	
	Peter Lange, Interim Chief Operating Officer, Texas A&M University	
	Jeff Miles, P.E., PTOE, TxDOT Bryan District Design Engineer	
	Daniel Rudge, Executive Director, Bryan/College Station MPO	1
3:00 p.m. – 3:30 p.m.	Student Poster Session	
Location: Lobby	A Comprehensive Study on Bike Share Users Safety Jannatul Tanjil, Texas Southern University	l
	Analysis of Geographical Disparities in Pedestrian Safety Jinli Liu, Texas State University	
	Application of Machine Learning Models to Predict Distracted Driving Crash Severity Zeeshan Mohammed, The University of Texas at Tyler	
	Behavioral Science to Better Understand the Managed Lane Use Using Real World Data Musfira Rahman, Texas A&M University	Г
	Enhancing Traffic Signal Timing Design via the Automated Traffic Signal Performance Measures (ATSPM) in the Loop Simulation: A Digital Twin Approach	

Student Po	ster Session (Continued)		
Evaluation of Community-Level Benefits for Regional Contraflow Strategy During Disaster Evacuation Md Ashraful Imran, The University of Texas at Arlington Future Development of Connected and Autonomous Vehicles Workforce: A Review of Existing Training Programs and Career Requirements Cheng Zhang, Texas A&M University Innovative Logit-Inspired Distribution for Modeling Headway of Heterogeneous Traffic Flow Natchaphon Leungbootnak, Texas A&M University			
		Collection	<b>n of Pedestrian Behavior Studies and Data</b> iversity of Texas at Arlington
			<b>Safety Improvement Project (ISIP) Phase 2</b> odaca, The University of Texas at El Paso
Concurrent	t Sessions 3A and 3B		
he Years ml≪	<b>3B: TxDOT on the Move</b> Location: Century Ballroom III & IV		
c	MODERATOR: Ashley Hill, P.E., TxDOT		
nication	SPEAKERS: Applying Automated Traffic Signal Performance Measures (ATSPM) to Complex Traffic Signal Planning and Design Dr. Taylor Li, P.E., University of Texas at Arlington Variable Speed Limits: Background and Guidelines for Texas Tomás Lindheimer, Ph.D., P.E., TxDOT		
to Licensure			
<b>e a P.E.?</b> tevens Technical			
— tion Institute			
our Plena onsor:	ry <b>HDR</b>		
	Evaluation of Contraflow S Md Ashraful Im Future Develo Vehicles Word Programs an Cheng Zhang, 7 Innovative Lo Headway of I Natchaphon Le Interpretatio Collection Mino Aji, The Un Intersection S Mariaelena Ape Concurrent the Years m I & II C Dication to Licensure e a P.E.? revens Technical cour Plena		

## **TECHNICAL PROGRAM**

FRIDAY, APRIL 5		
8:00 a.m. – 9:30 a.m.	Concurrent Sessions 4A and 4B	
4A: Pedestrian a Bicyclist Safet		4B: Innovative Operations – New Tools for Old Problems
Location: Century Ballroo	m I & II	Location: Century Ballroom III & IV
MODERATOR: Gregory Go, P.E. PTOE, ATG   DCCM		MODERATOR: Tom Hartmann, P.E., PTOE, IMSA TS II, Kimley-Horn
SPEAKERS:		SPEAKERS:
Including Pedestrian Safety in Rail Preemption Requests Dr. James Robertson, P.E., PTOE, R Lee Engineering		A Hybrid Mesoscopic, Microsimulation Model for Fort Smith, Arkansas Sudheer Dhulipala, P.E., PTOE, ATG   DCCM Dr. Tom Creasey, P.E., ATG   DCCM
Safety Evaluation of On-Stree Facility Design Features Bahar Dadashova, Ph.D., Texas A&A Institute	-	Traffic Analysis and Transportation Planning for 5,000-acre Development Christian DeLuca, P.E., PTOE, Kimley-Horn Rethinking "Special" Events —
PROWAG Final Rule: What Cha Erin Eurek, P.E., Kimley-Horn	nged?	Expanding Signal Ops to Minor Events Allyson Richey, P.E., Kimley-Horn
		Unleash the Power of Your ATMS Data Lance Ballard, P.E., Kimley-Horn

