

METRANS

Transportation Center

USC CSULB

METRANS on the Move: Our Weekly Newsletter for Students



USC Students, Alumni, and friends Celebrating International Women's Day with WTS-LA

Welcome to this week's issue of METRANS on the Move! This newsletter is a team effort to foster knowledge and opportunities related to transportation. If you have suggestions for content – events, scholarships, internships, jobs, and more –that you'd like to see included, just reach out to our Editor-in-Chief Lauren Mullarkey-Williams at mullarke@usc.edu or any of our student staff listed at the end of the newsletter. Enjoy this week's issue, 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.

Feminist Research Institute's Sarah Reboloso McCullough Discusses Equity & Justice in Bicycle Research, Planning, & Advocacy

By: Seth Karten, UC Davis ITS

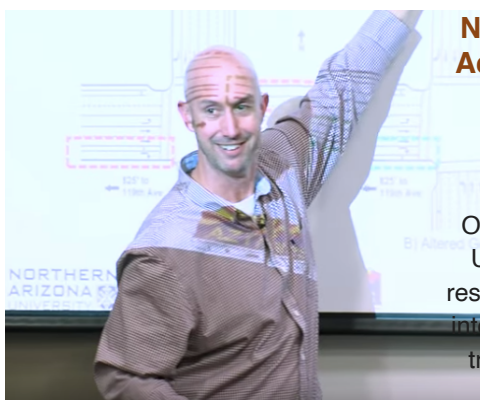


As cities and towns develop policies and infrastructure to accommodate the growth of shared, electric, and traditional bicycles, it is crucial that researchers, planners, and policymakers consider the wide range of experiences and needs among bicyclists. To address this, the February 15 seminar hosted by the Institute of Transportation Studies at UC Davis (ITS-Davis) focused on strategies for making bicycle research, policy, and advocacy more equitable, inclusive, and just.

[Read more here.](#)

NAU's Edward Smaglik Reaches Avid Bicyclists by Addressing Bicycle-Vehicle Conflicts with Alternate Signal Control Strategies

By: Susan Gonzalez, M.S. Transportation Engineering, USC 2020

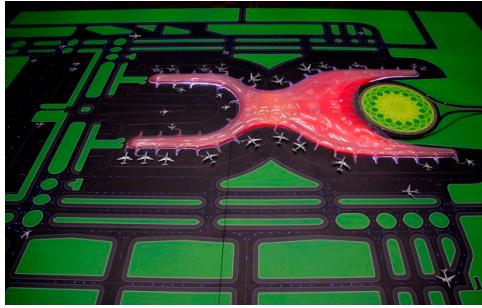


On February 20, 2019, Dr. Edward Smaglik of Northern Arizona University presented results from a NITC-funded collaborative research project which investigated bicycle-vehicle safety at urban intersections and aimed to address conflicts through signal timing treatments while also maintaining efficiency for all user groups within the intersection.

[Read more here.](#)

Navigator: I Love Airports!

According to French anthropologist Marc Augé, airports are places of “solitude and similitude,” where people who pass through become reduced to their roles—they are passengers or pilots before they are people, it seems like. But in a blog post for the Smithsonian National Air and Space Museum, author Jenifer Van Vleck disagrees, arguing that an airport is “a deeply social space—and, indeed, an emotionally charged space.”



Read more [here](#).

How Smart City Tech is Helping to Keep Cars from Illegally Driving on This Car-free Street



In Downtown Brooklyn, Fulton Street—the neighborhood’s commercial thoroughfare—is restricted to cars. Technically, at least. Fulton is designated as a bus-priority street, but around 3,000 cars each month use the corridor when they’re not supposed to. This creates issues for the buses and their 20,000 daily riders, which rely on clear lanes to make up time on their otherwise crowded routes, and for the pedestrians and cyclists that also depend on the road being car-free for a safer trip.

Read more [here](#).

