



## METRANS on the Move: our weekly newsletter by students

Happy last week of April, reader.  
Remember that every end is a new beginning!



### In the News

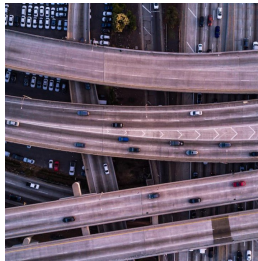
The articles in this newsletter are prepared or accomplished by others in their personal capacity. The opinions expressed are the author's own and do not necessarily reflect the views of METRANS or its partners.



#### METRANS Spring 2021 Student Professional Development Series

On Tuesday, March 30, PR Professional Bob Gold guided a dynamic conversation on the topic and shared his tips on connecting and building relationships through informational interviews.

Read more [here](#).



#### Decarbonizing California Transportation by 2045

In order to achieve the state's goals of carbon neutrality by 2045 and avoid the worst impacts of climate change, decarbonizing this sector is essential. But such a transition is unlikely to occur rapidly without key policy intervention.

Read the UC Davis News and Media Relations feature [here](#).



#### New Traffic Model Predicts How New Developments Will Affect Walkers

A new traffic forecasting model may soon give cities the tools they need to project how a proposed development will impact a pedestrian's ability to get around — and rethink their decision if project discourages people from walking.

Read the Streetsblog USA feature [here](#).

### Webinars & Online Events

#### ABC-UTC Semi-Annual Research Day: 2021 Research Day 1 Thursday, April 29th at 7:00 am PDT

Twice a year, ABC-UTC Research Day is held, during which the Principal Investigators present the background, objectives, and progress of their active research projects.

[More Info](#)

### ENO Webinar: Lessons Learned from the Mobility on Demand Pilots in the Los Angeles and Puget Sound Regions

Thursday, April 29th at 2:00 pm PDT

Los Angeles County Metropolitan Transportation Authority, King County Metro, and Sound Transit have been piloting mobility on demand (MOD) services to provide enhanced access to rail stations.

[More Info](#)

### ABC-UTC Presents: Connections for Concrete-Filled Steel Tubes in Bridge Applications

Friday, April 30th at 10:00 am PDT

In this quarterly Research Seminar, Dawn E. Lehman, Ph.D. and Charles W. Roeder, Ph.D., Principal Investigators, will present work under the ABC-UTC research project entitled New Seismic-Resisting. . .

[More Info](#)

### TOMNET UTC Presents: Ending the Energy-Poverty Nexus: An Ethical Imperative for the Low-Carbon Energy Transition

Friday, April 30th at 11:00 am PDT

From electricity to automobiles and beyond, the coming transition to low-carbon energy systems in the United States and around the globe is an opportunity to do more than just change out our energy. . .

[More Info](#)

### ITS-Davis Friday Seminar - Deployable Decentralized Routing Strategies using Env- Free Incentive Mechanisms for Connected and Autonomous Vehicle Environments

Friday, April 30th at 1:30 pm PDT

Routing strategies using dynamic traffic assignment have been proposed in the literature to optimize system performance. However, challenges have persisted in their deployability and effectiveness. . .

[More Info](#)

### UFTI Distinguished Lecture Webinar: Modern, Data-driven Science for Sustainability and Resilience - Perspectives from Dallas Fort Worth International Airport and NREL

Wednesday, May 5th at 9:00 am PDT

In this talk, Robert Horton (DFW), Dr. Caleb Phillips (NREL), and Sherry Stout (NREL) will discuss current and ongoing data-driven projects related to sustainability and resiliency for critical infrastructure. . .

[More Info](#)

### Eno Webinar: Improving Access for All: Bringing On-Demand Technology to Paratransit

Wednesday, May 5th at 11:00 am PDT

Paratransit has been a staple of public transportation since the Americans with Disabilities Act became law in 1990. For people with disabilities, this service has enabled . . .

[More Info](#)

### City of Tomorrow Present: Mobility, Equity, and Access Summit

Thursday, May 6th at 11:00 am PDT

Join us to hear from a series of leaders working to achieve equity in mobility like Naomi Doerner, Gabe Klein, Angie Schmitt, Keith Benjamin, Ashton Simpson, Professor Sara Bronin, and more!

[More Info](#)

Looking for more events occurring this week and next?  
Check out our "Additional Events" section below!

[Take me to more Events](#)

**Fast Facts**

*Created for Students, by Students*



## Fast Facts

*Cutting edge transportation research summaries  
Created for students, by students*

### California Climate Change Target Setting: A Workshop Report and Recommendations to the State of California Based on the Third California Climate Policy Modeling Dialogue and Workshop

**Authors:** Austin Brown, Lew Fulton, Rosa Dominguez-Faus

**Year:** 2019

**Keywords:** [Public transit, land use, and urban mobility sustainability, energy, and health](#)

#### What's going on?

California's range of existing and proposed low carbon future targets were analytically reviewed, focusing on modeling approaches and what is known about the low carbon future targets' feasibility and costs. Findings are based on the Climate Change Policy Modeling (CCPM) forum, which included modelers, policy makers, and stakeholders evaluating targets and pathways to low-carbon futures and identifying required policies to achieve goals.



#### What were the findings?

This white paper focused on low carbon future targets for three sectors: transportation, electricity, and buildings and industry. Generally, within the transportation sector, the possibility of reaching 5 million zero-emission vehicles (ZEV) on the road by 2030 appears feasible, but could require a 40% sales share in that year, which appear challenging. This was before the Governor's 2020 executive order calling for 100% ZEV sales by 2035, so 40% would also be very important to help achieve this newer target. Hitting such targets will require rapid consumer adoption of ZEVs, while solutions to awareness and acceptance issues remain uncertain. For the electricity sector, achieving a 50%-60% target for renewable energy by 2030 is within reach, but attaining higher renewable energy levels such as 100% by 2045 (the current target for that year) could be challenging. Within the building and industrial sector, buildings have a clear potential to be mostly decarbonized by 2050; however, industries such as oil refineries and concrete sectors will be difficult to decarbonize.

#### What's next?

Existing policies will continue to play a critical role in achieving low carbon future targets; however, new and ongoing policies for every sector will be needed. Modeling and explicitly evaluating GHG reduction scenarios and targets that are more aggressive than 80% reductions by 2050, and get closer to 80% reductions by 2040, or net carbon by 2040 is a major next step.

Read the full report on our website:

[https://www.metrans.org/assets/research/psr-18-23\\_brown\\_final-report.pdf](https://www.metrans.org/assets/research/psr-18-23_brown_final-report.pdf)

The Pacific Southwest Region UTC conducts an integrated, multidisciplinary program of research, education and technology transfer aimed at improving the mobility of people and goods throughout the region.

Check this week's featured Fast Facts [here](#).  
Looking for more Fast Facts? Check out the [Fast Facts Page on Metrans.org!](#)

[Take me to Fast Facts](#)

## Pathways to Opportunity

### CTF Heckeroth Scholarship

CTF

Apply by 04/30/2021

[See more info](#)

### Mobility Division Internships

King County Metro

Apply by 05/02/2021

[See more info](#)

[More Internships and Scholarships Here](#)

### Transportation Specialist

FHWA

Sacramento, CA

Apply by 05/03/21

[See more info](#)

### Senior Manager, Transportation Planner

LA Metro

Los Angeles, CA

Apply by 05/04/2021

[See more info](#)

[More Job Opportunities Here](#)

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