

METRANS on the Move | Vol. 8 Issue 4 | September 10,  
2018

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## *METRANS on the Move:* Our Weekly Newsletter for Students



It is my privilege to welcome you to this week's issue of METRANS on the Move. I sincerely appreciate your support and it is with mixed emotions that I share with you that I am soon to graduate and must move on. However, I am proud to introduce the new Editor-in Chief Lauren Mullarkey-Williams who will take my place at the helm of the newsletter! This week you will read about her and about many opportunities for involvement – field trips, conference sponsorships, and more. We are always looking for new sources of knowledge, articles and content, and encourage you to reach out to us with your ideas. Please contact Lauren, any of the student assistants, or METRANS Associate

Director Victoria Deguzman  
at [victoriv@usc.edu](mailto:victoriv@usc.edu) to join the effort!

Priyanka Ramasamy  
Former Editor-in-Chief  
[pramasam@usc.edu](mailto:pramasam@usc.edu)

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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.**

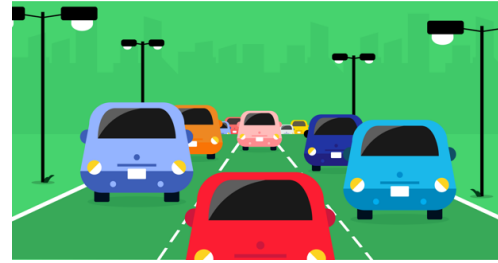


### **METRANS on the MOVE Warmly Welcomes Our Newest Editor-in-Chief, Lauren Mullarkey-Williams**

**By Drew Quinn, USC MPL 2019**

Avid readers of *METRANS on the MOVE* will remember our summer write-up of Lauren Mullarkey-Williams' coveted fellowship at Portland State University's Transportation Research and Education Center. By her own words, Ms. Mullarkey-Williams "took a risk" accepting the summer-long fellowship in an unfamiliar field but found that, "the transportation industry became a way to combine my interests, meet people of very different and exciting backgrounds and skill sets, and prepare for a career where I can see my work in motion."

**Read more [here](#).**



**CityLab University: Induced Demand**

Nearly all freeway expansions and new highways are sold to the public as a means of reducing traffic congestion. It's a logical enough proposition, one that certainly makes plenty of sense to anyone who's stuck in traffic: Small communities served by small roads grow bigger, and their highways need to grow with them. More lanes creates more capacity, meaning cars should be able to pass through faster.

But...

Read more [here](#).



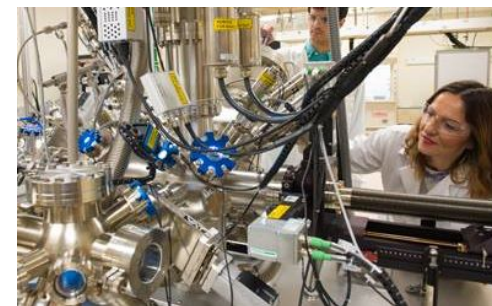
**MetroFreight: An International Research Organization at the Service of Local Practice**

Since its establishment in 1998, METRANS has conducted pioneering research in the fields of goods movement in metropolitan regions. In 2013, METRANS globally expanded its capacity for studying urban freight with the formation of MetroFreight, a Volvo Research and Educational Foundations Center of Excellence.

Read more [here](#).



**Federal Highway Administration**



**Department of Energy Announces \$80 Million Investment in Advanced Vehicles Technologies Research**

### Leadership Visits LA-based Career Pathway Programs

Virginia Tsu, Director of the Center for Transportation Workforce Development of the FHA, visited the Los Angeles Trade Tech College's introduction to GIS pilot course, developed in partnership with the Southwest Transportation Workforce Center.

Read more [here](#).

Wednesday, the U.S. Department of Energy (DOE) announced the selection of 42 projects totaling \$80 million to support advanced vehicle technologies that can enable more affordable mobility, strengthen domestic energy security, reduce our dependence on foreign sources of critical materials, and enhance U.S. economic growth.

Read more [here](#).

