

20
ANNIVERSARY

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1998 – 2018

METRANS on the Move: Our Weekly Newsletter for Students



Welcome to this week's issue of METRANS Newsletter. I am Irene Chen, Career Opportunities Editor of our newsletter. Our team strives to foster knowledge and opportunities in transportation industry. If you have suggestions for content or opportunities – events, scholarships, internships, jobs, and more –that you'd like to see included, just reach out to me or any of our student staff listed at the end of the newsletter. Enjoy this week's newsletter, 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.

Local Students Access Industry Insights on Autonomous Vehicles By Rui (Rae) Zhang, USC Price School MPL, Transportation, 2018

On Thursday, May 31, 2018, local transportation students were sponsored to attend a WTS-LA breakfast panel event to learn industry experts' insights on connected and autonomous vehicles (AV). The panel presented a comprehensive coverage of views on the impacts of AV on future transportation developments, multi-level public sectors seeking to connect AV with existing infrastructure, a traffic signal consulting firm exploring AV communications, and an auto manufacturer combining cutting-edge technologies and innovative automobiles.

Read more [here](#).



PSR METRANS Attendees at WTS-LA
Breakfast Event



Self-Driving Cars Are Coming. Will They Serve Profit or the Public?

Under ordinary circumstances, the death of a homeless woman trying to cross a road in Arizona would barely arouse notice. But the March 18 death of Elaine Herzberg, 49, in Tempe, was an international news event as she was struck by a Volvo SUV steered by Uber's self-driving car technology. She was the first pedestrian killed by a self-driving car. Until recently, self-driving cars were an abstraction, a dreamy, far-off idea.

Now they are literally crashing into us. Twenty-four U.S. cities are either running autonomous vehicle (AV) test programs or have committed to doing so, according to the Bloomberg Aspen Initiative on Cities and Autonomous Vehicles.

Read more [here](#).



How Ride-hailing Could Improve Public Transportation Instead of Undercutting it

Over the last half-decade, public transit ridership declined nationwide. The number of vehicle miles traveled in cars is rising, and traffic congestion is getting worse in many U.S. cities. At the same time, the century-old taxi industry is struggling, with many taxi companies going bankrupt. While ride-hailing threatens public transit, it is also key to its future success – but only with smart policies and the right price signals. People are choosing ride-hailing because transit does not match the comfort and convenience offered by private vehicles, and taxis cannot offer the affordability and transparency of app-based ride-hailing.

Read more [here](#).

Get Involved

Geo-spatial Online Transportation User Group Webinar Series

Get benefited from GOTUG's online support and development of transportation agency capabilities regarding comprehensive GIS based online collaboration platforms and receive invitations to quarterly webinar series, news and updates of interest to GIS practitioners from the URL below.

Subscription Access

More Info

METRANS PSR has a limited number of sponsored spots for complimentary student attendance to this event. Please email Victoria Deguzman at victoriv@usc.edu to secure your spot.

WTS Orange County and San Diego Lunch Program
Wednesday, July 18, 2018, 11:30 am to 1:30 pm
31891 Camino Capistrano, San Juan Capistrano, CA 92675

Join the WTS Luncheon Event and hear distinguished speakers from Caltrans talk about innovation, advancement and information in transportation industry.

Distinguished Speakers:

Tim Gubbins, Acting District Director, Caltrans District 11
Adnan Maiah, Acting District Director, Caltrans District 12

More Info

Transportation Research Board Webinar **Preparing and Using Airport Design Day Flight Schedules** **Wednesday, July 18, 2018, 11:00 am to 12:30 pm**

TRB will conduct a webinar that features research from the Airport Cooperative Research Program (ACRP)'s Research Report 163: Guidebook for Preparing and Using Airport Design Day Flight Schedules. Airports use design day flight schedules (DDFS) for a number of different purposes, including planning for airport operations and facilities, airfield and landside modeling, and construction phasing. The presenters will discuss these uses and provide information on how airports can prepare their own DDFS..