Get Involved

ENO Center for Transportation Webinar: Equity in Ridehailing Services Thursday, March 14, 2019 1:00 pm - 1:30 pm Pacific

For decades, taxis have provided profoundly unequal levels of service based on rider race. In 2012, however, ridehail companies such as Uber and Lyft upended the taxi industry by connecting riders to drivers using smartphone applications. Yet despite potential equity implications for travelers, we do not know if discrimination manifests in these new services and how it compares to the status quo embodied by taxis.

To fill this gap, this paper asks and answers two questions. First, is there evidence of service discrimination—manifested in longer wait times and higher rates of cancelled ride requests—by rider race, ethnicity, or gender on ridehail and taxi services? And second, can different hailing platforms combined with quantitative differences across riders yield insights into when discrimination occurs?

Distinguished Speakers:

Alice Grossman, PhD, Policy Analyst, Eno Center for Transportation
Anne Brown, PhD, Assistant Professor, School of Planning, Public Policy, and Management at the University of Oregon

To register for this free webinar, click [here](#).

More Info

3 Revolutions Policy Conference: Shared - Autonomous - Electric March 18-19, 2019 9:00 am - 5:30 pm Pacific UC Davis Conference Center, 550 Alumni Ln. Davis, CA 95616

The 3 Revolution Policy Conference is the only major conference that addresses policy solutions for vehicle automation, shared mobility, and electrification. Last year’s 3 Revolutions Policy Conference sold out, with more than 350 attendees.

This year, we’re thinking bigger. Not just about crowd size (although we did reserve a slightly larger room!), but also about impact. We’re convening everyone with a stake in transportation—representatives of local, state, and national governments, automakers, shared mobility companies, academics, and community advocates—to build a network committed to real policy outcomes.

We invite you to join us in building a path to the future. We need leaders from all sectors to collaborate in designing policies and practices in the best interest of society. Innovation in transportation is sweeping our cities and societies, and we must be prepared. Governments need ongoing and consistent support to hasten the adoption of electrification and shared mobility strategies and to direct automation toward the public interest. Together, we can help.

For questions, contact 3Rev@ucdavis.edu.

More Info

METRANS 2019 Speaker Series: Critical Perspectives and Recent Research on the Travel Behavior Implications of Disruptive Trends and Autonomous Vehicles Tuesday, March 19, 2019 12:00 pm - 1:30 pm Pacific USC - RGL 100

Self-driving or autonomous vehicles (AVs) are predicted to dramatically reshape the design and use of our transportation systems. Learn about some of the key potential travel behavioral impacts (on latent demand, vehicle ownership, travel time use, vehicle-miles-traveled, transit ridership, and overall travel demand) of autonomous vehicles and other disruptive trends.

Distinguished Speaker:

Ronald T. Milam, AICP, PTP, Director of Evolving the Status Quo at Fehr & Peers

To RSVP, email [Adylbek Abdykali](mailto:Adylbek.Abdykali@usc.edu) at abdykali@usc.edu.

[More Info](#)

**WTS-OC Proudly Presents:
San Diego Association of Governments
Wednesday, March 20, 2019 11:30 am - 1:30 pm Pacific
The Promenade & Gardens
1570 Scenic Ave., Costa Mesa, CA 92626**

Newly appointed San Diego Council of Governments (SANDAG) Executive Director Hasan Ikharta oversees a staff of 375 people and a \$1.3 billion FY 2019 budget to facilitate the efficient movement of people and goods. As part of its 2019-2050 Regional Plan, San Diego Forward, SANDAG is developing a plan for a growing community that provides a vision for the region's future growth and development. Please join us as we honor our distinguished guest as he speaks about SANDAG's new visionary plan for transportation in San Diego County.

Distinguished Speaker:

Hasan Ikharta, Executive Director, San Diego Association of Governments

[Click the link below for more info.](#)

[More Info](#)

**USC Society of Women Engineers (SWE):
Engineering is SWEet
Saturday, March 23, 2019 10 am - 12 pm Pacific
USC Michelson Center for Convergent Bioscience**

USC SWE is looking for volunteers to work with the American Society of Civil Engineers as the two groups put on a two-hour long educational experience to introduce engineering to middle-school aged girls. This is a great opportunity to gain service hours on-campus and share your passion for engineering with the next generation of female leaders.