## Get Involved

### METRANS Fall 2018 Speakers Series: Mentorship for Success

**Thursday, September 13, 2018 from 11:45 am - 12:45 pm PST**  
**University of Southern California, Doheny Memorial Library, Room 526**

Rebecca Weintraub is a recent recipient of the prestigious USC Provost's Mentoring Award, a selective honor awarded to no more than two professors selected from across the university annually. In this presentation, Weintraub will share her thoughts on the value of mentoring, and how we can take advantage of the many valuable opportunities to mentor and be mentored in both our personal and professional lives.

#### Distinguished Speaker:

Dr. Rebecca Weintraub, Clinical Professor and Director of the Communication Management Master's program, University of Southern California Annenberg School for Communication and Journalism

To RSVP, email [zhu113@usc.edu](mailto:zhu113@usc.edu).

### More Info

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**WTS-LA Professional Development Workshop:  
Networking for your Life**

**Saturday, September 15, 2018 from 10 am - 2 pm PST**  
**University of Southern California, Ronald Tutor Hall, Room 526**

Join WTS-LA for an interactive, education, and fun professional development workshop led by Teri Fisher of Insight Strategies, a featured speaker at the 2018 WTS International Conference. A light lunch will be provided.

**For more information, email [wtslosangeles@gmail.com](mailto:wtslosangeles@gmail.com)**

**More Info**

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**Inspire University Transportation Center Webinar**  
**Toward Autonomous Wall-climbing Robots for Inspection**  
**of Concrete Bridges and Tunnels**  
**Wednesday, September 19, 2018 from 9 am to 10 am PST (11 am to 12 am CST)**

Participate in the free Webinar Program of Inspire University Transportation Center to listen to the review of the recent development of smart and autonomous wall-climbing robots to realize automated inspection of civil infrastructure with minimal human intervention.

**Distinguished Speaker:**

Dr. Jizhong Xiao, Professor, The City College of New York

**More Info**

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**METRANS PSR has a limited number of spots for complimentary student attendance to this event. Please email Victoria Deguzman at [victoriv@price.usc.edu](mailto:victoriv@price.usc.edu) to secure your spot.**

**WTS-OC RCTC Luncheon**  
**Wednesday, September 19, 2018 from 11:30 am to 1:30 pm PST**  
**The Promenade & Gardens, Costa Mesa, CA 92626**

Participate in the Luncheon Program of WTS to hear Riverside County Transportation Commission CEO talk about being the County with third highest growth last year, with transportation and mobility being the critical ones, and know more about their programs and initiatives.

**Distinguished Speaker:**

Anne Mayor, Executive Director, RCTC

## More Info

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### **Intelligent Intersections - Reduce Crashes and Support the Safe Introduction of Autonomous Vehicles**

**Wednesday, September 26, 2018 from 2 pm to 3 pm PST**

**University of Southern California, Hughes Aircraft Electrical Engineering Center, Room 132**

Many cities in California have developed Vision Zero plans seeking to eliminate traffic injuries and deaths through physical modifications to the road infrastructure. However, these modifications can be expensive and have mixed safety results. Crashes in intersections occur because vehicles, pedestrians, and bicyclists are missing critical information. Intelligent intersections report the traffic signal from all approaches, predict when the signal phase will change, relay information on blind spots, and predict red light violations before they occur.

#### **Distinguished Speaker:**

Dr. Pravin Varaiya, Professor, Department of Electrical Engineering and Computer Science at the University of California, Berkeley

**To RSVP, email Lin Zhu at [zhu113@usc.edu](mailto:zhu113@usc.edu)**

## More Info

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### **LADOT Student Professional Worker Job Opportunities**

**Applications accepted until Sunday, September 30, 2018 at 11:59 PM PST**

The Los Angeles Department of Transportation (LADOT) is seeking nine Student Professional Workers with experience in Urban Planning, Urban Design, Transportation Planning, Engineering, Graphic Design, Data and Mapping, and/or Community Organizing to work within the Vision Zero and Active Transportation/Bikeways Divisions. Successful applicants are projected to begin work in November 2018 and are expected to make a year-long commitment to the program.

