

20

ANNIVERSARY

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1998 – 2018

METRANS on the Move: Our Weekly Newsletter for Students



It is my privilege to welcome you to METRANS On the Move, a student-run weekly transportation newsletter. I am Priyanka Ramasamy, new Editor-in-Chief of our newsletter. Our newsletter is a great source of transportation-related news, research and job opportunities. We are truly grateful for our readers' support and welcome any ideas/content to be featured in our issue. This week we feature an invitation to lunch with Elissa Konove, Deputy CEO of Metrolink; the Impact of Freight Rail; and exciting job openings.

Feel free to reach out to me at pramasam@usc.edu or our Associate Director Victoria Deguzman at victoriv@price.usc.edu to share your transportation-related research, events, stories or opportunities and click the button below to subscribe!

Subscribe Now!

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.



Freight Rail's Impact on Your Life and Mine

By Susan Huang Gonzalez, USC Viterbi MSCE Transportation Engineering, 2020

On April 3rd, 2018, METRANS Transportation Center invited Nate Kaplan of GoRail to speak at USC about the sophistication and impact of freight rail in the U.S., regarded as the world's best freight rail system in terms of cost, efficiency, and reliability. Kaplan began by bringing freight rail home to the audience. He describes how there are many, many miles behind every item that we've accumulated or consumed in our lives, and how little is known about the vast infrastructure that supports the movement of our daily necessities.

Read more [here](#).

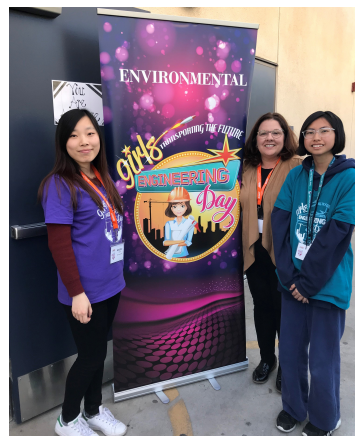
WTS-Orange County Chapter Inspires Youth at Annual Girls Engineering Day

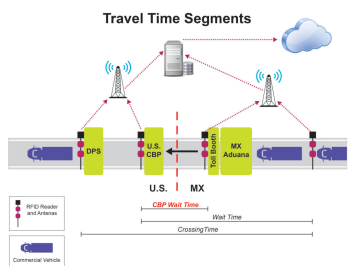
By Jamie Chang, Class of 2019, Oxford Academy

On February 24th, WTS-Orange County Transportation YOU 4th Annual Girls' Engineering Day was held at South Junior High School in Anaheim. The goal of this event is to

help girls in middle school or high school get to know more about engineering fields. Over 125 girls attended this event and were paired with engineers who work in various areas of transportation, such as environmental engineering, highway, rail, transit planning and design, geotechnical engineering, and land surveying.

Read more [here](#).





Freight Travel Time and Travel-Time Reliability at the Border

The travel-time reliability monitoring system (TTRMS) allows transportation agencies to quantify travel-time reliability of their networks and evaluate the impact of improvements on reliability and freight carriers can make more informed decisions to minimize their travel times. Not all land ports of entry (LPOEs) at the U.S. borders have the technology to determine travel time, and none of them expand travel-time measurements outside the LPOE. The implementation of a TTRMS could be beneficial at some of these commercial LPOEs currently measuring travel times. [Read more here.](#)



Los Angeles is Painting Some of its Streets White and the Reasons Why are Pretty Cool

In the race to combat climate change, the city of Los Angeles is employing a surprising new tactic -- covering its streets with a grayish-white coating known as CoolSeal. It's sprayed onto the roadway with trucks, then spread across the surface with squeegees. However, its impact extends far beyond the edge of the pavement. Los Angeles, like so many other modern cities, is encased in thousands of miles of asphalt. And dark-colored asphalt absorbs between 80 and 95 percent of the sun's rays, heating up not just the streets themselves but the entire surrounding area.

[Read more here.](#)

Get Involved

Spring 2018 METRANS Speaker Series Monday, April 16, 2018 12:00 pm to 1:00 pm Room RGL 100, University Park Campus, USC

Last call to join our Speaker Series event with Elissa Konove, the number two person at Metrolink to hear her experiences from high-level federal to her current position with a local rail operator. She will also share information about Metrolink, discuss the importance of regional rail in Southern California, offer suggestions for effective professional development, and provide tips for securing one of the many opportunities in rail and transportation.

