



METRANS on the Move: our weekly newsletter by students

Happy June!
The METRANS Student Newsletter Team wishes you a relaxing summer!



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.



UC Davis' Sonia Anthione Studies Sustainable Practices in Civil Engineering

"It wasn't until I came to Davis that I truly became interested in transportation as a field of study. Coming here opened my eyes to a world of active and sustainable transportation, the likes of which I had never seen in the United States before."

Read more [here](#).



When Driving Is (Partially) Automated, People Drive More

A study finds that users of advanced driver-assistance systems drive 4,888 more miles per year than similar drivers without the feature.

Read the Wired feature [here](#).



Metro Board Suspended 710 Freeway Widening, Approved: Budget, Fareless, and Bus Rapid Transit

Last week, the Metro board convened and decided several important issues. The nearly seven-hour meeting was also CEO Phil Washington's final board meeting.

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

Webinars & Online Events

SCAG Traffic Safety Peer Exchange Series: Using Data to Craft a Safety Narrative: High Injury Networks

Wednesday, June 9th at 1:00 pm PDT

A high injury network (HIN) provides a compelling data-driven story about where and how safety . . .

[More Info](#)

UC ITS Webinar: Partnering with Historically Underserved Communities in Transportation Planning

Thursday, June 10th at 10:00 am PDT

This webinar will provide transportation professionals with recommendations and best practices in . . .

[More Info](#)

The 12th Annual Mineta National Transportation Finance Summit Presents: Electrifying the Transportation Future

Friday, June 11th at 10:00 am PDT

Transportation policymakers face two overlapping, once-in-a-generation opportunities: electrifying the nation's vehicle fleet and re-establishing a stable source of federal and state revenue for transportation.

[More Info](#)

The National Academies of Sciences, Engineering, and Medicine Presents: How We Move Matters: Exploring the Connections between New Transportation and Mobility Options and Environmental Health--A Workshop

Sunday, June 13th at 8:30 am PDT

This workshop will bring together experts in transportation, consumer behavior, and environmental health to share perspectives on the environmental health impact of evolving mobility options.

[More Info](#)

C2M2 CPS Frontiers Presents: Assessing Potential of Bike Share Networks and Active Transportation to Improve Urban Mobility, Physical Activity and Public Health Outcomes in South Carolina

Friday, June 18th at 11:00 am PDT

C2M2 invites you to join us in welcoming Dr. Kweku Brown, The Citadel.

[More Info](#)

Fast Facts

Created for Students, by Students



Fast Facts

Cutting edge transportation research summaries
Created for students, by students

An Analysis of Accessibility, Social Interaction, and Activity-Travel Fragmentation in California

Authors: Konstadinos G. Goulias, Elizabeth C. McBride, Adam W. Davis

Year: 2019

Keywords: Public transit, land use, urban mobility, transportation planning, policy, and finance

What's going on?

People travel for many different reasons — from work, school, and social events, to childcare and errands. But how can we better understand the underlying factors that contribute to individual travel patterns? In this project, researchers focus on a concept called fragmentation, defined as the sequencing of many short activities and trips that happen in a person's daily schedule. Using a method called sequence analysis, researchers examined the places people visited and the amount of time spent at each place. Researchers demonstrate a relatively new travel behavior analysis method to examine travel patterns, to understand how and why individuals engage in activity-travel fragmentation. To perform this analysis, researchers used data from the California Household Travel Survey (CHTS).



What were the findings?

The researchers developed a taxonomy of nine representative patterns of daily place-time allocation, studied the behavioral characteristics of each pattern, and showed the relationship between the individuals' travel patterns and their social and demographic characteristics. Some key takeaways include — employment and education are critical determinants of daily schedules, and the presence of children in the household increases the complexity of place-travel daily patterns. Additionally, the findings further strengthen the household responsibility hypothesis for women with children, who in addition to work outside the home, also run a variety of errands and have consistently more fragmented schedules.

What's next?

These findings and methods to understand travel behavior can inform policy recommendations in the context of SB 375. As Mobility as a Service (MaaS) becomes more integrated into the transportation system, it may better serve the higher fragmentation patterns found in this research and may be able to compete with the flexibility offered by the private vehicle.

Read the full report on our website:

https://www.metrans.org/assets/research/psr-18-09_goulias_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!](#)

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APTF

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OCTA

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Principal Transportation Planner

ODOT

Portland, OR

Apply by ASAP

[See more info](#)

Associate Transportation Planner

Alameda County Transportation Commission

Oakland, CA

Apply by ASAP

[See more info](#)

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