



METRANS on the Move: our weekly newsletter 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.



NAU's Katherine Riffle named PSR Master's Student of the Year

We are pleased to congratulate Katherine Riffle for being awarded PSR UTC Master's Student of the Year. Katherine is a student in the Master of Science in Civil Engineering program at Northern Arizona University (NAU). She graduated with honors with a Bachelor of Science in Mechanical Engineering and a minor in Civil Engineering and Mathematics in 2020.

Read more [here](#).



NCST hosts USC's Hilda Blanco: Optimizing Opportunities for Housing from Failing Shopping Malls

In the webinar, Dr. Blanco shared the findings from her recent study of distressed malls in California metropolitan areas. In this study, she estimated the potential of these malls for mixed-use development, including housing. Her case studies included malls both with and without redevelopment plans and illustrated issues that could hinder or facilitate redevelopment.

Read more [here](#).



Metro staff recommend Union Station route for West Santa Ana Branch

In a presentation scheduled for the January 19 meeting of the Board's Planning Committee, Metro staff have recommended that Union Station should be selected as the eventual northern terminus of the WSAB.

Read the URBANIZE feature [here](#).



Can Milan Become Europe's Most Bike-Friendly City?

Italy's most populous metro area will build hundreds of kilometers of protected cycling lanes to ward off worsening pollution from cars and trucks.

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



Lithium batteries' big unanswered question

As the world looks to electrify vehicles and store renewable power, one giant challenge looms: what will happen to all the old lithium batteries?

Read the BBC feature [here](#).

Webinars & Online Events

WEBINAR: Aviation and Climate Change Forum

Thursday, January 20th at 10:00 am PST, hosted by Saint Jose State University

Aviation's impact on climate change is significant, and without mitigation, this impact is expected to grow as the industry recovers from the global pandemic. Climate change has a corresponding, large impact on aviation; changing weather patterns can affect aircraft performance, infrastructure, and operations.

[More Info](#)

PSR Webinar: From psychology to sustainability: how bikes and scooters can reshape urban mobility

Friday, January 21st at 1:40 pm PST (hybrid), hosted by UC Davis

Speaker: Dillon Fitch, Co-Director BicyclingPlus Research Collaborative, Research Faculty, Institute of Transportation Studies, University of California, Davis

[More Info](#)

WEBINAR: Building a MVC injury system of linked data: Lessons learned & questions answered about pedestrian injuries

Wednesday, January 26th at 11:30 am PST/2:30 pm EST, hosted by CSCRS

The free online seminar will examine how linking motor vehicle crash (MVC) and healthcare data has the potential to generate a more comprehensive understanding of MVC injuries.

[More Info](#)

WEBINAR: Fuel Cell Electric Trucks In The Pacific Northwest

Wednesday, January 26th at 1:00 pm PST, hosted by Mindful Mobility Tech Talks

What actions and policies from government and private industry are needed to drive the rollout of trucks and heavy-duty hydrogen stations?

[More Info](#)

ITS Davis Webinar: Not Your Father's Heavy-Duty Trucks: Electric trucks as a substitute for new road infrastructure

Friday, January 28th at 1:40 pm PST (hybrid), hosted by UC Davis

Electrification of trucking combined with connected and automated technologies promise to cut the cost of freight transportation, reduce its environmental footprint, and make roads safer. If electric trucks are powerful enough to cease behaving as moving bottlenecks, they could also increase the capacity of existing roads and reduce the demand for new road infrastructure, a consequence that has so far been understudied.

[More Info](#)

WEBINAR: How to Build an Idle Reduction Culture

Wednesday, February 2nd at 10:30 am PST, hosted by Mindful Mobility Tech Talks

Automotive Fleet magazine has called Ron Zima the idle reduction behavior expert. Zima is also known as IDLE FREE Guy™, creator of industry's idle reduction behavior modification program, IDLE FREE for our kids® for Fleets. In his presentation, Ron will provide the behavioral roadmap to building a long term idle reduction fleet culture.

[More Info](#)

SAVE THE DATE! ITS Davis Webinar

Friday, February 4th at 1:40 pm PST (hybrid), hosted by UC Davis

Speaker: Meredith Alexander, Policy Director, Calstart

[More Info](#)

ICTPA's Celebration of the Lunar New Year 2022

Saturday, February 5th at 2:00 pm PST (virtual), hosted by ICTPA-Southern California Chapter

Join for a Great Keynote Speech & Celebration of the Lunar New Year!

[More Info](#)

SAVE THE DATE! ITS Davis Webinar

Friday, February 11th at 1:40 pm PST (hybrid), hosted by UC Davis

Speaker: Camille Kirk, Director of Sustainability and Campus Sustainability Planner, UC Davis

[More Info](#)

WEBINAR: Pathways to Self-Sustaining EV Carsharing Programs

Wednesday, February 16th at 10:30 am PST, hosted by Mindful Mobility Tech Talks

EV carsharing programs play an important role in achieving climate goals and reduced low income rates can enable an equitable transition to transportation electrification, but these programs often struggle financially in their formative years. This talk will provide insight into how income-based EV carsharing can be modeled to succeed through innovation, using existing utility program infrastructure and vehicle to grid integration.

[More Info](#)

WEBINAR: TRB Virtual Career Fair

Thursday, February 17th at 9:00 am PST/12:00 pm EST (virtual), hosted by TRB

Attendees will have the opportunity to live chat directly with hiring managers, get instant feedback on their qualifications, and learn about job opportunities first hand. Job candidates will meet and network with dozens of prospective employers from a wide range of multimodal transportation-related disciplines, including engineering, consulting, operations, planning and more!

[More Info](#)

ITS Davis Webinar: Data analytics for Warehousing Transportation Analysis

Friday, February 18th at 1:40 pm PST (hybrid), hosted by UC Davis

“Demand for warehouse space is hitting record highs, and that doesn't appear to be abating anytime soon. Demand is up 22% year-over-year in 2021. Logistics and parcel delivery is driving this growth. The 1,800 individual future tenants that participated in a study need over 600 million square feet of space” [9th annual Industrial Tenant Demand Study, published by JLL Industrial].

[More Info](#)

ITS Davis Webinar: What Does Sustainable Freight Look Like for Caltrans?

Friday, February 25th at 1:40 pm PST (hybrid), hosted by UC Davis

There have been numerous regulations, laws, and policies passed in the last few years that are moving California to a more sustainable freight system. Among these is a carbon-neutral state with 100% zero-emission trucks by 2045. Learn how a large state department of transportation has navigated and embraced these new challenges, what Caltrans can do to help California achieve a

more sustainable freight ecosystem, and what questions Caltrans still needs help answering in determining its most efficient path to this sustainable future.

[More Info](#)

SAVE THE DATE! PSR Emerging Scholars Transportation Research Symposium

Thursday & Friday, March 3rd & 4th, hosted by the Pacific Southwest Region University Transportation Center (PSR)

[More Info](#)

PSR Webinar: Bike Share in the Sacramento Region: Lessons Learned and What's Next

Friday, March 4th at 1:40 pm PST (hybrid), hosted by UC Davis

Join us for this ITS-Davis Seminar where you'll hear from Sabrina Bradbury, SACOG Senior Program Manager, about the latest on the region's bike share program and efforts to attract and manage both bike share and scooter share in communities around the region.

[More Info](#)

Fast Facts

Created for Students, by Students

Congestion Reduction through Efficient Container Movement under Stochastic Demand

Author: Maged Dessouky,
University of Southern California

Year: 2020

Keywords: congestion reduction, empty container reuse problem, container movements



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