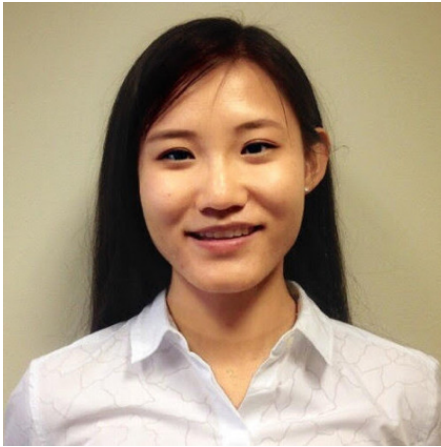


METRANS

Transportation Center

USC | CSULB

METRANS on the Move: Our Weekly Newsletter for Students



Welcome to METRANS On the Move, a weekly transportation newsletter produced by students. This week we feature research by UCLA students on financing California's infrastructure. Want your research to be featured next? Please let us know! We invite contributions from throughout the transportation community of both content and original articles. Contact me or METRANS Associate Director Victoria Deguzman at victoriv@usc.edu to share your events, opportunities, news, and stories on this METRANS platform and reach an audience of thousands of transportation enthusiasts like you!

Rui Zhang
Editor-in-Chief of METRANS On the Move
zhan305@usc.edu

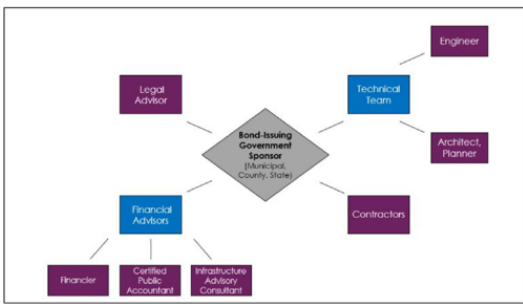
Subscribe Now!

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.

**PSR UCLA Students Conduct Research
on Financing California's
Crumbling Infrastructure**

By Karina Schneider, UCLA MURP 2019



Financing has become an increasing challenge for California infrastructure, and a group of recent graduates from the University of California, Los Angeles (UCLA) Anderson School of Management and UCLA Luskin School of Public Affairs addressed it in their recent research. **Read more [here](#).**



Giving Pedestrians a Head Start Crossing Streets

New York City has expanded the number of intersections where walk signals turn green before the lights do, giving pedestrians a head start. **Read more [here](#).**



Here are the 28 Projects that Metro Could Complete Before the 2028 Olympics

Los Angeles Mayor and current Chair Eric Garcetti unveils [the roster of his heretofore mysterious "28 by 28" initiative](#), which proposes the completion of 28 transportation projects before the start of the 2028 Summer Olympics. **Read more [here](#).**

Get Involved

Union Station Art & Architecture Tour
 · Hosted by Union Station Los Angeles and Metro Art Los Angeles
 Sunday, Dec 10, 2017, 10:30 am to 12:00 pm
 Union Station, 800 N Alameda St, Los Angeles, CA 90012

Discover art, architecture and spaces not generally open to the public in an exclusive free tour of Union Station Los Angeles. Begins at the information booth inside the Alameda Street entrance to historic Union Station. The tours are free. No reservations required.

Led by Metro Art Los Angeles Docents, the tour covers Union Station art, architecture and spaces not generally open to the public, including the Historic Ticketing Hall. Additionally, the tours explore artworks located in the Gold Line Portal, Union Station East and inside the Metro Headquarters Building.

Click [here](#) to see more information.

USDOT T3e Webinar
Advances in Modeling Transportation Supply and Demand: Coupling Activity-Based Travel Demand Modeling from Cellular Data with Agent-Based Modeling of Traveler Behavior and

System Operations
Tuesday, December 12, 2017, 10:00 am to 11:00 am Pacific Time

U.C. Berkeley's Smart Cities Research Center and Lawrence Berkeley National Laboratory worked jointly to develop new capabilities to synthesize activity-based travel demand and to model the supply of the transportation system through agent-based modeling. They applied machine learning techniques to cellular data in order to extract statistically representative mobility patterns, allowing them to generate synthetic populations from any urban region. They have also developed next generation transportation simulation capabilities through the BEAM Framework for Behavior, Energy, Autonomy, and Mobility, a tool designed for scalability and to capture the increasingly connected and dynamic transportation system.

