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

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.

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.

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.

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
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

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

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

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
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.

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.

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.

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.

Diane Woodend Jones WTS ChairScholarship
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.
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.

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

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<th>Agency/Firm</th>
<th>Deadline</th>
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<td><strong>Student Professional Worker (5 positions): Urban Planning, Urban Design, or Transportation Planning</strong></td>
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<td>15-Dec</td>
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<td>Los Angeles, CA</td>
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<td><strong>Research Internship with Housing is a Human Right</strong></td>
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<td>Complete Street Designer/Active Transportation Planner (#USPL15)</td>
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<td>SGVCOG</td>
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<td>Internships with the Science and Technology Innovation Program</td>
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<td>Transportation Associate I</td>
<td>ELTP program at LA Metro</td>
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<td>Planning Intern (#35438)</td>
<td>WSP USA</td>
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<td>Assistant Transportation Engineer (Entry Level)</td>
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<td>Bridge Engineer</td>
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<td>Civil Engineer</td>
<td>LIN Consulting, Inc.</td>
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<td>Industrial Engineering Supervisor</td>
<td>UPS</td>
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<td>Transportation Plan Reviewer</td>
<td>South Coast Air Quality Management District</td>
<td>Diamond Bar, CA</td>
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<td>Internship at Downtown Field Office</td>
<td>LA City Hall</td>
<td>Los Angeles, CA</td>
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<td>Administrative Intern - Planning Division (#17-009)</td>
<td>City of Manhattan Beach</td>
<td>Manhattan Beach, CA</td>
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<td>Metro Administrative Intern</td>
<td>Metro Vanpool Program</td>
<td>LOS Angeles, CA</td>
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<td>Senior Transportation Engineer (#160838BR)</td>
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<td>GIS Developer (#33925)</td>
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<td>Strategic Planning Manager - Train Operations and Transportation (#34072)</td>
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<tr>
<td>Mid- to Senior-Level Transportation Project Manager</td>
<td>DKS Associates</td>
<td>San Francisco/San Jose/Walnut Creek, CA, OR, WA</td>
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<td>Multiple Openings</td>
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<td>US Planning Director</td>
<td>Kounkuey Design Initiative (KDI)</td>
<td>Los Angeles, CA</td>
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<td>Practice Leader, Transportation Planning (#LOS00006X)</td>
<td>ARUP</td>
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<td>Designing an Innovative Transportation System for Groundbreaking Projects</td>
<td>FUSE Fellowship</td>
<td>San Jose, CA</td>
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<td>Planner (Comprehensive)</td>
<td>Dyett &amp; Bhatia, Urban and Regional Planners</td>
<td>San Francisco, CA</td>
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<td>Transportation Planner/Engineer</td>
<td>LSA Associates, Inc.</td>
<td>Riverside, CA</td>
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<tr>
<td>Associate Transportation Planner</td>
<td>Caltrans</td>
<td>Sacramento, CA</td>
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<tr>
<td>Engineering Intern</td>
<td>KOA Corporation</td>
<td>Orange County &amp; San Diego, CA</td>
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