

METRANS

Transportation Center

USC CSULB

METRANS on the Move: Our Weekly Newsletter for Students

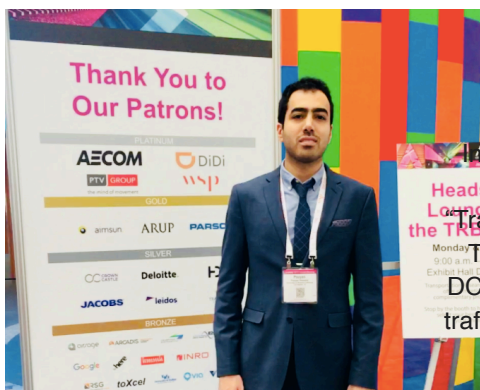


Welcome to this week's issue of METRANS on the Move! This newsletter is a team effort to foster knowledge and opportunities related to transportation. If you have suggestions for content – events, scholarships, internships, jobs, and more –that you'd like to see included, just reach out to our Editor-in-Chief 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!

[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.



Transportation PhD Pouyan Hosseini Presents Research at TRB

By: Adylbek Abdykalikov, USC IPPAM 2020

In January 2019, Pouyan Hosseini, USC Viterbi PhD Candidate presented his research at doctoral student seminar on "Transportation Operations and Traffic Control" at the 2019 Annual Transportation Research Board (TRB) Meeting in Washington, DC. His research is on analysis and control of traffic flow on urban traffic systems and on developing optimization tools to improve the performance of signalized arterial networks.

[Read more here.](#)

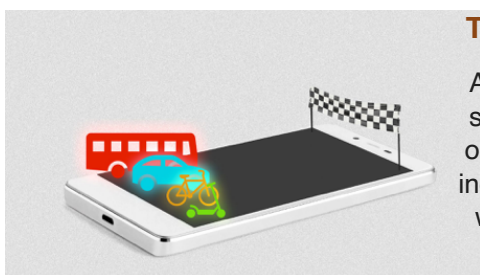
California Department of Motor Vehicles' Bernard Soriano Shares Insights on Self-driving Vehicle Development, Regulation, and Testing

By: Seth Karten, UC Davis ITS



With self-driving vehicles capturing the attention of the public, industry, investors, government, and the media, the head of the autonomous vehicle program at the California Department of Motor Vehicles (DMV) was the featured speaker at the February 1 seminar hosted by the Institute of Transportation Studies at UC Davis (ITS-Davis). DMV Deputy Director Bernard Soriano spoke at the seminar, sponsored through ITS-Davis' partnership with the Pacific Southwest Region University Transportation Center.

[Read more here.](#)



The Race to Become the All-in-One Transport App

As new transportation options like bike and scooter rental services proliferate, ride-hailing companies are rushing to outfit their mobile apps with as many services as possible, including public transit. Yes, but: They still have to compete with Google Maps, the 800-pound gorilla in this realm — which is also their business partner.

[Read more here.](#)

Transportation Secretary Chao Tells State Officials It's Time to Invest in Infrastructure

Transportation Secretary Elaine Chao on Wednesday endorsed a congressional push to invest in the nation's infrastructure in remarks before a gathering of state



transportation officials. “We need to address these challenges because our nation’s prosperity, public safety and our public infrastructure have never been more intertwined,” Chao said, underscoring that “how to pay for” infrastructure needs would have to be resolved.

Read more [here](#).

There’s a Reason Transit Ridership is Rising in These 7 Cities



The 2018 figures for American transit agencies are in, and the ridership emergency is far from over. Last year, in the vast majority of cities, fewer people rode buses and trains than the year before. The drop remained alarmingly large in major cities like New York, Chicago, and LA. But within the wider trend, there is cause for optimism: More agencies and city governments are showing how to escape the cycle of ridership loss and get people back on transit.

Read more [here](#).

Get Involved

WTS-LA Information Session
Monday, March 4, 2019 12:30 pm - 1:30 pm Pacific
USC - RGL 103

The WTS-LA College Outreach committee focuses on engaging emerging young students who are interested in transportation and involvement in WTS-LA. With ongoing commitment to WTS-LA mission and goals, the College Outreach committee aims to provide exclusive opportunities connecting aspiring transportation professionals with real world opportunities via internships and full-time employment in the non-profit, public, and private sectors. We encourage students to become members of WTS-LA for exclusive opportunities.