More Info & RSVP

Eno Center for Transportation Webinar
Automated Vehicle Technology and People with Disabilities
Tuesday, December 12, 2017, 1:00 pm to 1:30 m Pacific Time

The rise of automated vehicle technology brings with it the potential to offer increased independence to people with disabilities by reducing barriers to transportation. Join Eno, Securing America's Future Energy (SAFE), and the National Federation of the Blind (NFB) on December 12 for a webinar to discuss the potential of this technology, active legislation before Congress, as well as next steps.

More Info & RSVP

INSPIRE University Transportation Center Free Webinar
Drone-Enabled Remote Sensing for Transportation Infrastructure Assessment
National Travel Monitoring Exposition and Conference
December 13, 2017, 9:00 am to 10:00 am, Pacific Time

In this presentation, recent applied research led by a Michigan Technological University team is reviewed, with a focus on bridge condition assessment and corridor monitoring. Examples of 3D optical, thermal, and LiDAR data are shown and how analysis methods result in usable information to meet pressing data needs. Finding spalls and delaminations, characterizing cracking, inventory of roadway assets, and related applications will be shown. Achievable resolutions and accuracies will be reviewed and how these data are transformed into asset condition data.

Click [here](#) to check the flyer.

RSVP

USC Career Fest
What Every International Student Should Know About Getting a Job in the U.S.
Monday, January 29, 2018, 5:00 pm to 7:00 pm
USC University Park Campus, Bovard Auditorium (ADM)
3551 Trousdale Parkway, Los Angeles, CA 90089

Studying in the U.S. is a powerful first step towards making U.S. employment a reality, but each year thousands of international students are surprised to discover that it takes more than an American degree to get a job in the U.S. Job-seekers need to understand the unique challenges facing international students. In this presentation, Dan Beaudry, former recruiter and author, provides expert tips for international students to find jobs in the U.S.

Click [here](#) to see more information.

RSVP

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

**NaTMEC 2018
Call for Poster/Presentation Abstract
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.

**For more information about presenting at the conference, please contact
Dr. Craig Rindt: crindt+natmec2018@uci.edu**

More Info

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

**METRANS Student Field Trip
Anaheim Regional Intermodal Transportation Center
Behind-the-scenes Guided Tour
Spring 2018**

- 67,000 ft.² (6,200 m²) & \$185.2 million
- LEED Platinum certified
- 2015 Public Works Project of the Year (APWA)

**Roundtrip Metrolink fare from LA Union Station included
For more information, contact Yang Deng at dengyang@usc.edu**

Flyer

**Metro Bike Share Wants Your Feedback
Whether You've Ridden Bike Share or Not**

This short, confidential survey will take just five to 15 minutes to complete. To show Metro's thanks, you will be entered for a chance to win a \$200 gift card! The winner will be selected randomly. Metro wants to hear from as many people as possible, so share the survey with your friends and family – even if they don't know about Metro Bike Share, their

feedback is important.

Metro employees, Board members and staff, or family members of the previously mentioned are not eligible for the raffle prize.

Survey

ITE Events

2017 ITE Student Chapters Night Highlights
<https://www.smugmug.com/gallery/n-vfJJnk/i-59QV78N/A>

2017 Student Leadership Summit at CSU Fullerton
<http://www.shenphotography.org/ITE/20170114-ITE-SLS/>

2017 Traffic Bowl at USC
<http://www.shenphotography.org/ITE/20170225-Traffic-Bowl/>

ITE USC Chapter plans to attend the 2018 Student Leadership Summit in Portland Oregon on Jan. 19-20, 2018. New student members could join the group.