Email [Dominie Miyasato](mailto:Dominie.Miyasato@usc.edu) at dmiyasat@usc.edu to sign up to volunteer.

[More Info](#)

**METRANS, UCI, and PSR Field Trip:
Anaheim Regional Transportation Inter-modal Center
Saturday, March 23, 2019 11:30 am - 2:30 pm Pacific
Anaheim, CA**

Join us for a behind-the-scenes guided tour of the Anaheim Regional Transportation Inter-modal Center! Better known as ARTIC, this station provides rail, bus, taxi, and other services for daily commuters in Southern California. With an iconic design and stunning lighting, ARTIC is also a popular location for filming and photography.

Students are invited on an optional roundtrip MetroLink trip from LA Union Station, with a 10:50 am departure. Complimentary train tickets are in limited supply. Lunch is provided thanks to our generous cosponsors, MetroLink and KOA.

Email [Adyl Abdykali](mailto:Adyl.Abdykali@usc.edu) at abdykali@usc.edu to RSVP for this event.

[More Info](#)

**2019 Eberhardt Rechtin Keynote Lecture:
IE + IT: A Match Made for Innovation by Juan Perez
Friday, April 5, 2019 2 pm Pacific
USC Hotel Center Ballroom**

Few relationships are more mutually beneficial than the one between industrial engineering (IE) and information technology (IT). The trick? Building a structure of culture that allows IE and IT to operate as allies instead of adversaries.

In this keynote, Juan Perez will share how wearing two hats allows him to drive innovation at UPS, the logistics leader that's really a technology company with trucks.

Distinguished Speaker:

Juan Perez, Chief Information & Chief Engineering Officer, UPS

To RSVP, email ise.chair@usc.edu.

[More Info](#)

**METRANS 2019 Speaker Series:
Ghost Cars and Fake Obstacles: Automated Security Analysis of Emerging Smart Transportation Systems
Wednesday, April 10, 2019 2 pm - 3 pm Pacific
USC**

Transportation systems today will soon be transformed profoundly due to two recent technology advances: Connected Vehicle (CV) and

Autonomous Vehicle (AV). Such transformation leads to the creation of a series of next-generation transportation systems which can substantially improve the quality of our everyday lives.

However, this also brings new features and operation modes into the transportation ecosystem, e.g., network connectivity and machine learning based sensing, which may introduce new security problems and challenges. In this talk, Qi Alfred Chen will describe my current research that initiates the first effort towards systematically understanding the robustness of the software-based control in CV and AV systems.

Distinguished Speaker:

Qi Alfred Chen, Assistant Professor in the Department of Computer Science at UC Irvine

To RSVP, email **Adylbek Abdykalikov** at abdykali@usc.edu.

More Info

EXP Internship Program: Powered by Prologis
Interviewer Interest Due: Wednesday, April 10, 2019
Event: Tuesday, April 16 2019 8 am - 1 pm Pacific
The Carson Center
801 E. Carson Street
Carson, CA 90745

Here's your chance to help students prepare for success! We're looking for interviewers to conduct mock interviews with our 11-grade students. This will help the students in the EXP Internship Program to prepare for their employer interviews and get first-hand interactions with professionals.

Sign up for one (or more!) of the following time blocks: 8-10 am, 10am-12pm, 11am-1pm. Professionals are welcome to bring interested colleague(s). Light refreshments will be provided.

To sign up, email **Megan Fowler** at megan@expfuture.org.

More Info

Scholarships & Academic Opportunities

**2018-2019 Airport Cooperative Research Program (ACRP):
 University Design Competition for Addressing Airport Needs**
Submission Deadline: Monday, April 29, 2019

The Airport Cooperative Research Program (ACRP), a program of the Transportation Research Board (TRB) of the National Academies of Sciences, Engineering, and Medicine, is sponsoring a national competition for universities that engages students in addressing issues relating to airports and the National Airspace System. The Competition builds upon the former FAA Design Competition for Universities which has now become an ACRP program funded by the FAA. The Competition is managed for the ACRP by the **Virginia Space Grant Consortium** of Hampton, Va.

