MID-COLONIAL DISTRICT

THE BIRTHPLACE OF ITE

Traffic Bowl & Technical Meeting

APRIL 16TH, 2024 | COLLEGE PARK, MD

WELCOME!

We are excited to welcome you to this unique opportunity to hold a District Technical Event centered around our students competing in the Traffic Bowl. We appreciate your attendance at this event. Thank you to our sponsors for supporting MCDITE and our mission to serve the profession. And, special thanks to our Planning Committee without whom this event would not have been possible. We hope you enjoy the event, and we look forward to meeting you all, and can't wait for the ITE International's Annual Meeting in Philadelphia!

David Duarte, PE, PTOE
2024 Chair
JMT

Shraddha Praharaj, PhD, EI
2024 Chair
The City of Frederick
Engineering Department

AGENDA

All Day	Registration Table Open @ 8:30 AM	
9:00 - 9:20 AM	Coffee & Light Breakfast	
9:20 - 10:50 AM	Track 1: Standards In Practice	Track 2: MD CAV Working Group
10:50 - 11:05 AM	BREAK	
11:05 AM - 12:20 PM	Track 3: Transportation & Tech	Track 4: Active Transportation
12:20 - 1:30 PM	LUNCH	
1:30 - 3:30 PM	Demonstration & Technical Tour	
3:30 - 3:45 PM	BREAK / WALK TO *THE HALL CP*	
3:45 - 7:00 PM	Traffic Bowl & Social	

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Conference Sponsor

WHO'S WHO: TECHNICAL PRESENTATIONS

Track 1: Standards In Practice

MUTCD Updates - FHWA Division Office Perspective - **Serena Liu, PE, PTOE, FHWA**
A high-level overview of options for states to adopt two years after the official Final Rulemaking.

Accessible Floating Bus Stop Design: Key Takeaways from a Montgomery County Pilot Demonstration - **Jameson Keeton, Toole Design**
This presentation will cover key takeaways from an accessible floating bus stop pilot in downtown Silver Spring, MD.

Pennsylvania VRU Safety Assessment - **Jason Hershock, PennDOT**
Covers the Federal Highway Safety Improvement Program (HSIP) and Vulnerable Road user (VRU) requirements.

Horizontal Curves--Evaluations & Recommendations - **Jacob Kulhanek, DelDOT**
The Delaware Department of Strategic Highway Safety Plan evaluates horizontal curves to ensure compliance with the DEMUTCD.

Track 2: MD CAV Working Group

Panel Discussion
Van "Kevin" Stitcher, Maryland State Police
Richard Bishop, Bishop Consulting
Ed Pavelka, Johns Hopkins University Applied Physics Lab
Warren Henry, Maryland DOT State Highway Administration

Maryland's vision for connected and automated vehicles (CAVs) is to uphold and enhance a safe, efficient, and equitable transportation future.

Track 3: Transportation & Tech

Artificial Intelligence-based Integrated Transportation Management System (AI-ITMS) and Beyond - **Ziyi Ma, BlueHalo**
AI-based Transportation Operations and Management System (AI-TOMS) to enhance DelDOT ability to monitor the transportation system.

Assuring the Future of Autonomous Transportation - **Ed Pavelka, Johns Hopkins University Applied Physics Lab**
The presentation will include a summary of IAA's research vehicles and research topics.

SEPTA's Camera Bus Lane Enforcement Program - **Matt Zapson, SEPTA**
Using AI to Improve Transit Safety, Accessibility, and On-Time Performance.

Track 4: Active Transportation

Enola Grade Trail - **Scott Seibel, Michael Baker**
The Enola Low Grade Trail is a recreational trail that stretches across southern Lancaster County, Pennsylvania.

Loudoun County Sidewalk & Trail Prioritization Study - **Laura Ghosh, Loudoun County DTCI**
Equity analysis when planning and prioritizing future sidewalk and trail projects.

Vision Zero program & Two-way Separated Bike Lane - **Amanda Rodriquez, The City of Salisbury**
Outlines the City of Salisbury's success in reducing traffic fatalities and severe injuries from 2018 to present.

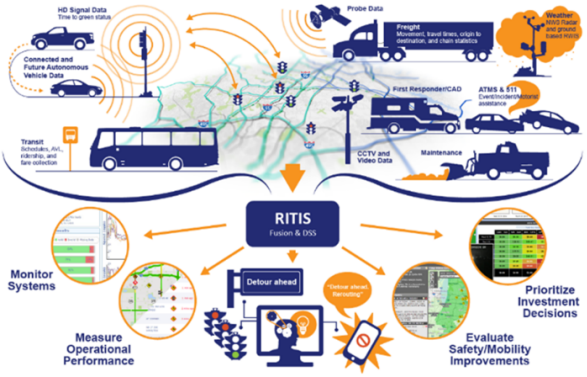
TECHNOLOGY'S EDGE: TECHNICAL DEMONSTRATIONS

M-TRAIL

Ride an autonomous vehicle! The vehicle is equipped with an array of sensors and is used to perform autonomous driving research.