Anyone interested in being involved should contact the Chapter Advisor, Prof. Eric Shen at ericshen@usc.edu.

Scholarships & Academic Opportunities

Metro Office of Extraordinary Innovation Fellowship Applications Due Friday, December 15, 2017

The fellowship is an academic term (semester or quarter) with the option to reapply for extension. Metro recognizes that not all schools are on the same schedule and will be flexible to accommodate the best possible candidate for this position. The fellowship term can start as soon as January 2018. The Research Fellow may be engaged on projects involving the following topics: fare policy, shared and demand-responsive mobility, innovative mechanisms for incentivizing travel mode and time shifts, congestion pricing, and Mobility on Demand.

Please submit applications by email to Emma Huang at huange@metro.net by 5:00pm on December 15, 2017 with “OEI Research Fellowship” in the subject line.

Flyer

Mount Vernon Leadership Fellows Program Applications Due December 31, 2017

The Mount Vernon Leadership Fellows Program is a highly selective six week summer institute for rising college juniors offering unparalleled learning and networking opportunities at the home of America's first president. Provides housing, transportation, meals, and a \$3000 stipend.

Applications may be submitted electronically to fellowships@mountvernon.org.

More Info

**97th Annual Meeting of the Transportation Research Board
Doctoral Research in Transport Modeling and Traveler Behavior
Sunday, January 7, 2018, 1:30 pm - 5:00 pm
Walter E. Washington Convention Center
Washington, D.C.**

At this workshop, PhD students conducting research in transportation modeling or traveler behavior are invited to present their work and discuss issues and questions they encountered. Individuals who wish to present their research need to submit required documents in Word or PDF format both to Rolf Moeckel, Technical University of Munich, at rolf.moeckel@tum.de, and to Patricia Mokhtarian, Georgia Institute of Technology, at patmokh@gatech.edu.

If you have any questions, please email Rolf Moeckel at rolf.moeckel@tum.de.

More Info

**The Benjamin H. Stevens 2018 - 2019 Graduate Fellowship in Regional Science
Applications Due February 15, 2018**

Graduate students enrolled in Ph.D. programs in North America are encouraged to apply for the Eighteenth Benjamin H. Stevens Graduate Fellowship in Regional Science, administered by the North American Regional Science Council of the Regional Science Association International (NARSC-RSAI).

The Fellowship consists of a stipend in the amount of \$30,000 (U.S.), paid over a twelve-month period. Applications for the 2018–2019 Fellowship should be sent electronically by the applicant to the Selection Committee Chair, Professor Mario Polèse, mario.polese@ucs.inrs.ca by the deadline of February 15, 2018.

Applications should be emailed to Professor Mario Polèse at mario.polese@ucs.inrs.ca. Questions may also be sent to him at mario.polese@ucs.inrs.ca. For information about the Regional Science Association International (RSAI), go to www.regionalscience.org.

More Info About NARSC

**Diane Woodend Jones WTS Chair Scholarship
Eno Leadership Development Conference for Emerging Professionals
Applications Due Friday, February 16, 2018
The 2018 conference will be held May 20 - 24, 2018, in Washington, DC.**

Thanks to the generosity of Diane Woodend Jones, WTS Chair, one of the 2018 Eno Center for Transportation's Leadership Development attendees will be a WTS member and attend at no cost.

**For more information about the program and past speakers,
please e-mail LDC@enotrans.com.**

Flyer

23rd National Rural Public and Intercity Bus Conference
College and University Rural Public and Intercity Bus Essay Competition
Changing Lives, Strengthening Communities
Applications Due at 7 pm Pacific Time, April 15, 2018

The 23rd National Conference on Rural and Intercity Bus is scheduled to take place in September 30 – October 3, 2018 in Breckenridge, Colorado. To encourage student participation in the conference, students attending an accredited U.S. community college, four-year college, or university as an undergraduate are offered the opportunity to participate in an essay competition. Two essay winners will receive cash prizes as well as travel funds to attend the conference.

