



Massive Traffic Experiment Pits Machine Learning Against 'Phantom' Jams



Can a few autonomous vehicles in mixed traffic help us save fuel and reduce congestion? Project CIRCLES, led by ITS affiliates Professors Alexandre Bayen and Maria Laura Delle Monache and Dr. Jonathan Lee, with over a dozen Berkeley graduate students and a team of researchers, set to find that out by traveling to Tennessee for a five-day field trial outside of Nashville. The test included 100 semi-autonomous vehicles with an AI-powered cruise control system on I-24 during the morning commute. [See what they discovered](#)

11 Students Earn Eisenhower Fellowships, 1 Selected as RSA Security Scholar



Congratulations to ITS students Mohamed Amine Bouzaghrane, Jacquelyn Broader, Dawson Do, Dagin Faulkner, Matthew Hui, Michael Montilla, Marcel Moran, Aqshems Nichols, Alex Pan, Madeleine Parker and Samantha Serafica, who **earned Dwight David Eisenhower Transportation Fellowship Program (DDETFP) fellowships** for the coming year. **Congratulations to Faulkner on being elected as 2023 RSA Security Scholar.**

Find ITS @ TRB Jan. 8-11, 2023: Schedule

Numerous Institute of Transportation Studies Berkeley Faculty, Researchers, and Students will be at the Transportation Research Board Annual Meeting. [See the schedule](#)



SafeTREC Receives \$5.1 Million Grant Funding from the California Office of Traffic Safety



The UC Berkeley Safe Transportation Research and Education Center (SafeTREC) received \$5,103,550.00 in grant funding from the California Office of Traffic Safety (OTS) to support crucial traffic safety programs. [Read more about the grant](#)

Bill Quirk Joins ITS Berkeley Senior Fellows

The Institute of Transportation Studies Berkeley is excited to announce new ITS Senior Fellow Bill Quirk. Quirk served in the California Legislature from 2013-2022 as a California State Assembly Member representing Southern Alameda County.

[Read more about Bill](#)



CITRIS researchers to help Northern California communities reduce wildfire risk with dynamic modeling and serious games



ITS affiliate Kenichi Soga, the Donald H. McLaughlin Chair in Mineral Engineering and Chancellor's Professor at UC Berkeley, and researchers will use a CITRIS grant over three years to develop an interdisciplinary framework to simulate wildfire evacuation methods in two Bay Area communities and to educate community members on how to escape wildfires safely. [Read more](#)

Celebrate 75 Years of ITS Berkeley with a \$75 donation

NEWS BITS & KUDOS

- News bits:
 - [Addressing the Structural Foundations of Homelessness in the Bay Area](#)
 - [Urban Mobility Readiness Index Released](#)
 - [Clean Air Act Dramatically Cut Vehicle Air Pollution, but Equity a Concern](#)
 - [How Much Are We Exposed to Emissions from Road Construction Activities?](#)
- New Research:
 - [Clean Takeoff: Policy Solutions to Promote Sustainable Aviation in California](#)
 - [Case Studies: Deploying Zero-Emission Vehicle Infrastructure Innovations to Accelerate Transportation Decarbonization](#)
 - [Supercharging Electrolyzers: Boosting Zero-Emission Hydrogen Production and Deployment in California](#)
 - [Cross-sectoral and Multiscalar Exposure Assessment to Advance Climate](#)

Adaptation Policy: The case of future coastal flooding of California's airports

- Media appearances:
 - **CIRCLES Megavandertest Media Appearances**
 - **Study Shows the Majority of California's Coastal Airports Are Vulnerable to Increased Flooding Caused by Climate Change**
 - **What's Going On At COP 27, The United Nations Climate Change Conference Meets In Egypt**
 - **Republicans who blasted EVs might be powerless to stop them**
 - **Will electric cars replace the need for public transit in California?**
- Applications are open:
 - **2023 Complete Streets Safety Assessment Program**
 - **2023 Tribal Transportation Safety Assessment Program**
- Videos:
 - **ITS Transportation Seminars in Review**
 - **Bicycling On the Sidewalk: Managing Safety for All**
- Welcome: Please welcome new ITS Berkeley Postdoc Sarah Lindbergh
- In Memoriam:
 - Save the Date: The Electrical Engineering and Computer Science Department has scheduled a memorial for Pravin Varaiya on April 19, 2023 (Wednesday) between 3:30 pm and 6 pm in the Wozniak Lounge/Terrace (4th floor Soda Hall). More information to follow.
 - Hale Zukas, disabilities advocate, died on Nov. 30, 2022. Hale was an inspiration for many and a familiar figure around Berkeley. Hale came and spoke about access to many planning classes, attended events, advised students and changed the world. **See MTC's tribute to Hale.**

EVENTS

SUNDAY, JANUARY 8, 2023

ITS Berkeley TRB Reception

Celebration | January 8 | 6:30-8:30 PM | Cuba Libre Restaurant & Rum Bar - Washington, D.C.

Join ITS Berkeley at the Annual Transportation Research Board Annual Meeting for a reception with friends, faculty, staff, students, and alumni at Cuba Libre Restaurant & Rum Bar - Washington, D.C. on Jan. 8, 2023 from 6:30-8:30 p.m.

CSCRS Safety Sunday @TRB

Celebration | January 8 | 5-6:30 PM | Marquis Salon 4 (M2) / Marriott Marquis Washington, DC, 901 Massachusetts Ave NW, Washington, DC 20001

The Collaborative Sciences Center for Road Safety (CSCRS) is hosting Safety Sunday @TRB, an evening for safety conversations and networking on Sunday, January 8, 2023. Drop by and join the conversation with Offer Grembek, SafeTREC co-director/CSCRS associate director and other University Transportation Center representatives from 5-6:30 p.m. in the Marquis Salon 4 (M2) / Marriott Marquis Washington, DC, 901 Massachusetts Ave NW, Washington, DC 20001. Casual, refreshments provided, cash bar available.

FRIDAY, JANUARY 20, 2023

ITS Transportation Seminar: Marco Gonzalez

Seminar | January 20 | 3-4 p.m. | 290 HMMB

ITS Berkeley presents the ITS Transportation Seminar with UC Berkeley Agricultural Resources and Economics Associate Professor Marco Gonzalez-Navarro at 3 p.m. in 290 Hearst Memorial Mining Building. Coffee and cookies at 2:30 p.m.

MONDAY, JANUARY 23, 2023

California MUTCD Overview and Updates

Course | January 23 | 2-4 p.m. | Online

WEDNESDAY, JANUARY 25, 2023

Fundamentals of Inspection Practice

Course | January 25 | 8 a.m.-5 p.m. | SpringHill Suites, Sacramento Airport

FRIDAY, JANUARY 27, 2023

ITS Transportation Seminar: Eric Feron

Seminar | January 27 | 3-4 p.m. | 290 HMMB

Eric Feron, Electrical and Computer Engineering Professor at King Abdullah University of Science and Technology, will present Complex Systems Engineering Theory is a Scientific Theory at the ITS Transportation Seminar at 3 p.m. in 290 Hearst Memorial Mining Building. Coffee and cookies at 2:30 p.m.

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