



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



In the News

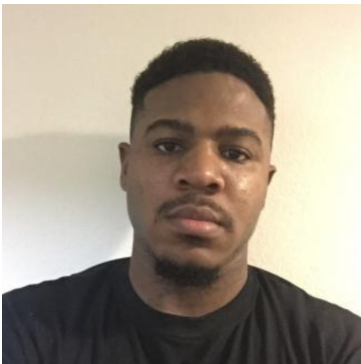
The articles in this newsletter are prepared or accomplished by others in their personal capacity. The opinions expressed are the author's own and do not necessarily reflect the views of METRANS or its partners.



PSR Hosts Seminar on Inequities in Vehicular Air Pollution in Los Angeles

On Wednesday, March 30th, the Pacific Southwest University Transportation Center (PSR) hosted Professor Geoff Boeing and USC Urban Planning and Development PhD students Yougeng Lu and Clemens Pilgram for a seminar on the environmental justice issues of vehicle pollution.

Read more [here](#).



UCI's De'Von Jennings, Traffic System Engineering PhD Candidate, Is Selected As a AAAS Fellow

AAAS Science & Technology Policy Fellowships (STPF) was started in 1973 to provide opportunities to outstanding Doctoral scientists and engineers to learn first-hand about policy making while contributing their knowledge and analytical skills to the federal policymaking process.

Read the UCI feature [here](#).



UCLA MURP student uses life experiences to fight for equity in transportation

As a young adult in the Watts neighborhood of Los Angeles, Paola Tirado Escareño dreamed of one day owning a car. Her household shared a single vehicle, and public transportation only delivered access to a limited number of destinations. A car, she thought, could provide a dose of freedom

Read the UCLA feature [here](#).



To reduce transportation emissions, make it realistic for people to ditch cars

Building walkable communities with easy access to public transit is key to reducing our reliance on cars and achieving environmental goals, writes the CEO of Keolis North America.

Read the SMARTCITIESDIVE feature [here](#).



How E-Scooters Are Transforming Tel Aviv

Sidewalks are marked with parking spaces for electric scooters, and there are bike racks galore. Battery-powered two-wheelers vie for space along the boardwalk of Tel Aviv's famed beaches and filter through traffic on the city's often-congested streets.

Read the Bloomberg CityLab feature [here](#).

Webinars & Online Events

Webinar: Reforming Governance to Transform Cities

Thursday, May 5th at 11:00 am PDT/2:00 pm EDT, hosted by Eno Center for Transportation

Cities own the streets that transit agencies need for their bus lanes. Regions often lack a coordinated entity to oversee implementation of road pricing. Freight rolling off a regional port hub is not always synced with the state and local roadways that connect it.

[More Info](#)

Data for Active Transportation Research and Planning

Friday, May 6th at 1:40 pm PDT (hybrid), hosted by ITS-Davis

Lack of available data can be a barrier to bicycling and pedestrian research and planning. Much of my team's research focuses on building novel data sources to map bicycling infrastructure, safety, and volume. In this presentation I will outline how we are using OpenStreetMaps to map bicycle infrastructure, crowdsource webmaps (BikeMaps.org and WalkRollMap.org) to map safety and access concerns, and modelling ridership using Strava data. I will discuss how crowdsource data provide unique opportunities to enhance active transportation data, but also challenges particularly around representativeness and equity.

[More Info](#)

METRANS Event: Markos Papageorgiou Presents: A New Traffic Paradigm in the CAV Era

Monday, May 9th at 9:00 am PDT (virtual), hosted by METRANS

The ERC Advanced Grant TrafficFluid (2019-2024) launches a novel paradigm for vehicular traffic in the era of connected and automated vehicles (CAVs), which is based on two combined principles. The first principle is lane-free traffic, which renders the driving task for CAVs smoother and safer, as risky lane-changing maneuvers become obsolete; increases the capacity of the roadway due to increased road occupancy; and mitigates congestion-triggering vehicle maneuvers. The second principle is vehicle nudging, whereby vehicles may be "pushing" other vehicles in front of them; this allows for traffic flow to be freed from the anisotropy restriction, which stems from the fact that human driving is influenced only by downstream vehicles.

[More Info](#)

CSCMP Southern California Roundtable presents: Private Tour of Dodger Stadium

Wednesday, May 11st at 11:30 am PDT, hosted by CSCMP

Join the SoCal Roundtable for a private tour of Dodger Stadium. We will go behind the scenes and see how they keep this amazing stadium in top shape year round.

Members: \$50, Non-Members: \$65, **Students: \$20**, Young Professional: \$33

[More Info](#)

Webinar: Present Issues and Progress towards Inclusive Transportation, hosted by the TRB Standing Committee on Women and Gender in Transportation

Friday, May 13th at 10:00 am PDT/1:00 pm EDT, hosted by Transportation Research Board

Join for a panel discussion on: Present Issues and Progress towards Inclusive Transportation as part of the AME20 Spring Meeting. This panel will showcase recent research on that centers the needs and experiences of travelers with disabilities and of marginalized gender identities.

