

METRANS

Transportation Center

USC CSULB

METRANS on the Move: Our Weekly Newsletter for Students



Dario Qiu and Jim Moore at the 2019 CTF Awards Ceremony.
Photo Credit: Eric Shen

Happy Thanksgiving!

Readers, welcome to this week's issue of METRANS on the Move! This newsletter is a team effort to foster knowledge and opportunities related to transportation. If you have suggestions for content – events, scholarships, jobs, and more – that you'd like to see included, just reach out to our Publisher, Danielle Dirksen, at ddirksen@usc.edu. Enjoy this week's issue, and click the button below to subscribe!

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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.



Meet Reaghan Murphy - Director Of METRANS Mentor Program by Adylbek Abdykalikov, USC, IPPAM 2020

Reaghan Murphy is a first-year Master of Urban Planning student at the Sol Price School of Public Policy at University of Southern California (USC) who has joined METRANS as a Student Director of the METRANS Mentor Program.

Read more [here](#).



How Los Angeles Plans To Get Hundreds Of Thousands Of People Out Of Cars

Los Angeles has a reputation as a car-dependent city. But the city (and the surrounding county) also now has the country's most ambitious plan for cutting emissions from transportation.

Read more [here](#).



Will LA Eliminate Bars On Bus Benches Designed To Deter Homeless?

A few city lawmakers have wish lists for bus benches, and they include removing the "offensive" bars designed to deter homeless Angelenos from sleeping on the seats.

Read more [here](#).



Blast From The Past Series - CityLab, 2014: Car Emissions vs. Car Crashes: Which One's Deadlier?

David Levinson posed a question at his Transportationist blog that's worth a longer look: Are you more likely to die from being in a car crash or from breathing in car emissions?

Read more [here](#).



Tweet Time: LA Metro's New Proposed Rail Cars

LA Metro is poised to test a new fleet of subway cars for the Red and Purple Lines possibly in late 2020 or early 2021. See their Twitter and Instagram for more renderings and photos.

Read more [here](#).

For Researchers

EPA Research Opportunity: Biofuel Climate Change Model Validation Research

Apply by December 2, 2019

Applications Accepted on Rolling Basis

Two research opportunities are currently available at the U.S. Environmental Protection Agency's (EPA) Office of Transportation and Air Quality (OTAQ). This appointment may be served at EPA Headquarters in Washington, DC or at the EPA's National Vehicle and Fuel Emissions Laboratory (NVFEL) in Ann Arbor, Michigan.

Click below for additional information and to apply.

[More Info](#)

Get Involved

Missouri University of Science and Technology Webinar - Simulation Training and Route Optimization for Bridge Inspection

**Wednesday, December 4, 2019 from 9 to 10 am Pacific
Online**

We have been building a Simulation Training And Control System (STACS) for autonomous bridge inspection that uses a simulated world to train inspectors to control a heterogeneous group of robots. The objective is that, once trained, inspectors can use the same STACS interface used in training to control multiple real robots simultaneously during a bridge inspection task. This webinar describes and demonstrates STACS, provides optimization results corresponding to time (and thus cost) saved in bridge inspection.

Speakers are Sushil Louis, PhD, Professor in the Department of Computer Science and Engineering (DCSE) at the University of Nevada-Reno and Nicholas Harris, Graduate Student also in DCSE.

Please click below to register and for more information.

[More Info](#)

ITS UC Davis Webinar - Integrating Transportation, Energy, and Emissions Modeling across Spatial and Temporal Scales

**Wednesday, December 4, 2019 from 10 to 11 am Pacific
Online**

Traditional MOVES modeling of complicated and dynamic networks is time consuming and can require the generation of hundreds of link emission rates, which often means that users generate lookup tables to support modeling. The Georgia Tech modeling team has used local supercomputing clusters to perform more than one million MOVES model runs and have populated MOVES-Matrix for more than 35 regions in the U.S.

Speaker Dr. Randall Guensler is a Professor in the School of Civil and Environmental Engineering at the Georgia Institute of Technology. Dr. Guensler is currently an Associate Director of the National Center for Sustainable Transportation, a multi-university federal University Transportation Center.

Please click below to register and for more information.