This Competition challenges individuals and teams of undergraduate and/or graduate students working with faculty advisors at U.S. colleges and universities to consider innovative approaches related to airport issues. Students can win cash prizes for their winning innovative design solutions. First place winners present their work at a national award ceremony. Full details are provided in the competition guidelines.

This Competition focuses on design solutions in the following broad areas: Airport Operation and Maintenance, Runway Safety/Runway Incursions/ Runway Excursions, Airport Environmental Interactions, and Airport Management and Planning. Some specific challenge areas are defined in the Technical Design Challenges section of the guidelines. Students are not limited to the suggested topical areas listed. They are free to propose design solutions based on other topics that fit the four broad challenge areas.

For questions, email ACRP@odu.edu or click [here](#) for more information.

More Info

**USC Sol Price Center for Social Innovation:
 Southern California Symposium**
Symposium: March - May 2019

The Southern California Symposium, the Price Center for Social Innovation's executive education program, is an exceptional opportunity for learning, collaboration and professional growth over a short time frame. A concentrated and intense experience that will not wreak havoc on your calendar, the Symposium starts the third week of March and is finished by the first week of May. The time in between will prove unforgettable.

Apply before Friday, December 14th to waive the application fee. Additional fee waivers may be available.

For more information, check out the video at the link below or register [here](#).

More Info

**2019 I-NUF:
 8th METRANS International Urban Freight Conference**
Abstracts Due: Wednesday, May 1, 2019
October 16-18, 2019
Hotel Maya, Long Beach, CA

The purpose of I-NUF is to provide a forum for sharing emerging, multi-disciplinary research on all aspect of freight in metropolitan areas. We

are soliciting abstracts for conference presentations as well as papers.

We are soliciting abstracts for both conference presentations and papers on the following topics: Local/last mile pickup and delivery, Trade nodes and hubs - ports, airports, distribution hubs, Freight modes - trucking, rail, water, Urban modeling and planning, New technology, Changing consumption, production and spatial organization, and Best practices.

Sustainability is a cross-cutting theme. We welcome papers on environmental impacts or mitigation strategies in all thematic areas. We also welcome proposals for special sessions.

Please submit abstracts [here](#) and send proposals for special sessions to Alix Traver at alix.traver@csulb.edu.

More Info

**2019 Transportation Research Forum:
60th Diamond Jubilee
May 2-3, 2019
1001 16th St. NW Washington, D.C. 20036**

Join transportation practitioners, regulators and researchers from the DC region and across the nation as they gather in Washington, D.C. May 2-3, 2019. Attendees will learn the best in current transportation research, applied practices and innovations which are impacting public sector policy initiatives, enhancing existing markets, and creating new market opportunities to meet current demands and future expectations in the transportation arena.

Through a combination of plenary sessions, notable speakers, research presentations and policy discussions, transportation professionals from a cross-section of modes and sectors will come together to share ideas, explore current research and policy issues, and build networks. Field trips before and after the conference program will take you behind the scenes to several DC-based transportation systems and facilities.

More Info

**Young Researchers' Conference 2019
Saturday, May 26, 2019
IIT Bombay, India**

WCTRS-Y is a one-day conference which will be held on the first day of the World Conference on Transport Research (WCTR), at the Indian Institute of Technology Bombay, India. Dedicated to the next generation of transport academics, professionals and experts, the WCTR-Y presents the work and achievements of PhD students, post-doctoral fellows and young researchers, giving them the opportunity to play a major role in the scientific progress, and to discuss and interchange on new developments and ideas in transportation.

In addition to the presentation of a limited number of selected high-quality conference papers, WCTR-Y will also include special sessions targeted towards the academic and professional development of young researchers during which they will be able to interact with and learn from their peers and seniors.