[More Info](#)

2022 ITS California Annual Conference & Exhibition

May 16th to 18th at Hyatt Regency San Francisco Airport, hosted by ITS California

Please check the Membership list to see if your organization is an ITS California Member to use the Membership discount.

[More Info](#)

Webinar: Impacts on Roads from Automated Driving Systems (ADS)

Thursday, May 19th at 10:00 am PDT/1:00 pm EDT, hosted by USDOT

The recent Infrastructure Investment and Jobs Act (IIJA) calls for the Federal Highway Administration (FHWA) to conduct a study on the impacts of Automated Driving Systems (ADS) to transportation infrastructure, mobility, the environment, and safety. This study discusses both existing and future impacts of ADS on a range of areas, including but not limited to the existing transportation infrastructure, traffic operations, congestion, the environment, and personal mobility. This webinar will provide an overview of this study and highlight various automation-related activities across the FHWA.

[More Info](#)

2022 CITT State of the Trade and Transportation Industry Town Hall Meeting

Tuesday, May 24th at 7:30 am PDT (in-person), hosted by Center for International Trade &

Transportation

A free in-person Town Hall Meeting (including breakfast) and the presentation of the Domenick Miretti Award to TTSI's Vic La Rosa.

While the world awaits a clear victory over a global pandemic, the supply chain carries on. Disruptions and delays have been the big story in the news; but the supply chain has been surprisingly resilient in the face of unprecedented consumer demand over the past two years. As the freight system navigates these challenges, it also continues to work toward the sustainability goals set out by the State and called for by local communities.

[More Info](#)

METRANS Event: 9th METRANS International Urban Freight Conference

May 25th to 27th at Hyatt Regency Long Beach, hosted by METRANS

The International Urban Freight Conference (I-NUF) is the premier biennial conference that addresses all aspects of city logistics and goods movement in the world's metropolitan areas. The conference brings together researchers and practitioners in urban freight, supply chains, and logistics from around the world. It is a showcase for cutting-edge research and dynamic information-sharing and provides a forum for researchers, policy makers, and practitioners to reimagine and guide the future of the industry.

[More Info](#)

Webinar: Cloud storage and data analytics and the impacts on Transportation

Friday, May 27th at 9:00 am PDT, hosted by ITS-Irvine

Speaker: Randy Iwasaki, Leader, State and Local Transportation, Amazon Web Service (AWS).

[More Info](#)

Conference on Sustainability and Emerging Transportation Technology

May 31st to June 2nd (in-person), hosted by Transportation Research Board

Transportation technologies (e.g., connected and automated vehicles) and new approaches to mobility (e.g., shared services) are advancing so rapidly that it can be difficult for policy makers to frame incentives, regulations, and market signals to promote all three pillars of sustainability: equity, the environment, and the economy. The Sustainability and Emerging Transportation Technology (SETT) Conference will address questions around how academics, policy-makers, the private sector, NGOs, and others can work together to shape new mobility solutions to benefit all users of our transportation systems.

[More Info](#)

ITSWC22 Student Essay and Video Competition (Sep 18-22)

Due on June 1st.

Turn your knowledge of Intelligent Transportation Systems (ITS) into cash and win national recognition. ITS America Events and Southwest Research Institute® (SwRI®) are proud to partner once again for the 11th annual 2022 ITS Student Essay and Video Competition. This competition serves as an opportunity for today's transportation, engineering, and public policy students to apply their knowledge in a thought-provoking manner for a chance to win scholarship money, while building awareness of the high-tech transportation industry as a limitless career path.

[More Info](#)

Webinar: The Accessibility Shift: Transforming Urban Transportation and Land-Use Planning

Friday, June 24th at 9:00 am PDT, hosted by ITS-Irvine
Speaker: Jonathan Levine, Professor, University of Michigan.

[More Info](#)

Webinar: Innovation Roadmaps for Freight Transportation in Europe

Friday, July 8th at 9:00 am PDT, hosted by ITS-Irvine

Speaker: Lori Tavasszy, Professor, TU Delft.

[More Info](#)

Fast Facts

Created for Students, by Students

Non-myopic pathfinding for shared-ride vehicles: A bi-criteria best-path approach considering travel time and proximity to demand

Author: Michael Hyland, Dingtong Yang, and Navjyoth Sarma, UC Irvine

Year: 2021

Keywords: Ridesharing, Bi-criteria routing, Pooling, Vehicle Routing, Optimization, Shared Mobility



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

Looking for more Fast Facts? Check out the Fast Facts Page on metrans.org!

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Pathways to Opportunity

Planning Intern

City of Carson

Apply ASAP

[See more info](#)

APA Scholarship

American Planning Association Foundation

Apply by 06/14/2022

[See more info](#)

[More Internships and Scholarships Here](#)

Transportation Planner
STV
Apply ASAP
[See more info](#)

Associate Planner
City of Claremont
Apply ASAP
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