Distinguished Speaker:

Elissa Konove, Deputy Chief Executive Officer, Metrolink

Lunch will be provided.

For Registration, please email Cherie at jjaruil@usc.edu

More Info

2018 Transportation & Infrastructure Speaker Series Meeting By Transportation Diversity Council Save The Dates

Join the 2018 TDC Speaker Series at your convenient locations to know more about your topics below.

April 16, 2018 New York City on *Intermodalism and Innovation*.
April 26, 2018 at Washington DC on *Ensuring Resiliency for the National Infrastructure*.
May 2, 2018 at Los Angeles on *Transportation Network Connectivity (TBC)*

More Info

Spring 2018 METRANS Research Seminar Wednesday, April 18, 2018 12:00 pm to 1:30 pm Room RGL 100, University Park Campus, USC

Join our USC Ph.D. candidates to learn about their researches on current transportation problems prevailing in our communities. **Santiago Carvajal** will present his solution to Empty Container Problem using a double container truck by mathematical models and general and specific results from Ports of Los Angeles and Long Beach. **Yihang Zhang** will share his methodology of controller and microscopic simulation model that can provide consistent improvement in traffic mobility and safety.

Speakers:

Santiago Carvajal, Ph.D Candidate, Industrial and Systems Engineering, USC
Yihang Zhang, Ph.D Candidate, Electrical Engineering, USC

Lunch will be provided.

For Registration, please email Cherie at jjaruil@usc.edu

More Info

Esri MOOC 'The Location Advantage' Course For New Users, Higher Education Students and GIS Professionals Course starts on April 18, 2018

Join the 6 weeks training to learn how location analytics can be used in business. This instructor-led MOOC explores the capabilities of Esri Business Analyst Online.

Instructors:

Linda Peters, Global Manager, Esri
John Shramek, Educational Specialist, Esri

Registration closes on May 2, 2018
Free Online Training open for enrollment

More Info

ITS- Spring Speaker Series- UCLA Institute of Transportation Studies
Big Data and Urban Government: Effect of the Waze App on Traffic Policies in the Paris Region
Wednesday, April 18, 2018 12:30 pm to 2:00 pm
Room 5391, UCLA Luskin School of Public Affairs

Join Dr. Courmont to his research, which focuses on big data and digital platforms, to better understand how they disturb public policies and push for their transformation. Their capacity of collecting and analyzing digital traces spawns a need for policy reforms. His research analyzes the case of the Waze company to examine how this routing service influences local road traffic policies.

Distinguished Speaker:

Dr. Antoine Courmont, Scientific Director of the Sciences Po's Cities and Digital Technology Chair

Free Registration.
Lunch will be provided.

[More Info](#)

UC-Davis Institute of Transportation Studies Seminar
Innovation and Disruption in Urban Mobility: Do We Need to Rethink Everything?
Friday, April 20, 2018 1:40 pm to 3:00 pm
UC Davis - 1605 Tilia, Room 1103, West Village

Technology, entrepreneurship and changing customer expectations are disrupting traditional models for mobility and challenging how public transportation operates. In the coming months and years, public transit agencies will face important, strategic decisions, each of which will need to be considered through the lens of adaptation. Join the seminar to know more and discuss many of the critical questions facing public transportation today.

Distinguished Speaker:

Susan Shaheen, Director, Innovative Mobility Research, UC Berkeley

Event sponsored by PSR UTC

[More Info](#)

Free TRB Webinar
Generating Revenue from Commercial Development On or Adjacent to Airports
Thursday, April 26, 2018, 11:00 am to 12:30 pm Pacific Time

TRB will conduct a webinar on Thursday, April 26, 2018, from 2:00 PM to 3:30 PM ET that features research from the Airport Cooperative Research Program (ACRP)'s Research Report 176: Generating Revenue from Commercial Developments on or Adjacent to Airports.

This webinar will identify the challenges and opportunities that developing land on or near airports can pose and the processes involved in determining if revenue-generating development is feasible. Presenters will cover a brief overview of the tools developed to determine this feasibility, how these tools can be used, and lessons learned from airports that have used them. This webinar is TRB's Airport Cooperative Research Program.

Webinar Presenters

Stephanie Ward, Mead & Hunt, Inc.
Diana Fainberg, Diana E. Fainberg Associates, LLC
Edward Moran, Lee County Port Authority

Registration questions? Contact Reggie Gillum at RGillum@nas.edu.

