

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!

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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.

The Transportation Planning Racquet: UC Irvine PhD Pulls Double Duty in the Lab and on the Badminton Court

By: Drew Quinn, USC 2019



UC Irvine Electrical Engineering and Computer Science PhD Student Anthony Lopez became interested in transportation upon commencing his doctoral studies at UCI when he and a lab mate began to work on a project dealing with wireless communication security for intelligent transportation systems and the future of connected vehicles.

Read more [here](#).

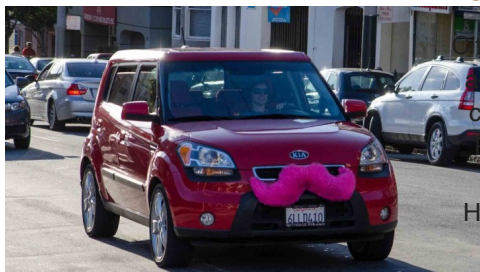
Italian City Bari to Pay People to Cycle to Work



"If you pedal, you will earn not only health!", said the mayor of Bari Antonio DeCaro to the citizens, signing the resolution adopted by the city council. Bari is the first Italian city where the experiment on transplanting citizens from cars to bicycles. It will last four months and for its implementation 545 thousand euros have been allocated to the budget of the municipality of Bari.

Read more [here](#).

Study: Uber and Lyft Reduce the Need for Parking

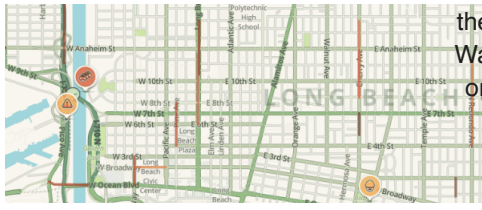


Cities should rethink how much land they devote to parking in the age of Uber and Lyft — particularly at destinations like airports, concert venues and bars and restaurants, a new study shows. Parking scarcity or price is one of the top reasons people use Uber and Lyft. University of Colorado researchers Alejandro Henao and Wesley Marshall estimate that about a quarter of all ride hailing trips would have otherwise consumed a parking space.

Read more [here](#).

Long Beach to Work With Traffic Apps to Limit Diverting Cars Onto Residential Streets

The Long Beach City Council on Tuesday unanimously directed



the city manager to contact traffic navigation app developers like Waze to see what can be done to curtail the apps diverting traffic onto residential streets. The request came from Councilwoman Suzie Price who represents southeast Long Beach.

Read more [here](#).

Get Involved

**METRANS 2019 Speaker Series:
Changing Workforce Development Needs for Regional Transportation Planning Agencies in California
Wednesday, March 27, 2019 12:00 pm - 1:30 pm Pacific
USC - RGL 101**

The transportation industry faces future workforce challenges, including a lack of trained personnel in fields such as engineering, construction management, and intelligent transportation systems. In California, the workforce capacity of Metropolitan Planning Organizations (MPOs) in particular was challenged by the 2008 passage of Senate Bill (SB) 375 which created a demand for planners with new skill sets required to comply with the legislation's requirements. This presentation introduces findings from a research project seeking to understand how fundamental changes from SB 375 and other legislative mandates have impacted MPOs from a workforce standpoint, including changes to the recruitment process for new hires and what they mean for the curriculum content in college and university programs.

Distinguished Speaker:

Thomas O'Brien, Executive Director, Center for International Trade and Transportation, LBSU

To RSVP, email [Adybek Abdymalikov](mailto:Adybek.Abdykalikov@usc.edu) at abdykali@usc.edu.

More Info

**Pacific Southwest Region University Transportation Center:
Emerging Scholars Transportation Research Symposium
Friday, March 29, 2019 9 am - 6pm Pacific
USC - Doheny Memorial Library, Room 240**

We are thrilled to announce and invite you to our first Emerging Scholars Transportation Research Symposium. Check the schedule below and you will see a really interesting array of topics and presenters from across California. Please support our young researchers by attending. And, we are thrilled to be able to offer this day-long symposium to you FREE OF CHARGE! Be sure to RSVP so we know you are coming, and do invite your friends and colleagues to join us as well. We hope to see you there!

To RSVP, email [Victoria Deguzman](mailto:Victoria.Deguzman@usc.edu) at VictoriV@usc.edu.

More Info

**2019 Eberhardt Rehtin 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 [Adybek Abdymalikov](mailto:Adybek.Abdykalikov@usc.edu) at abdykali@usc.edu.

More Info

**METRANS 2019 Speaker Series:
Lunch with a Leader - Emerald Archer
Thursday, April 11, 2019 12 pm Pacific
USC - RGL 308**

Join us to hear personal testimonies and witness a compelling voice for education and action. Emerald Archer, PhD, was named Director of the Center for the Advancement of Women in early 2017. As Director, Dr. Archer is dedicated to gathering data across the University's departments, as well as through her own original research. In this role, Dr. Archer is a strong advocate for solutions to persistent gender inequities.

Distinguished Speaker:

Emerald Archer, PhD, Director of the Center for the Advancement of Women

To RSVP, email Anne Johnson at annemjoh@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

**TRB Webinar: Evaluation of Superheavy Load Movement on Flexible Pavements
Tuesday, April 23 2019 11:00 am - 12:30 pm Pacific**

This webinar will examine procedures for analyzing the impacts of superheavy load (SHL) movement on flexible pavements developed under a U.S. Federal Highway Administration-sponsored research project*. SHL hauling units are much larger and heavier than standard trucks and may involve gross vehicle weights in excess of a few million pounds, which at times requires specialized trailers and components with nonstandard spacing between the tires and axles.

The presenters will discuss analysis methods -- such as subgrade bearing failure analysis, sloped pavement shoulder failure analysis, buried utility risk analysis, localized shear failure analysis, deflection-based service limit analysis, and cost allocation analysis -- to determine whether a pavement is structurally adequate to sustain SHL movement. They also will describe the SuperPACK tool developed to conduct this analysis.

Distinguished Speakers:

Elie Hajj, University of Nevada, Reno
Raj Siddharthan, University of Nevada, Reno
Hadi Nabizadeh, University of Nevada, Reno
Seyed-Farzan Kazemi, University of Nevada, Reno

For registration questions, contact Reggie Gillum at RGillum@nas.edu.

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

**Antwerp Summer University 2019:
Antwerp Summer School on Urban Logistics
September 19-23, 2019
University of Antwerp, Belgium**

Summer school on planning and managing the urban transport in urban areas under a dynamic context as today logistics: key for city sustainable development. An intensive immersion into the world of urban logistics, based on an introductory module covering all aspects of urban logistics (week 1) and an optional assignment preparation week (week 2) focusing on innovation and sustainability in the Industry in all its facets.

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

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

Civil Engineer
El Segundo, California



[More Info](#)

Job Title	Agency/Firm	Deadline
Transportation Demand Management Internship	Westside Transportaion Alliance	04/01/2019
	Beaverton, OR	
Assistant in Civil Engineering (# 1903-4104)	County of El Dorado	04/02/2019
	Placerville, CA	
Transportation Engineer (Civil) (# JC-149789)	Caltrans	04/05/2019
	Sacramento, CA	
Associate Transportation Planner (# JC-150133)	Caltrans	04/10/2019
	Oakland, CA	
Chief Public Works Engineer - Solid Waste Management	San Bernardino County	04/12/2019
	San Bernardino, CA	
Assistant Planner/Associate Planner (# 177/141E 434 032019)	City of Redding	04/18/2019
	Redding, CA	

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

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

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