**Interested applicants can email [lauren.ballard@lacity.org](mailto:lauren.ballard@lacity.org) with any questions.**

## More Info

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### **NACTO Volunteer Interest**

## October 1-4, 2018

NACTO is giving USC and UCLA students the first opportunity to volunteer and attend the NACTO Designing Cities Conference. Volunteers are expected to work 4-5 shifts which can include staffing breakout rooms, attending the 'bag stuffing party', registration desk and helping with WalkShops. Basically, if you volunteer to hand out some forms and collected presentations, you get to attend the NACTO conference for free and network with city staff from around the country.

All events will take place at the InterContinental Hotel in Downtown Los Angeles. For more information and to get a sense of shifts, please take a look at the conference schedule overview.

### More Info

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**METRANS PSR has a limited number of spots for complimentary student attendance to this event. Please email Victoria Deguzman at [victoriv@price.usc.edu](mailto:victoriv@price.usc.edu) to secure your spot.**

### **17th Annual Mayoral Housing, Transportation and Jobs Summit Friday, October 5, 2018 from 8:00 am to 2:30 pm PST UCLA Meyer & Renee Luskin Conference Center**

Join the annual summit, the most respected conferences driving smart, business driven solutions addressing core issues around housing affordability, transit accessibility and equitable, economic development and know the answers from experts to the most pressing issues.

### More Info

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### **Call for Volunteers for Cal APA Conference October 7- 10, 2018 Sheraton San Diego Hotel and Marina, San Diego CA**

Volunteer with the San Diego Host Committee for Cal APA Conference at San Diego from October 7-10. Volunteer assistance includes registration, speaker/session monitoring, exhibit hall, tour send-offs, the opening party on the Midway, and other special events such as the CPF auction, consultant reception, and awards program.

Students will receive four hours of complimentary conference registration for every four hours of volunteer work, and lots of opportunities to network with planning professionals. A list of available volunteer opportunities will be sent out in the next two weeks, and volunteer assignments will be made in early to mid - September.

For questions and/or would like to add your name to the list of interested volunteers, please email Sharon Singleton at [sharon@ktua.com](mailto:sharon@ktua.com)

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### **RailTEAM Infrastructure Symposium and Rail Dynamics Seminar**

**October 16 -18, 2018**

**University of Nevada Las Vegas**

Join the two-day symposium and one- day seminar which will present an introduction to the engineering fundamentals of rail dynamics: wheel-rail contact dynamics and vehicle dynamics. The conference will feature experts discussing new technologies and methods in monitoring and maintaining railroad infrastructure.

**Free and Open Registration**

[More Info](#)

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### **Cameron Rian Hays Outside the Box Transportation Policy and System Management Competition**

**Submission Deadline: Monday, October 1, 2018**

**Final Event: November 27, 2018 4 pm to 8 pm EST**

**George Mason University, Founders Hall Auditorium, Room 134**

Challenge to think creatively and offer “outside-the-box” solutions to the complex challenges of passenger and freight mobility, accommodating new urbanism, acknowledging environmental impacts and climate change and participate in the Transportation Management competitions to win cash prizes.

[More Info](#)

## **Scholarships & Academic Opportunities**

### **WTS-OC 2018-19 Scholarships**

**Application Deadline Friday, September 14, 2018 at 5 pm PST**

To encourage women pursuing careers in transportation, WTS-OC will be offering multiple high school, community college, undergraduate and graduate



scholarships this year to women throughout Southern California. The number of scholarships and the amounts for the 2018-19 academic year will be determined following a review of the applications received.

**Applications may be submitted online or sent as a single PDF document to [wtsocscholarship@gmail.com](mailto:wtsocscholarship@gmail.com).**

**More Info**

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**2018 - James A Ditch Annual Scholarship  
Application Deadline Friday, September 28, 2018**

Jim Ditch was a founding father of SCR TTC. His passion for training and education was unprecedented. This Education Fund was established in honor of Jim and provides much needed support to students who wish to pursue and/or advance their career in public transportation.