## SAVE THE DATE: NOVEMBER 13-15, 2024



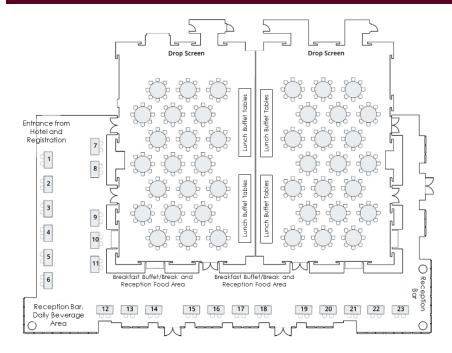
## **TECHNICAL PROGRAM**

		IECHNICAL PROGRA
RIDAY, APRIL 5		
9:30 a.m. – 10:00 a.m.	Student Poster Session	
Location: Prefunction	See pages 4–5 for participants.	
10:00 a.m. — 11:30 a.m.	Concurrent Sessions 5A and 5B	
5A: Opportunities Benefits with TexITE		5B: From Information to Implementation
Location: Century Ballroon	n I & II	Location: Century Ballroom III & IV
MODERATOR: Manu Isaac, P.E., Kimley-Horn		MODERATOR: Stephanie Taylor, P.E., PTOE, LJA
SPEAKERS: Karen Aspelin, P.E., PTOE, Olsson Alex Magdaleno, K Friese + Associates Brian Moen, P.E., City of Frisco Charles Stevens, P.E., PTOE, Stevens Technical Services Anamaria Torres, P.E., PTOE, Stantec		SPEAKERS: Modern Solutions Using Innovative Technology Sean Merrell, P.E., PTOE, BGE Brian Shewski, P.E., PTOE, City of Plano, Texas Which Pavement Markings Do Drivers Prefer? A Multi-Aspect Human Factors Study Maryam Shirinzad, P.E., Texas A&M Transportation Institute Achieving Vision Zero in Harris County — How Data Informs Implementation of
		Safety Projects Dena Snyder, P.E., PTOE, SV Traffic Truck Parking Vizualization Tools Empowered by Big Data Jack Kong, Texas A&M Transportation Institute Brittney Gick, Texas A&M Transportation Institute

Special thanks to our Technical Sessions Sponsor:

PAPE-DAWSON ENGINEERS

## **EXHIBITORS AND MAP**



# TexITE gratefully acknowledges the commitment and support of the exhibitors who help make this meeting a success.

COMPANY	BOOTH#	COMPANY	BOOTH#
Mobotrex	1	Consolidated Traffic Controls, Inc.	12
CATT Lab (University of Maryland)	2	SWARCO McCain, Inc.	13
Iteris, Inc.	3	Etherwan	14
Miovision	4	Pelco Products, Inc.	15
Econolite Control Products, Inc.	5	Texas Highway Products	16
Cubic	6	Quality Counts, LLC	17
AM Signal LLC	7	Twincrest Technologies	18
Gram Traffic North Texas, Inc.	8	Leotek Electronics USA, LLC	19
Paradigm Traffic Systems	9	Q-Free America	20
Applied Information	10	Traffic Signal Coordination Technologies	21
Wireless Technology, Inc. / WTI	11	ТАРСО	22
		Tiger TrafficAm	23



### **Improving and Communicating Speed Management Practices**

Ross (2nd floor) | Wednesday, 8:00 a.m. - Noon

The Improving and Communicating Speed Management Practices workshop will cover practices for conducting speed zone studies and setting regulatory speed limits. This material focuses first on TxDOT's current practices as described in the *Procedures for Establishing Speed Zones* manual, and then on new directions described in national research and policy-making activities, including NCHRP Research Report 966 (*Posted Speed Limit Setting Procedure and Tool: User Guide*).