More Info

**UITP Global Public Transportation Summit
June 9-12, 2019
Stockholm, Sweden**

With almost 130 years of history behind it, the UITP Global Public Transport Summit proudly remains the world's biggest event dedicated to sustainable mobility. Covering all urban and regional transport modes across the globe, the Summit combines a diverse program of leading Congress sessions and an outstanding Exhibition full of the latest innovations, solutions and products. The theme for the 2019 Global Public Transport Summit is 'The Art of Public Transport'.

This event takes place every two years, with the congress showcasing innovative developments and good practices, whilst the exhibition provides an overview of the latest trends in products related to public transport. The Poster session is the main format used to include in our program areas related to innovation in research, R&I and pilot projects within the public Transport Sector. Also, as a participant you will be considered as speaker and benefit from the discounted rates and access to all events (conditions apply).

For more information, contact Hilia Boris Iglesia at hilia.boris.iglesia@uitp.org.

More Info

A limited number of Student Scholarships for Ph.D. students, and Volunteer Positions for Graduate Students are available. Both positions waive the student registration fee.

**56th IMCL Conference on A Healthy City for All
June 17-21, 2019
Sentinel Hotel, Portland, OR**

We are delighted to welcome delegates to the 56th International Making Cities Livable Conference to Portland, and thrilled by the conference theme, "A Healthy City for ALL." This is an effort close to the heart of all Portlanders as we introduce strategies to make our neighborhoods healthier places to live, as we expand our programming to continue to produce housing units and to compassionately address homelessness.

This Conference will be a landmark event, with an unprecedented gathering of world-renowned experts in planning, urban design, public health, architecture, social sciences, civic government, and allied fields.

Interested students should send their resume, a short statement (250 words) why the conference is of interest to them, and to which program they are applying (Scholarship or Volunteer) before March 1 to suzanne.lennard@livablecities.org.

More Info

6th International Conference on Women's Issues in Transportation September 10-13, 2019 The Beckman Center, Irvine, CA

TRB is sponsoring the 6th International Conference on Women's Issues in Transportation (WIIIT 2019) on September 10-13, 2019 in Irvine, California. This conference explores women's perspectives, challenges, achievements, and opportunities with respect to travel and transportation.

This conference also provides an update on the progress and challenges in relation to women and mobility; explores how gender equality practices in transportation are increasing business and economics development; exchanges ideas on how public agencies can incorporate good gender equality policies and practices with approaches to oversee efforts and measure performance; and examines methods to address safety and security of women who are employed with or using transportation systems.

For more information, click the link below or register [here](#).

More Info

Massive Open Online Course (MOOC) on Sustainable Urban Freight Open through September 2019

We are happy to announce the re-run of the successful Sustainable Urban Freight Transport MOOC on edX as of 4th December 2018. This time the MOOC is presented as a self-paced course, students and professionals can access the free course till September 2019.

The MOOC is the result of a collaboration between 8 partners of the global COE-SUFS network. It provides a unique cross-cultural introduction to city logistics, as experienced around the world (Netherlands, Japan, India, UK, Australia, South-Africa and Sweden).

For more information, contact Tharsis Teoh at t.g.h.teoh@tudelft.nl or click the link below.

More Info

Internships & Jobs

This Week's Featured Opportunities

**Planning Internship
Orange County, CA**



More Info

Job Title	Agency/Firm	Deadline
Civil Engineer	US Department of Homeland Security Oakland, CA	03/13/2019
Transportation Engineer (Asset Manager Assistant) (# JC-148060)	Caltrans San Joaquin, CA	03/21/2019
Transportation Engineer (Electrical) (# JC-148351)	Caltrans Alameda, CA	03/22/2019
Senior Traffic Engineer (# K68NN-19)	City of Long Beach Long Beach, CA	03/22/2019
Assistant Planner	City of Poway Poway, CA	03/24/2019
	California State University	

Construction Project Coordinator (Associate Academic & Instituti (# 60590))	Pomona, CA	03/25/2019
Civil Engineer Intern - Water (# 1284)	Black & Veatch Family of Companies Irvine, CA	

We found **90+ more fresh positions** for you!

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

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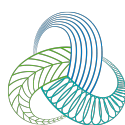
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