**For questions, please contact Dave Stumpo at (360) 945-2150 or email [dstumpo@scr ttc.com](mailto:dstumpo@scr ttc.com)**

**More Info**

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**Council of University Transportation Centers  
National Student Awards 2018  
For Graduate and PhD Students**

Apply and win CUTC Awards for dissertation/thesis/report completed and accepted during the period October 1, 2017 – September 30, 2018. Awards include Milton Pikarsky Memorial Award, Charley V. Wootan Memorial Award, Neville A. Parker Award for Masters and PhD dissertations. Given annually to six graduate students in Transportation for the two best PhD Dissertations, MS Theses and MS/ME Reports,

**Cash Awards** are:

PhD Dissertation \$2,000

MS Thesis \$1,500

MS/ME Reports \$1,500

**For questions or concerns, contact Melanie Laird at [mlaird@artba.org](mailto:mlaird@artba.org)**

**More Info**

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**FTA 100th Anniversary Logo Contest**

### **Application Deadline Friday, October 19, 2018**

Compete for the Foreign Trade Association's 100th Anniversary Logo Design Contest themes 'Growing Global Trade for 100 years'. First, second and third place winners will be honored at their Holiday Luncheon in December of 2018. The first place winner will be awarded \$500 in prize money at the luncheon and will be recognized at the 100th Anniversary dinner on Thursday, December 5, 2019 at the Biltmore Los Angeles.

The logo should be submitted in a high-quality resolution jpeg format and emailed to Emily Gingras at [Emily@PearStrategies.com](mailto:Emily@PearStrategies.com)

#### **More Info**

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### **Railway Association of Southern California 2018 Logo Contest Submissions Due Friday, November 26, 2018**

Railway Association of Southern California is looking for a new logo that identifies and embodies their mission dedicated to promoting the diverse professions within the railroad industry and sponsoring fellowship among railroad professionals in the Southern California area.

Logo submission can be made on an individual or group basis. The winner of the contest will receive a cash prize, a plaque (with new logo), and bragging rights and the new logo will be unveiled at the 2018 Annual Holiday Dinner.

**For more information, contact Gyan Sinha at [gyan.sinha@kimley-horn.com](mailto:gyan.sinha@kimley-horn.com) or [railway.assn.so.cal@gmail.com](mailto:railway.assn.so.cal@gmail.com)**

#### **More Info**

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### **Young Researchers' Conference 2019 Saturday, May 26 2019 IIT Bombay, India**

Participate in the one-day conference at IIT Bombay to discuss and interchange news ideas and development in transportation sector. Papers will be peer-reviewed and the best papers will qualify for the nominations to the Young Prize and for special issues of academic journals from the WCTR conference themed 'The Future of Transportation'.

#### **More Info**

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## California Transportation Foundation Scholarships 2018-2019 For High School, Undergraduate, and Graduate Students

The California Transportation Foundation (CTF) had awarded \$1.1 million in scholarships since its founding in 1988. CTF scholarships are awarded competitively and are available to students at all levels. Several scholarships target specific populations of importance to donors. These requirements often relate to specific Caltrans Districts, functional areas, school districts, or other concerns.

CTF invites interested students to apply to more than 35 scholarships, some of which have specific deadlines and application windows. To qualify for CTF scholarships, recipients must be intent on a career in transportation, attend a school in California, and be U.S. citizens, permanent residents or documented, international students.

[More Info](#)

## Internships & Jobs

### This Week's Featured Opportunity

**Civil Engineering II - Transportation**  
**Long Beach, CA**



[More Info](#)

### Other Featured Positions

Job Title	Agency/Firm	Deadline
<a href="#"><u>Engineer I/II (# FY 17-00008)</u></a>	City of Santa Maria	9/17/2018
	Santa Maria, CA	
<a href="#"><u>Research Data Analyst II (GIS) (# JC-126011)</u></a>	Caltrans	9/20/2018
	Sacramento, CA	
<a href="#"><u>Regional Planning Liaison / IGR Coordinator (# JC-125998)</u></a>	Caltrans	9/21/2018
	Yuba, CA	
<a href="#"><u>Supervising Transportation Engineer (# 18-ET121-07)</u></a>	City of Oakland	9/21/2018
	Oakland, CA	
<a href="#"><u>City Traffic Engineer (# 00602)</u></a>	City of Carlsbad	9/26/2018
	Carlsbad, CA	
<a href="#"><u>Junior Engineer (# T10988-201809)</u></a>	City of San Diego	9/24/2018
	San Diego, CA	

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

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

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