For Questions, Please contact the College Outreach Chair, Darlene Gonzalez at wtsla.collegeoutreach@gmail.com.

More Info

NTSB and TRB Webinar:
Leading Future Improvements in Transportation
Tuesday, March 5, 2019 11:00 am - 12:30 pm Pacific

The NTSB Most Wanted List identifies what the NTSB has prioritized as its top safety priorities across all modes to prevent accidents and save lives. This list serves as the NTSB’s roadmap for developing multi-modal lifesaving solutions.

TRB’s Critical Issues in Transportation 2019 identifies a series of challenging questions to explore issues and opportunities that may arise 10 to 20 years into the future. Changes to the transportation sector are coming rapidly from all directions, and have the potential to vastly alter the trajectory of transportation. Webinar presenters will focus on the elements of safety and security.

Distinguished Speakers:

Bruce Landsberg, National Transportation Safety Board
 Neil Pedersen, Transportation Research Board

Click the link below to register.

More Info

Resources for the Future:
The Future of Carbon Pricing
Wednesday, March 6, 2019 2:30 pm - 3:30 pm Pacific
Resources & Conservation Center
1400 16th St. NW, Washington, DC

Join RFF Live’s The Future of Carbon Pricing, where we will sit down with Dr. Gilbert Metcalf to discuss his book Paying for Pollution: Why a Carbon Tax is Good for America, published in 2019 by Oxford University Press. The event will kick off with brief remarks from Metcalf about the book, followed by a moderated conversation with economist Douglas Holtz-Eakin. The two will discuss the opportunities and challenges facing carbon pricing during the next few years, as well as lessons learned from carbon pricing around the world.

The event will be live streamed on the RFF website [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

**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 at dmiyasat@usc.edu](mailto: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 Abdykolikov at abdykali@usc.edu](mailto: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.](mailto: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

**UITP Global Public Transport Summit:
Call for Young Researchers Award Nominations
Submission Deadline: Friday, March 8, 2019
June 9-12, 2019
Stockholm, Sweden**

This year, UITP has opted to launch a new Young Researcher Award which will be announced at the upcoming UITP Summit, held in Stockholm, 9-12 June 2019. This awards seeks to highlight and celebrate the work being carried by universities and research centers which have been well received by the public transport community, thanks to their innovation, impact or significance.

The UITP Awards showcase ambitious and innovative public transport projects undertaken in the last two years in cities and regions around the world. These should position public transport as the backbone of urban and local mobility solutions. The UITP Award categories recognize and reward ambitious and innovative practices in five key dimensions that companies and organizations need to address to put in place sustainable urban and local mobility systems. These are: Innovation, Contribution, Transferability, Partnership, and Relevance.

For questions, email **Hilia Boris Iglesia** at hilia.boris-iglesia@uitp.org

More Info

**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

**Dwight David Eisenhower Transportation Fellowship Program
DOT Federal Highway Administration**



More Info

Job Title	Agency/Firm	Deadline
5201 Junior Engineer (Transportation) (# Recruitment #CBT-5201-902941)	City & County of San Francisco	3/8/2019
	San Francisco, CA	
Junior Engineer	City of Salinas	3/8/2019
	Salinas, CA	
Civil Engineer - Structural (# 525771200)	US Department of Transportation	3/11/2019
	Sacramento, CA	
Engineering Assistant (Project Employee) (# 003811-003)	Los Angeles County Metropolitan Transportation Authority	3/11/2019
	Los Angeles, CA	
Resident Engineer (# JC-147180)	Caltrans	3/15/2019
	Tulare, CA	
Associate Engineer (Imported Supply Unit) (# 2019-1177)	Metropolitan Water District of Southern California	3/21/2019
	Los Angeles, CA	
Engineer III - Traffic Engineer (# 0219PM-00634-01)	County of San Luis Obispo	3/26/2019
	San Luis Obispo, CA	

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

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

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