[More Info](#)

WTS -LA Student Benefit: Annual Student/Company Mixer
Wednesday, May 2, 2018 6:00 pm to 8:00 pm
Downtown TBD, Los Angeles, CA

You are cordially invited to attend the Annual Student/Company Mixer event which brings students and professionals to engage with WTS 2018 Corporate Partners on job opportunities, professional development, and more. Bring your resume.

Open to all Undergraduate and Graduate students interested in transportation internship and/or full-time opportunities.
Refreshments and some fun prizes will be provided.

For questions, contact Todd Nguyen at Todd.Nguyen@wsp.com or wtslaresumebook@gmail.com

[More Info](#)

UC-Davis Institute of Transportation Studies Seminar
Planning An Integrated Active Travel And Green Infrastructure System For Mental Well-being In Disadvantaged Communities
Friday, May 25, 2018 1:40 pm to 3:00 pm
UC Davis - 1605 Tilia, Room 1103, West Village

Join the seminar to know about Dong's research study that will be able to propose urban policy solutions to health and infrastructure inequalities that plague many American cities, particularly those disadvantaged communities in small- and medium-sized cities. Advancing our understanding of the relationship between urban infrastructure, active travel, and physical activities, and public health (particularly mental health), see how an integrated active system will benefit our communities.

Distinguished Speaker:

Gary (Hongwei) Dong, Associate Professor, City and Regional Planning,
California State University, Fresno

Event sponsored by PSR UTC

[More Info](#)

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

**NaTMEC 2018
National Travel Monitoring Exposition and Conference
June 10 - 13, 2018
Hotel Irvine, Irvine, California**

**Sponsored by
Pacific Southwest Region University Transportation Center (PSR UTC)**

The bi-annual National Travel Monitoring Exposition and Conference (NaTMEC) provides travel monitoring professionals and transportation data users from around the world opportunities to share knowledge and good practices, exchange ideas, revisit fundamental concepts, learn new processes, procedures, and techniques, and see the latest advancements in policy, technology, and equipment.

[More Info](#)

METRANS PSR has a limited number of sponsored spots for complimentary student attendance to this event. Please email Cherie Jiarui Li at jiaruil@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

Advanced Master Of Science In Maritime and Air Transport Management Centre for Maritime & Air Transport Management

Join Master of Science in Maritime and Air Transport Management course offered by C-MAT to become top-notch executives and researchers in transport-related companies and organisations (shipping companies, port authorities, terminal operators, airlines, airports etc.) . a team of experienced and dynamic professors and various guest lecturers from academia and business will be involved. This can be of interest for your master or PhD students who want to come to study an extra year in Antwerp in an international environment. There are also [10 two-week specialised courses](#), on various maritime, air and research topics, which can be followed independently.

The courses are in co-operation with [TransportNET](#).
Limited number of Scholarships and Grants available.

[More Info](#)

Railway Association of Southern California Undergraduate and Graduate Scholarship Program Applications Due by April 24, 2018

The RASC will be awarding three \$2,500 scholarships to undergraduate students and three \$2,500 scholarships to graduate students for a total of six scholarships. The minimum criteria for the scholarships are:

- Undergraduate or graduate students who will be enrolled in Fall 2018 at a public or private higher education institution in Southern California (defined as Los Angeles, Riverside, San Bernardino, Orange, Ventura or San Diego counties) in a degree program which could lead to a career in the rail transportation industry.
- Minimum GPA of 3.0.
- Interested in a profession in the rail transportation industry such as engineering, planning, or operations.

The scholarships are competitive and based on the applicant's specific involvement in transportation, career goals, and academic record.

[More Info](#)

2018 SoCal American Public Works Association Scholarships Applications Due April 27, 2018

The APWA Southern California Chapter will be awarding scholarships, ranging from \$1,000 to \$5,000 to a limited number of graduating high school seniors and college students. Minimum qualification criteria include:

- Applicant must have a cumulative grade point average (GPA) of 2.5 or better, no exceptions.
- Applicant must enroll as a full-time student (a minimum of 12 units per semester) in a southern California community college, trade school, four-year college or university during the upcoming fall semester or quarter.
- Applicant must submit two letters of recommendation. One letter must come from a faculty member of their school. Recommendations from family members are not acceptable.