Participants will have an opportunity to analyze two sample roadway speed zones twice: first using the *Procedures for Establishing Speed Zones* methodology, and then using the spreadsheet-based NCHRP 17-76 Speed Limit Setting Tool. These sample problems will provide an opportunity for the participants to discuss the issues and challenges with analyzing speed zones and setting regulatory speed limits. The workshop will also inform the participants about the availability of resources that can help them communicate speed limit setting practices and treatments that can help them manage speed on roadways. The communication resources include informational videos developed for engineers and citizens, an informational pamphlet, and talking points and frequently asked questions material. These resources were developed in TxDOT Research Project 0-7049. **Participants must bring their own laptop. No on-site registrations.** 



## **VISSIM Training**

### Ross (2nd floor) | Wednesday, 1:00 p.m. - 4:30 p.m.

Swastik Khadka and Dr. Taylor Li will present an interactive class as an introduction to microscopic modelling and basic traffic signal simulation in VISSIM. The course will be based on VISSIM training provided to students at the University of Texas at Arlington. Registrants will be provided with a temporary working license of VISSIM to install on their own computers in advance of the training and will be able to experience the model capabilities on a practice scenario. **Registrants must bring their own laptop. No on-site registrations.** 

## **TECHNICAL TRAINING**



## TECHNICAL TOUR

## Texas A&M University Bike Tour

Corps (2nd floor) | Wednesday, 10:00 a.m. - 11:30 a.m.

Byron Prestridge, Manager for Sustainable Transportation at Texas A&M University Transportation Services, will discuss how the university facilitates daily mobility for tens of thousands of students and staff. Following a presentation, join Byron for a campus tour on Veo e-scooters and bikes for an up-close look at different areas of campus to see how the university prioritizes active transportation.

Bike helmets are not provided; participants are encouraged to bring one. **No on-site registrations.** 

### **TECHNICAL TOUR**

### Community Emergency Operations Center, Fibertown, and Disaster City Tour

Wednesday, 12:45 p.m. - 4:30 p.m.

Take a tour of three emergency operations facilities in Bryan – College Station:

- the Brazos Community Emergency Operations Center (CEOC);
- the Fibertown Bryan Data Center; and
- the 297-acre TEEX Brayton Fire Training Field.

No on-site registrations. Transportation provided. Meet outside in front of the conference center at 12:45 p.m. The bus will depart at 1:00 p.m.





## NON-TECHNICAL TOUR

**Kyle Field Tour** 

Wednesday, 1:45 p.m. – 3:00 p.m.

Want to get an inside look at Kyle Field? Join us for a detailed look of the stadium, including the Hall of Champions, the sideline, a suite, and the highest stadium level.

Photography is permitted. **No on-site registrations.** Meet at the registration desk at 1:45 p.m. The group will walk over to Kyle Field together.

### NETWORKING EVENT

## **Golf Tournament**

The Golf Club at Texas A&M University | Wednesday, 8:00 a.m. – 1:00 p.m.

With Kyle Field and Texas A&M University as a backdrop, The Golf Club at Texas A&M University, renovated in 2013, is a par 71, 7,008-yard gem designed by Texas A&M's own Jeff Blume '89. Tournament registration includes a bucket of range balls to warm up, cart, tournament shotgun start at 8 am, and a fajita lunch afterwards. Awards will be given for 1st, 2nd, and 3rd place teams as well as longest drive and closest to the hole. **No on-site registrations**.

# Special thanks to our Golf Tournament Sponsors:

## NETWORKING EVENT

## **Sporting Clays Event**

Tonkaway Ranch | Wednesday, 8:00 a.m. - Noon

Enjoy sporting clays at beautiful Tonkaway Ranch on the outskirts of College Station. The event includes breakfast tacos, orange juice, water, and 50 rounds on the sporting clays course.

Shooters must provide their own transportation to the event, shotgun, and ammunition (50 rounds minimum). Shooters must be present for the safety meeting.

Ending time will depend upon number of shooters but is anticipated to be around noon. No on-site registrations. Only registered shooters allowed at event, no observers or guests.