Essay Winners: 1st place \$500 and 2nd place is \$250

Students must attend an accredited U.S. community college, four-year college, or university as an undergraduate.

Flyer

Fun Stuff

Train to Santa's Workshop
Weekends in December
Orange Empire Railway Museum

Embark on a magical train ride from Southern California to visit with Santa Claus himself at his "North Pole" workshop. Ride the train from the Orange Empire Railway Museum in Perris, where elves will lead your family in Christmas songs, holiday trivia games and storytelling. Santa greets the guests as they arrive at the workshop. At the workshop children will be able to play in the play area and do craft activities.

Tickets & More Info

Internships & Jobs

Job Title	Agency/Firm	Deadline
<u>Student Professional Worker (5 positions): Urban Planning, Urban Design, or Transportation Planning</u>	LADOT	15-Dec
	Los Angeles, CA	
<u>Research Internship with Housing is a Human Right</u>	Housing is a Human Right	
	Los Angeles, CA	

<u>Complete Street Designer/Active Transportation Planner (#USPL15)</u>	Steer Davies Gleave	
	Los Angeles, CA	
<u>Graduate Interns</u>	SGVCOG	
	Alhambra, CA	
<u>Internships with the Science and Technology Innovation Program</u>	Wilson Center	
	Washington, DC	
<u>Transportation Associate I</u>	ELTP program at LA Metro	
	Los Angeles, CA	
<u>Planning Intern (#35438)</u>	WSP USA	
	New York, NY	
<u>Assistant Transportation Engineer (Entry Level)</u>	WKE	
	Santa Ana, CA	
<u>Bridge Engineer</u>	WKE	
	Santa Ana, CA	
<u>Civil Engineer</u>	LIN Consulting, Inc.	
	Irvine, CA	
<u>Industrial Engineering Supervisor</u>	UPS	
	Fontana, CA	
<u>Transportation Plan Reviewer</u>	South Coast Air Quality Management District	
	Diamond Bar, CA	
<u>Internship at Downtown Field Office</u>	LA City Hall	
	Los Angeles, CA	
<u>Administrative Intern - Planning Division (#17-009)</u>	City of Manhattan Beach	
	Manhattan Beach, CA	
<u>Metro Administrative Intern</u>	Metro Vanpool Program	
	LOS Angeles, CA	
<u>Senior Transportation Engineer (#160838BR)</u>	AECOM	
	Virginia Beach, VA	
<u>Traffic Engineer, ITS</u>	AECOM	
	San Jose, CA	
<u>GIS Developer (#33925)</u>	WSP USA	
	Sacramento, CA	
<u>Strategic Planning Manager - Train Operations and Transportation (#34072)</u>	WSP USA	
	Sacramento, CA	
	Fehr & Peers	

<u>Mid- to Senior-Level Transportation Project Manager</u>	San Francisco/San Jose/Walnut Creek, CA	
<u>Multiple Openings</u>	DKS Associates	
	CA, OR, WA	
<u>US Planning Director</u>	Kounkuey Design Initiative (KDI)	
	Los Angeles, CA	
<u>Practice Leader, Transportation Planning (#LOS00006X)</u>	ARUP	
	Los Angeles, CA	
<u>Associate Planner (#062217)</u>	City of Palmdale	
	Palmdale, CA	
<u>Designing an Innovative Transportation System for Groundbreaking Projects</u>	FUSE Fellowship	
	San Jose, CA	
<u>Planner (Comprehensive)</u>	Dyett & Bhatia, Urban and Regional Planners	
	San Francisco, CA	
<u>Transportation Planner/Engineer</u>	LSA Associates, Inc.	
	Riverside, CA	
<u>Associate Transportation Planner</u>	Caltrans	
	Sacramento, CA	
<u>Engineering Intern</u> Send Resume to Victoria Deguzman at victoriv@usc.edu	KOA Corporation	
	Orange County & San Diego, CA	

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