



METRANS on the Move: **our weekly newsletter written and produced by students**



In the News

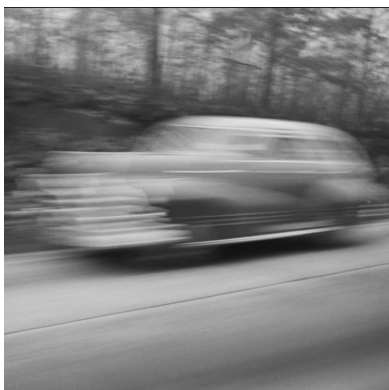
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Student Workers Gear Up for Another Semester at METRANS

As the calendar turns to a new year and the lecture halls of USC once again open for classes, it's back to regular business for the different student teams at METRANS. Over the past few weeks, METRANS' student workers took advantage of time off during their winter break to relax, recover from school, and travel. Some vacation plans did not go as smoothly as others.

Read more [here](#).



Extreme Acceleration Is the New Traffic Safety Frontier

You're walking up Second Avenue. The red hand at 125th Street has started flashing. But like any reasonably fit New Yorker walking at a brisk New York City pace, you step off the curb; with the cross traffic stopped on the far side of the intersection and not crowding against the crosswalk you're in, you figure you'll have bit of time after the light changes before a car can reach you.

Read the Bloomberg feature [here](#).



Advances in Autonomous Trucking Stand Out at CES

Advances in the development of autonomous trucks highlighted a heavy focus on commercial vehicles and supply chain technologies at CES 2023. Developers such as Waabi, Waymo, Aurora, Gatik, Plus and Kodiak Robotics showcased their automated driving systems, met with attendees and participated in panel discussions at the massive annual technology expo, held Jan. 5-8.

Read the Transport Topic feature [here](#).



CES 2023 Spotlights EV, AV, Air Taxi Technology

Some 100,000 attendees are expected to flock to CES in Las Vegas this week, where transportation technology will play a big part in the show. In the automotive sector alone, nearly 300 exhibitors will be present, headlined by global launches and keynote addresses from BMW and Stellantis. But the sky is not the limit, as companies including Archer Aviation and Aska highlight some of the latest developments in advanced air mobility.

Read the SMARTCITIESDIVE feature [here](#).

Webinars & Online Events

Move it! Infrastructure and agriculture webinar

Thursday, January 19th at 1:00 pm PST/4:00 pm EST (online), hosted by GrowNextGen

Join Mike Hogan and others from Consolidated Barge and Grain as the process of grain transfer and export through various infrastructure in the United States is explained. The history of barge freight, intermodal transportation of agricultural products, and associated careers will be discussed. There will be time for questions and answers within the hour presentation. Please invite a social studies and a computer science instructor to join you as you participate!

[More Info](#)

Webinar: Combating Human Trafficking in Transportation

Tuesday, January 24th at 11:00 am PST, hosted by Mineta Transportation Institute

Human trafficking, a form of modern slavery, is the recruitment, transport, and/or transfer of persons using force, fraud, or coercion to exploit them for acts of labor, services, or sex. According to the International Labor Organization, 49.6 million people were living in modern slavery in 2021, of which 27.6 million were in forced labor and 12% of all those in forced labor were children. Human trafficking is the fastest-growing organized crime with approximately \$150B in annual profits. Like any business, trafficking relies on the transportation network—to recruit, move, or transfer their victims and to move goods produced by forced labor. Therefore, the transportation industry plays a critical role in preventing and combating human trafficking, as well as providing access for many survivors trying to leave their trafficking situation and obtain aid to rebuild their lives.

[More Info](#)

Webinar: Contracting Approaches for ITS and Transportation Technology Useful for Small and Rural Community Applications

Tuesday, January 24th at 10:00 am PST, hosted by ITE

One of the biggest challenges in deploying advanced traffic management and control systems is the procurement process. This webinar explores different innovative approaches to prioritizing, contracting, and procuring ITS technology, software, and services that may be implemented in rural and small communities.