Webinar Presenters
Patrick Kennon, HNTB Corporation
Rick Busch, Jviation, Inc.

More Info

WTS-LA Bridging the Gap - A Workforce Initiative Program
Friday, July 27, 2018 7:30 am to 1:30 pm
Millennium Biltmore Hotel, 506 Grand Avenue, Los Angeles, CA 90071

Participate in WTS -LA discussion about the transportation workforce gap and get prepared for how our work force needs are changing and if you are ready. At this half-day event, you will hear from the experts and learn how technology, the economy and policy decisions are changing the transportation workforce.

More Info

METRANS PSR has a limited number of sponsored spots for complimentary student attendance to this event. Please email Victoria Deguzman at victoriiv@usc.edu to secure your spot.

Uncertainty Quantification Summer School
USC, August 8-10 2018

Participate in the USC Uncertainty Quantification School driving current research in Polynomial Chaos methodology, Perron-Frobenius operators, Multifidelity models, and Machine Learning lectures.

Distinguished Speakers:

Mike Eldred (Sandia)
Roger Ghanem (USC)
Igor Mezic (UCSB)
Christian Soize (Paris-Est)
Andrew Stuart (Caltech)

More Info

UN- Habitat Student Design Competition
Submission deadline August 15, 2018

UN-Habitat in collaboration with the Wuhan Land Use and Spatial Planning Research Centre (WLSP) is looking for creative and innovative urban design ideas from students for a vacant waterfront site in inner-city Wuhan, China. The competition is part of the UN-Habitat – WLSP programme “People Orientated Urban Public Spaces”.

More Info

METRANS PSR has a limited number of sponsored spots for complimentary student attendance to this event. Please email Cherie Jiarui Li at jjaruil@usc.edu to secure your spot.

PSR METRANS Field Trip
2018 Fleet Week
Saturday, September 1, 2018
Celebrating our U.S Armed Forces at Port of Los Angeles

Sponsored by

Pacific Southwest Region University Transportation Center (PSR UTC)

LA Fleet Week is a free public event celebrating our U.S. armed forces at our nation's #1 port, the Port of Los Angeles. A new Labor Day tradition in Los Angeles, the event welcomes active military ships and personnel to the LA Waterfront, and features public ship tours, military equipment demonstrations, live entertainment, educational activities and more.

More Info

Scholarships & Academic Opportunities

Micro SAMS International Young Researcher Grants

**Mistra SAMS International Young Researcher Grants
Sustainable Accessibility and Mobility Services**

The Mistra SAMS program seeks to engage young, international researchers as active partners in collaborative and comparative research projects within the program's core areas of scientific interest and invites Ph.D. students and young researchers in early stages of their career (max 5 years after Ph.D. completion) to apply for grants for short-term research visits at Swedish universities or other research environments within the program.

Successful candidates must have documented scientific competence (or on-going Ph.D. work) in an area of core relevance to a specific scientific team or work package within the Mistra SAMS program. Only Ph.D. candidates or researchers with a Ph.D. degree granted within the past five years will be considered.

Invitation to apply for grants is continuously open.

More Info

**Women's Transportation Seminar WTS- LA 2018 Scholarships
Applications Due July 11, 2018**

The Los Angeles chapter of Women's Transportation Seminar (WTS) announces 2018 College Scholarship program and is currently accepting applications. These scholarships are available to women studying a transportation/planning/engineering related field and who either attend school or reside in Los Angeles County. Scholarship amounts range from \$2,500 to \$10,000 with scholarships available for both graduate and undergraduate students.

Available Scholarships:

Community college scholarships- \$3,000 Community College Scholarships
Undergraduate Scholarships- \$10,000 & \$7,500 Ava Doner Memorial Scholarships
Graduate Scholarships- \$10,000 & \$7,500 Myra L. Frank Memorial Graduate Scholarships
GPA and eligibility criteria varies according to scholarships.

