



METRANS on the Move: **our weekly newsletter written and produced by students**



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.



Former METRANS student worker Jiangbo Yu reflects on collaborative side of the transportation engineering industry

Jiangbo "Gabe" Yu, a former graduate student in the USC Viterbi School of Engineering and student researcher at METRANS, has achieved many more academic and professional accomplishments since his time as a Trojan.

Read more [here](#).



Charlotte mobility plan aims to slash car use, transform access to lower-emission options

North Carolina's largest city is seeking to become a model for technological innovation in transportation. That effort follows a 2014 study out of Harvard and the University of California, Berkeley that ranked Charlotte last out of the nation's 50 largest commuting zones for intergenerational, or economically upward, mobility.

Read the SMARTCITIESDIVE feature [here](#).



Freight Market Volatility Highlights Importance of Broker-Carrier Relationships

The freight market volatility of the past few years has created an even greater need for carriers and brokers to strengthen their business relationships, especially as uncertainty and supply chain disruptions persist. Trusted partnerships between carriers and brokers are particularly important when capacity is tight or shippers need flexibility due to planned or unplanned surges or disruptions.

Read the Transport Topics feature [here](#).



One of Europe's Smallest Nations Tries a Big Idea: Free Public Transit

Sometimes, the Grand Duchy of Luxembourg looks so tidy and bucolic that walking down the street feels like strolling through an architect's rendering.

Read the Bloomberg CityLab feature [here](#).

Webinars & Online Events

Webinar: The Fast Lane to An EV Future

Thursday, July 14th at 11:00 am PDT/2:00 pm EDT, hosted by Eno Center for Transportation

Electric vehicles play an important role in decreasing carbon emissions and advancing environmental goals. The Investment in Infrastructure and Jobs Act (IIJA) specifically provides \$7.5 billion to build a national network of electric vehicle charging stations. To achieve this national network, coordination between state and local governments, the transportation industry, and energy sectors will be key. This webinar will address IIJA funding for EV charging infrastructure and how policymakers can utilize IIJA funds to accelerate the electric future.

[More Info](#)

Current Electric Vehicle Conference

Saturday, July 16th at 8:30 am PDT (in-person), hosted by Current

“Current” will once again bring together leading voices from car manufacturers, technology companies and regulatory agencies for panel discussions, fireside chats, and ride and drives on one of the biggest technological, economic and social changes facing the US and the world in the coming years. The conference will be held at the Petersen Automotive Museum in Los Angeles on July 16, 2022.

[More Info](#)

Webinar: Strings Attached—Permissible Uses of Airport Property and Revenue

Tuesday, July 26th at 10:30 am PDT/1:30 pm EDT, hosted by TRB

Understanding the permissible use of airport revenue is one of the most common legal issues faced by airport management. This is especially true for use of revenue related to real estate development of airport property. TRB will host a webinar on Tuesday, July 26, 2022 from 1:30 – 3:00 PM Eastern that will

explore the legal principles governing the generation and use of revenue from real estate development on the airport, and the approvals required for such development. Presenters will also examine the nexus between property use and regulations. Presenters will provide a map for airport management to aid in decision-making when considering the use of airport property for non-aeronautical and revenue generation purposes.

[More Info](#)

Webinar: Integrating Performance, Asset, and Risk Management is Value-Add

Tuesday, August 23rd at 10:30 am PDT/1:30 pm EDT, hosted by TRB

Research and practice in the areas of transportation performance, risk, and asset management have added to transportation planning tools, methods, and strategies. Integrating these changes into historically-siloed management practices requires the earnest focus of an entire organization, including participation of practically every individual. TRB will host a webinar on Tuesday, August 23, 2022 from 1:30 – 3:00 p.m. Eastern that will offer suggestions on building a roadmap for integrated management within their agency. The tactical and strategic roadmap includes steps for organizational structure, change management and communication to enterprise systems, qualitative/quantitative analysis, build resiliency, and data governance.

[More Info](#)

TRB Webinar: Considering Quality of Life in Transportation Planning and Development

Thursday, August 25th at 9:30a m PDT/12:30 pm EDT, hosted by TRB

There is a direct relationship between transportation investments and community resilience, equity, and sustainability. TRB will host a webinar on Thursday, August 25, 2022 from 12:30 – 2:00 p.m. Eastern that will explore how transportation agencies and state departments of transportation (DOTs) have ensured that quality-of-life considerations are comprehensively incorporated into community planning and project development processes through guidebooks, procedures, best practice research, and training. Presenters will also highlight experiences with developing and refining resources designed to incorporate community resources and impacts into transportation decision-making and project planning processes.

[More Info](#)

2022 People of Action Summit on Green Transportation and Clean Energy

Saturday, September 10th at 8:00 am PDT (hybrid), hosted by MTI

Join Rotarians, community members, and industry experts in-person in San Jose, California – or online – on September 10, 2022 for new insights on green transportation and clean energy.

Participate in presentations, discussions and demonstrations regarding present and future green transportation and alternate fuel solutions to create healthier, more sustainable communities, and mitigate the climate crisis from the perspective of policy, technology, practice, and equity. You'll be inspired to take action to amplify Rotary's support for our environment!

[More Info](#)

Transport and the Triple Bottom Line Summit 2022: Transit Lessons Learned from the Pandemic

Friday, September 23rd at 10:00 am PDT (online), hosted by MTI

The Transport and the Triple Bottom Line Summit seeks to explore the concept of 'sustainable transport,' leaving attendees with a fuller understanding, and most importantly, a definition for the term. Panelists and speakers include an array of national experts, practitioners, and scholars on social equity and transport,

the environmental impact of transport, financial mechanisms for secure and continuous operations, as well as, decision-makers currently involved in California's notable public-private partnerships.

[More Info](#)

Fast Facts

Created for Students, by Students

Get More Out of Variable Speed Limit Control: An Integrated Approach to Manage Traffic Corridors with Multiple Bottlenecks

Author: Michael Zhang, Shenyang Cheng, Hang Gao
University of California

Year: 2020

Keywords: Integrating Freight and Passenger Systems, Vehicles, Infrastructure



Check this week's featured Fast Facts [here](#).

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Transportation Planner
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