[More Info](#)

USDOT Webinar - Impacts of Automation: What States, Cities, and MPOs Need to Know

**Wednesday, December 4, 2019 from 10 to 11:30 am Pacific
Online**

The U.S. Department of Transportation (USDOT) is hosting a series of webinars on the key issues and opportunities facing automated vehicle (AV) and transportation systems. This 90-minute webinar will explore the likely impacts of automation, performance measures for AV testing, and what transportation planners are doing to consider automation in the long-range planning process.

Host is Kevin Dopart. Presenters include Joshua Cregger, Scott Smith, and Jeremy Raw, all with the USDOT.

Please click below to register and for more information.

[More Info](#)

**ASU Transportation Seminar - Energy Efficient Mobility Systems: The Transforming Transportation Ecosystem
Wednesday, December 4, 2019 from 12:30 to 1:45 pm Pacific
College Avenue Commons (CAVC), Room 333, ASU or Online**

In this talk, we will explore how the Department of Energy's Vehicle Technologies Office (VTO) has expanded the scope of the R&D it funds from its traditional focus in component and vehicle level R&D to an increased focus on R&D for and at the transportation system as a whole and subsequently created a new program – the Energy Efficient Mobility Systems (EEMS) program – to contribute to the addressing these challenges.

Speaker Prasad Gupte is a technology manager in the EEMS program. He joined the Department of Energy Office of Energy Efficiency and Renewable Energy in 2012 as an engineer and project manager.

Please click below for more information.

[More Info](#)

**Transportation Research Board Annual Meeting: Reduced Student Costs
Prices Increase: after Saturday, November 30, 2019
Conference: January 12-16, 2020
Washington, D.C.**

The Transportation Research Board (TRB) 99th Annual Meeting will be held January 12–16, 2020, at the Walter E. Washington Convention Center, in Washington, D.C. The information-packed program is expected to attract more than 13,000 transportation professionals from around the world.

The meeting program will cover all transportation modes, with more than 5,000 presentations in nearly 800 sessions and workshops, addressing topics of interest to policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions. A number of sessions and workshops will focus on the spotlight theme for the 2020 meeting: A Century of Progress: Foundation for the Future.

[More Info](#)

**Eno Webinar - Understanding How Women Travel
Tuesday, January 28, 2020 from 12 to 12:30 pm Pacific
Online**

What are the needs and experiences of women traversing LA County? LA County Metro recently released a report, "Understanding How Women Travel," in a first-of-its-kind effort to answer this question. Developing from Metro's Women and Girls Governing Council, this study aimed to collect data and offer findings that can help improve women's safety and comfort on transit and attract and retain women to the Metro system. In this webinar, panelists will discuss the origin of the project, the methods used, and the key findings from the study.

Speakers are Chelsea Richer, with Fehr & Peers, and Alice Grossman with Eno.

Please click below for more information and to register.

[More Info](#)

Internships & Jobs

**The Port of Los Angeles
Student Engineer
Apply by Friday, December 6, 2019**



More Info

Job Title	Agency/Firm	Deadline
Street & Bridge Maintenance Program Manager (# 8998)	DC Government	30-Nov-19
	Washington, D.C.	
Student Assistant - Administrative Support/Traffic Operations (# CT50118)	Caltrans	30-Nov-19
	San Diego, CA	
Planner Senior (# 117381)	City of Austin	1-Dec-19
	Austin, TX	
Transportation Manager (# 19-MA164-11)	City of Oakland	1-Dec-19
	Oakland, CA	
Project Engineer	Bloomington Department of Planning and Transportation	2-Dec-19
	Bloomington IN	
Biofuel Climate Change Model Validation Research	U.S. Environmental Protection Agency	2-Dec-19
	Washington, DC or Ann Arbor, MI	

We found **80+ more fresh positions** for you!

[Click here for more Jobs and Internships](#)

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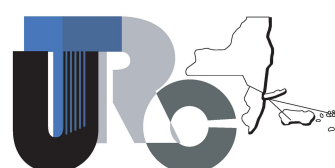
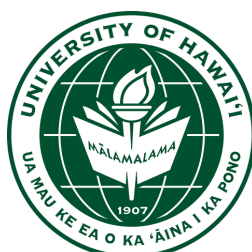
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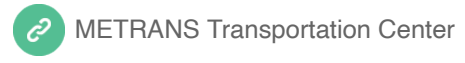


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