[More Info](#)

ASPA-STPA's Best Student Paper Award Committee

Wednesday, February 1st (in-person), hosted by American Society for Public Administration (ASPA)

STPA invites undergraduate and graduate students who have written research papers related to transportation policy and administration to submit them for consideration. Papers should be prepared according to a standard style such as APA. They should be between 20 and 35 pages in length and include citations and references. The review committee encourages students to submit copies of conference papers or unpublished manuscripts. Literature reviews and review essays are not eligible for consideration. Papers co-authored with faculty members are not eligible. The maximum number of student collaborators is limited to three. The committee will evaluate papers in a blind review process. Students are asked to submit a separate title of the paper and only include the author(s) name and affiliation on the title page.

[More Info](#)

Webinar: Arterial Signal Timing Implementation, Evaluation, and Related Performance Measures

Thursday, February 2nd at 11:00 am PST/2:00 pm EST, hosted by ITE

This webinar is one in a series related to the design and operation of signalized intersections. There is much material available on the development of signal timing patterns, including data collection, modeling, and optimization, but not much information exists on how to implement those timing parameters into the intersection controllers and the fine tuning needed to provide the optimum corridor operation. This webinar will close that gap by discussing the best practices for implementing new timings, evaluating those timings through a fine tuning process and developing a before-and-after analysis, and a discussion of arterial performance measures that can be monitored to identify any degradation of the timing patterns.

[More Info](#)

Webinar: Leadership in a Hybrid World

Wednesday, February 8th at 12:00 pm PST/3:00 pm EST, hosted by ITE

The objective of this webinar is to share with our fellow transportation professionals what industry leaders are doing to address the hybrid/virtual work place of the future. Since the COVID-19 pandemic hit in December 2019, we have all been in a constant state of flux in our professional organizations – having to adjust and accommodate a hybrid – virtual/an in-person working environment. This webinar will identify various approaches to the hybrid/virtual work place based on our speakers who represent different professional sectors – public, private, academic, and vendors. The attendees of this webinar will learn what some of the challenges and opportunities are associated with leadership in a hybrid world. This will be followed by a live question and answer session where speakers will respond to the unique issues of the participants.

[More Info](#)

Webinar: Career Series #1 – Transportation Equity: Community-Building in Action
Wednesday, February 8th at 10:00 am PST/1:00 pm EST, hosted by Transportation Research Board

In these times of rapid and unprecedented change, our recognition of the critical need for urgent action in advancing greater workforce diversity and development, innovation and continuous learning, and “people-readiness” at all levels has risen to new levels. With a vastly changing national and global landscape – climate change, growing inequality, increasing digitalization, new players and business models – this webinar series will highlight the critical role of these careers in community building, achieving equity-centered and sustainable outcomes, and offer new insights on their potential to help redress historic systemic inequities in access to greater opportunities.

[More Info](#)

Webinar: Delivering Equity in Transit and Next Steps

Tuesday, February 14th at 11:00 am PST/2:00 pm EST, hosted by ITE Transit Standing Committee & Health Committee

Public transit has not regularly provide equal access to employment, education, health care, and other vital social services for millions across the US and Canada. Despite systemic, pandemic-driven changes to travel patterns, most transit systems continue to prioritize service for traditional, 9-5 white collar commuters. This persistent bias for suburban-to-city resources continues to exclude millions who do not work downtown or remotely, do not live near a frequent arterial bus route, or cannot afford to travel by other means.

[More Info](#)

IAME Conference 2023

Sunday, September 5th (in-person), hosted by METRANS

Join us at IAME 2023, the International Association of Maritime Economist Conference, to explore and learn about what is next for maritime. The conference will be hosted in Long Beach, California.

[More Info](#)

Fast Facts

Created for Students, by Students

Charging Forward: Deploying Electric Vehicle Infrastructure for Uber and Lyft in California

Author: Alan Jenn

Year: 2021

Keywords: Electric Vehicles, Charging Infrastructure, Transportation Network Companies, Clean Miles Standard



Check this week's featured Fast Facts [here](#).
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Pathways to Opportunity

Intern

Street Light Data

Apply ASAP

[see more info](#)

Intern

Bombardier

Apply ASAP

[see more info](#)

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Assistant Planner

Sonoma-Marin Area Rail Transit (SMART)

Apply by 01/15/23

[see more info](#)

Assistant Director of Engineering

City of Encinitas

Apply by 02/02/23

[see more info](#)

[More Job Opportunities Here](#)

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