For questions, contact Tony Olmos at tonyo@cityofbrea.net or Carlos Castellanos at carloscastellanos_2@msn.com

[More Info](#)

College and University Rural Public and Intercity Bus Essay Competition For Undergraduate Students Submissions Due 5 pm CDT, April 30, 2018

Participate in 23rd National Conference on Rural and Intercity Bus from September 30 to October 3, 2018 in Breckenridge, Colorado by winning Student Essay Competition. Two essay winners will receive cash prizes of \$500 and \$250 and travel funding to attend the conference. Open to students from any discipline.

Essay submission entry should be sent to Del Peterson at del.peterson@ndsu.edu

More Info

**CPF 2018 Scholarships
Applications Due April 30, 2018**

CPF invites planning students to compete for a number of scholarships offered to students enrolled in eligible planning programs in California. These scholarships are designed for continuing students entering their final year of an eligible undergraduate or master's degree program. Criteria for the scholarships include academic performance, financial need, increasing diversity in the planning profession, and a commitment to serve the planning profession in California after graduation.

For questions, contact Hilary Nixon, Ph.D. at hilary.nixon@sjsu.edu or Kelly Main, Ph.D. at cpfapplications@gmail.com

More Info

**10th National Aviation System Planning Symposium
21st Century Challenges in Aviation System Planning
May 20 - 22, 2018
The Lakefront Anchorage, 4800 Spenard Road, Anchorage, Alaska 99517
Call for Posters**

The National Aviation System Planning Symposium (NASPS) is a triennial event organized with the goal of assessing the state of the art in system planning, addressing current issues confronting the airport and aviation industry, and identifying research needs to inform the future research agenda for aviation system planning. The symposium brings together system planning consultants, airport and aviation system planners and managers, air carrier and other aviation industry representatives, Federal and state transportation officials, and others interested in the future development of the aviation system and its role in the larger multi-modal transportation system for two days of meetings, presentations, and networking. The NASPS provides a unique opportunity to gather people who are actively involved in planning the aviation system to focus on its future development and improvement for a sustainable, healthy future. The symposium is cosponsored by the Transportation Research Board committees on Aviation System Planning and [Intergovernmental Relations in Aviation](#).

Participation grants are available to provide financial assistance to enable suitably qualified graduate students to attend the 10th National Aviation System Planning Symposium. Learn more about eligibility and other requirements of a [Graduate Student Participation Grant](#) online.

More Info

**SURE Program: Summer Research for Undergraduates
June 11 - August 3, 2018**

Program Benefits:

- Participate in cutting-edge research with top USC faculty
- Receive \$4,500 stipend, university housing, and travel to/from Los Angeles
- Gain experience and tools to enhance your application to competitive PhD programs
- Explore the rich and diverse culture of Southern California during a two-month stay in Los Angeles while learning about the resources at USC
- Develop lasting friendships with fellow participants
- Receive an application fee waiver for future graduate study at USC

More Info

**AAUW Educational Funding And Awards
For Graduate and Doctoral Students
Applications open by 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. Few 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

**Seeking for 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:

Internships & Jobs

This Week's Featured Opportunity

Transportation Engineer (Civil) at Caltrans



Final Filing Dates by 04/18/2018

[More Info](#)

[Easy Application](#)

Other Featured Positions

Job Title	Agency/Firm	Deadline
Chief, Office of Rail Planning and Operations Support Supervising Transportation Planner (# JC-106103)	Caltrans	18-Apr-18
	Sacramento, CA	
Associate Environmental Planner (Natural Sciences) (# 102819)	Caltrans	18-Apr-18
	Los Angeles, CA	
Transportation Planner (#1804-4114)	Department of Transportation	6-May-18
	Multiple Locations, CA	
Assistant/Associate Transportation Planner/Engineer (# 1216)	Metropolitan Transportation Commission	9-May-18
	San Francisco, CA	
Pathways Intern (Transportation Program Specialist)	Department of Transportation	
	Washington, DC/ Chicago, IL/ New York, NY/ Philadelphia PA	

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

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

METRANS Student Newsletter Staff

Priyanka Ramasamy | Publisher Editor-in-Chief | pramasam@usc.edu

Eric Tunell | Lead Editor | tunell@usc.edu

Irene Chen | Career Opportunities Editor | chen045@usc.edu

Prithvi Deore | News Editor | pdeore@usc.edu

Hue-Tam Jammé | Research Editor | jamme@usc.edu

Lin Zhu | Opportunities Editor | zhu113@usc.edu

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METRANS Transportation Center
University of Southern California
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