CATT LAB

The CATT Lab tour will highlight the Regional Integrated Transportation Information System (RITIS) which fuses data from 40 state DOTs partners and ~17,000 registered users. This tour will feature the RITIS real-time transportation map, probe data analytics, trajectory data analytics, and traffic signal analytics.



TS&T

Lidar at intersections, radar on highways, and ThruGreen as a conduit for legacy systems to the new systems, also connect to EVP, TSP too. See how these innovations can improve traffic efficiency and safety, money, and time.

JMT

Drive a simulator! Allows the user to virtually drive a themed character through a model environment.

THANK YOU TO OUR SPONSORS!

TECHNICAL PROGRAM

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HOWARD UNIVERSITY

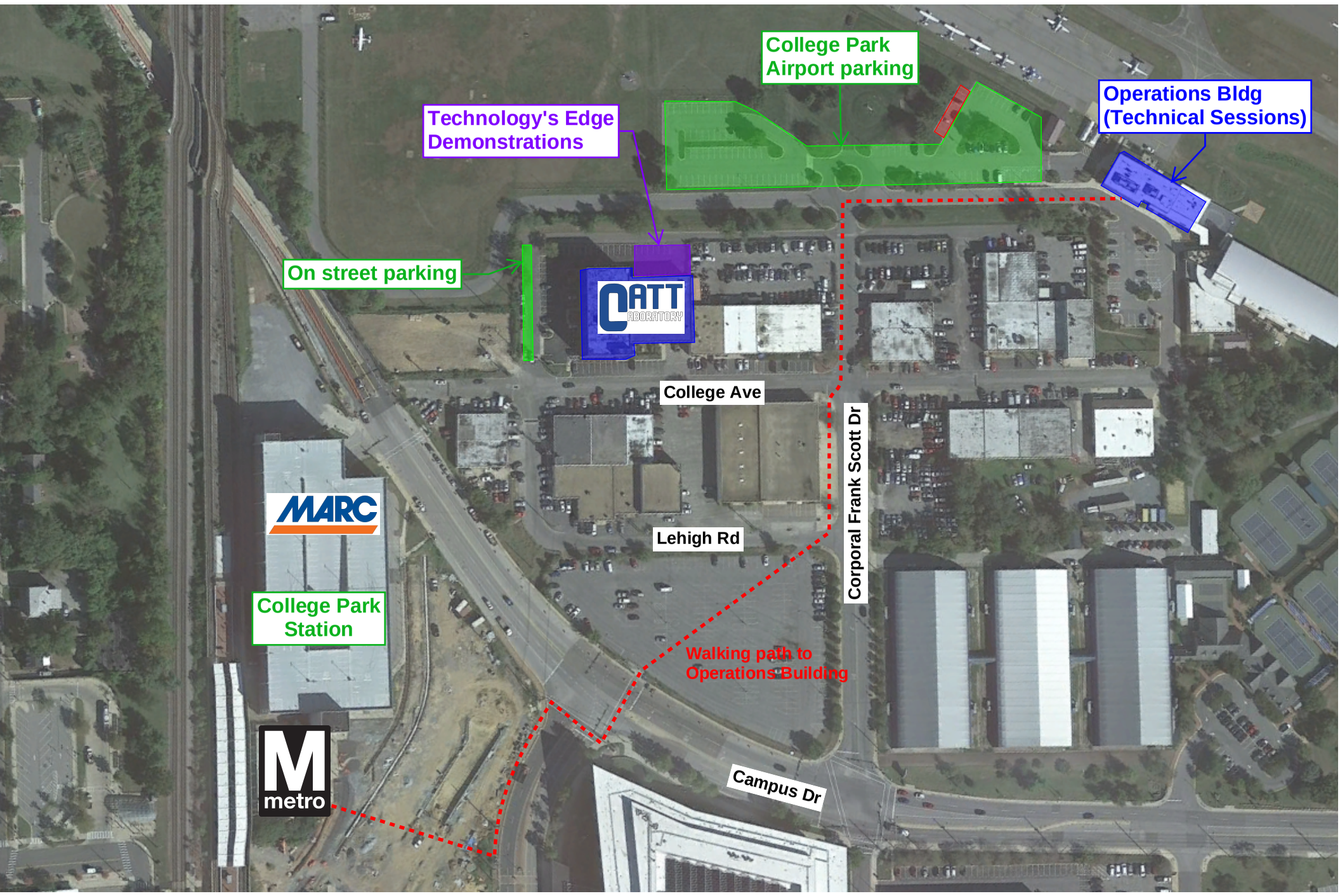
UNIVERSITY OF MARYLAND

MORGAN STATE UNIVERSITY

PennState

West Virginia University

Thank you to our university Traffic Bowl teams! Join us in cheering them on as they compete for a chance to represent their school at the 2024 ITE Annual Meeting!



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Location Map

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Pedestrians & Tech Tour Map