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ANNIVERSARY

# METRANS

Transportation Center  
USC | CSULB

20 YEARS OF EXCELLENCE  
1998 – 2018

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



Welcome to this week's issue of METRANS Newsletter. I am Prithvi Deore, News Editor of our newsletter. The newsletter is a great source of latest developments in transportation, research, and job opportunities. This week we feature USC Solar Car, Traffic Prediction news and many exciting scholarships and job opportunities. 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 our Associate Director Vicki Valentine Deguzman at [victoriv@price.usc.edu](mailto:victoriv@price.usc.edu) or any of our student staff (listed at the bottom of each issue). Enjoy this week's newsletter, and click the button below to subscribe!

Prithvi Deore  
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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 Editor-in-Chief Priyanka Ramasamy Summers at DKS Associates

By Borui Zhai, USC Viterbi Master of Science, Civil Engineering, Transportation Engineering, 2019

"Keep trying and know the opportunities out there" suggests METRANS Editor-in-Chief Priyanka Ramasamy who recently joined DKS Associates in Sacramento as a Transportation Engineering intern. I got an opportunity to talk to her about her path to gaining an internship and her experience at DKS Associates. DKS is a transportation engineering and planning with offices in California, Oregon, and the state of Washington.

[Read more here.](#)



### To Better Predict Traffic, Look to the Electric Grid

Commuters check Google Maps for traffic updates the same way they check the weather app for rain predictions. And for

good reasons: By pooling information from millions of drivers already on the road, Google can paint an impressively accurate real-time portrait of congestion. Meanwhile, historical numbers can roughly predict when your morning commutes may be particularly bad.

[Read more here.](#)



### USC Solar Car revs up for American Solar Challenge along the Oregon Trail

The USC Solar Car will be the first Southern California sun-powered car to

compete in the American Solar Challenge on July 14. Fifteen students will head to Nebraska to race 1,700 miles along the famous Oregon Trail, accomplishing a prodigious engineering feat five years in the making. The USC team is working on creating a Challenger Class solar race vehicle. [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

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

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**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

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**PSR Research Seminar Series**  
**Monday, July 23, 2018 2:00 pm to 3:00 pm**  
**USC University Park Campus- Room VPD LL 101**

Participate in PSR Research Seminar on 'Where Next for Understanding and Predicting Human Decision- Making?' to know about how human behavior impacts data models and reliance on cross sectional data to treat individual decisions in potential benefits and pitfalls grounded in economic theory.

#### Distinguished Speaker:

Stephene Hess, University of Leeds

For registration, contact Abhinaw Priyadershi at [priyader@usc.edu](mailto:priyader@usc.edu)

### More Info

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**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

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**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](#)

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

UN-Habitat in collaboration with the Wuhan Land Use and Spatial Planning Research Centre (WLSR) 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 – WLSR programme “People Orientated Urban Public Spaces”.

[More Info](#)

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**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](mailto: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](#)

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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.**

**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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## Scholarships & Academic Opportunities

### **Livable Smart Cities Challenge**

Deutsche Telekom challenges innovators to be creative and invent digital services that make smart cities more livable for everyone. Possible services that could be addressed are as varied as Navigation services, Accessibility to municipal information and services, Services that enable people to live independently, etc. A prize purse of \$25,000 USD will be shared among the top innovators. Winners will travel to Germany to present their solutions at Deutsche Telekom’s annual Innovation Day forum in September 2018.

[More Info](#)

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### **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](#)

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### **2018 WTS-OC Transportation Academy** **Application Deadline Extended till July 19, 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](mailto:transportationacademywtsoc@gmail.com) or at (714) 620-9481.**

[More Info](#)

## Application

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### **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

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### **NARSC Graduate Student Paper Competition For Graduate and Doctoral Students and Recent Graduates Applications Open August 1, 2018**

The North American Regional Science Council (NARSC) Graduate Student Paper Award contest presents two categories given below.

#### **Graduate-Student-Author Paper Competition Graduate-Student-Led Paper Competition**

Acceptance of the paper requires the following:

1. Individuals should submit a digital copy of their paper formatted using the Papers in Regional Science guidelines
2. A cover letter from their academic advisor confirming the author(s) meet the eligibility for the competition selected.

### More Info

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

American Road and Transportation Builder's 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](mailto:mlaird@artba.org)**

### More Info

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### **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](http://www.capolicylab.org)

**If interested, email Kelle Taylor at [kelletaylor@ucla.edu](mailto:kelletaylor@ucla.edu) with resume and cover letter.**

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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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## Internships & Jobs

### **This Week's Featured Opportunity**

**Entry Level CAD Designer at  
Moffatt & Nichol**



More Info

Other Featured Positions

Job Title	Agency/Firm	Deadline
<a href="#">Associate Engineer (CIP) (# 02393)</a>	City of Escondido	7/23/2018
	Escondido, CA	
<a href="#">Senior Transportation Electrical Engineer (Supervisor) (# JC-117898)</a>	Caltrans	7/24/2018
	Los Angeles, CA	
<a href="#">Associate Transportation Planner (# JC-118342)</a>	Caltrans	7/26/2018
	Sacramento, CA	
<a href="#">Assistant Engineer (Transportation) (# 2018-2031)</a>	T.Y. Lin International	
	Irvine, CA	
<a href="#">Transportation Planner/Engineer (# TRANS03597)</a>	Kimley-Horn and Associates, Inc.	
	Oakland, CA	
<a href="#">Civil Engineering Intern (# 1377)</a>	HR Green	
	Corona, CA	

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

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

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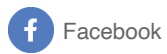




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