For questions, contact Elisabeth Rosenson, Scholarship Chair at wtslascholarships@gmail.com

More Info

**2018 WTS-OC Transportation Academy
Applications Due July 12, 2018**

The Women's Transportation Seminar of Orange County will sponsor the 9th Annual Transportation Academy this August. The Transportation Academy is a two-week immersion program, offering undergraduate and graduate students a first-hand look at different facets of the transportation industry; the Academy is open to men and women. Participants are exposed to management, finance, operations and planning, as well as engineering, construction management and public involvement principals. In addition to hearing from top executives within the transportation field, students will experience transportation first-hand through a series of onsite tours including live construction projects, tours of harbors and/or rail yards, tolling facilities,

The selection committee will choose 25 students to represent the Transportation Academy class of 2018.

For questions, contact Student Outreach Committee at transportationacademywtsoc@gmail.com or at (714) 620-9481.

More Info

Application

**AAUW Educational Funding and Awards
For Graduate and Doctoral Students
Applications Open August 1, 2018**

The American Association of University Women offers various educational funding and grants to women pursuing Graduate and Doctoral Programs aiming to improve their quality of life and social barriers. AAUW calls for applications from women pursuing education in Graduate and Doctoral Programs to win grants and achieve more in their careers.
Several of the grants are below.

American Fellowships: Applications are open August 1 through November 15, 2018. Funding amounts are \$6,000 to \$30,000. Women pursuing full-time study to complete dissertations, conducting postdoctoral research full time, or preparing research for publication for eight consecutive weeks.

International Fellowships: Applications are open August 1 through December 1, 2018. Funding amounts are \$18,000 to \$30,000. Women pursuing full-time graduate or postdoctoral study in the United States who are not U.S. citizens or permanent residents.

More Info

**Annual ARTBA Student Video Contest
Submissions Due September 3, 2018**

American Road and Transportation Builders Association is accepting submissions for its 8th annual Student Transportation Construction Industry Video Contest. Interested students must submit a 2 to 4 minute video that examines transportation in one of two categories: General Transportation or Safety.

Top winners will receive a cash prize of \$500 and the winning videos will be viewed at ARTBA's National Convention in New York City, New York .

For questions or concerns, contact Melanie Laird at mlaird@artba.org

More Info

Researchers California Policy Lab

California Policy Lab is searching for three, full-time research positions, including a post-doc position in labor economics, one Ph.D. level staff position for homelessness research, and one statistical data analyst. These positions will work on a range of projects with me and with faculty and staff at the California Policy Lab, a new initiative at UCLA and UC Berkeley that supports research partnerships between university academics and California state and local government, focused on the analysis of administrative data. They are described in more detail below.

- 1) A post doc working directly with me on projects in labor economics based on a range of confidential administrative data sets.
- 2) A full-time Ph.D. level Research Director with the California Policy Lab (CPL).
- 3) A third position is for a full-time data analyst.

For more information about the California Policy Lab and to learn more about our current projects, visit:

www.capolicylab.org

If interested, email Kelle Taylor at kelletaylor@ucla.edu with resume and cover letter.

Internships & Jobs

This Week's Featured Opportunity

**Student Professional Worker - Administrative Services Division at
Emergency Management Preparedness Program at
The City of Los Angeles
Application Due by July 11, 2018**

More Info

Other Featured Positions

Job Title	Agency/Firm	Deadline
Civil Engineering Technician I, II, III (# 18/19-03)AR-O)	City of Santa Rosa, CA	16-Jul-18
	Santa Rosa, CA	
Transportation Engineer (Electrical) (# JC-116273)	Caltrans	16-Jul-18
	San Diego, CA	
Senior Transportation Engineer (# JC-116101)	Caltrans	17-Jul-18
	El Dorado, CA	
Transportation Surveyor (# JC-116838)	Caltrans	17-Jul-18
	Orange, CA	

Assistant / Associate Engineer	City of Arroyo Grande	29-Jul-18
	Arroyo Grande, CA	
Associate Civil Engineer	City of Menlo Park	29-Jul-18
	Menlo Park, CA	

We found **70+ more fresh positions** for you!

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

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