Special thanks to our Sporting Clays Event Sponsors:



## **MEETING EVENTS**

## **MEETING EVENTS**

### NETWORKING EVENT

### Younger Member Networking Hour

Block T Bar & Grill Terrace, 3rd Floor | Wednesday, 5:00 p.m. – 6:00 p.m.

Younger members (35 years old or younger) are invited to meet at the Block T Bar & Grill on the third floor of the hotel to network. Outside of the bar area is a sweeping terrace overlooking Kyle Field for everyone to hangout and catch up before the evening events.





### NETWORKING EVENT

## Highway Products Group Exhibits and Reception

Prefunction and Century Ballroom | Wednesday, 6:00 p.m. – 8:00 p.m.

Visit your colleagues at the Highway Products Group Exhibits and Reception. Also learn about the latest innovations in signal equipment, pavement markings, signing, lighting, and much, much more. Heavy hors d'oeuvres will be provided.

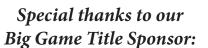


### NETWORKING EVENT

### **The Big Game**

Century Ballroom | Wednesday, 8:00 p.m. – Midnight

TexITE will be hosting its traditional Texas Hold'Em Tournament on Wednesday evening following the Highway Products Group Reception. No experience necessary. Come enjoy the fun, snacks, and prizes.







## Special thanks to our Social Session Sponsor:



### NETWORKING EVENT

### **Thursday Night Social and Traffic Bowl**

### AgriLife Center and Leach Teaching Gardens | Thursday, 6:00 p.m. - 9:00 p.m.

Please join us for an evening of great food and fun at the AgriLife Center and Leach Teaching Gardens on the Texas A&M University Campus. Wear your college colors and tour the seven-acre facility that is one of the nation's premier teaching gardens with over 30 different areas of unique regional floral and fauna displays, food and fiber fields, and peaceful water features. Network with your colleagues, play outdoor games with your friends and family, and cheer on your favorite Student Chapter team during the Traffic Bowl!

**Transportation:** Walking is encouraged, as the venue is an easy ½ mile walk through the Texas A&M University Campus. A bus will provide transportation from the hotel to the social venue and vice versa for those that need it and in case of inclement weather.



Location: The Backyard on Northgate 303 University Dr. College Station, TX 77840

### NETWORKING EVENT

## **Thursday Late Night Social**

The Backyard on Northgate | Thursday, 9:00 p.m. – Midnight

Younger Members (and those young at heart) will mingle and enjoy hanging out at The Backyard on Northgate. This venue has the largest patio and largest screen on Northgate.

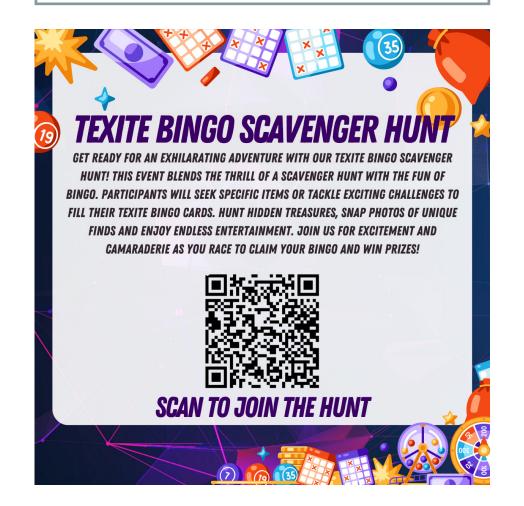
The group will begin at the Thursday Night Social and travel to The Backyard (transportation provided). From The Backyard, it is an easy 15-minute walk back through campus to the conference hotel.



Special thanks to our Lanyard Sponsor:

**Kimley»Horn** 

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# Thank you 2024 TexITE **Meeting Sponsors**

## **Platinum Sponsors**

















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**Silver Sponsors** 



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- ★ El Paso: IH-10 downtown modification assessment
- ★ Austin: IH-35 corridor study
- ★ President George Turnpike; LBJ Expressway; Sam Rayburn Tollway; Chisholm Trail Parkway; Dallas North Tollway Extension; and many more!

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