



Office of the Assistant Secretary for Research and Technology

June 2024

Research Roundup

ARPA-E ENERGY INNOVATION SUMMIT

DAS Hampshire joined ARPA-E and Volpe staff at the [ARPA-E Energy Innovation Summit in Dallas, Texas](#). This prestigious event gathered nearly 3,000 experts from government, academia, and industry to collaborate and drive the advancement of groundbreaking energy technologies into the market.



U.S. GLOBAL CHANGE RESEARCH MEETING @USDOT

On May 30th, DAS Hampshire and the Director of the OST-R Climate Change Research and Technology Program Goldman spoke at the U.S. Global Change Research Program Annual Meeting, [hosted at USDOT Headquarters](#). [The U.S. Global Change Research Program](#) is a 14-agency body that oversees climate research activities across the Federal Government, under the White House Office of Science and Technology Policy.

Hosting the Global Change Research Meeting at [USDOT Headquarters](#) was crucial as it highlighted the critical role of transportation systems in addressing climate change, from developing and deploying low-carbon materials to reducing greenhouse gas emissions, and improving local community health.



INTERNATIONAL TRANSPORT FORUM

BTS Director Hu took the stage at the [International Transport Forum \(ITF\) Focus Session in Leipzig, Germany](#), emphasizing the importance of utilizing transport statistics and data science to shape effective transport policies. Meanwhile, Director Cain from DOT engaged in pivotal discussions with ITF and member states, influencing the formation of working groups and roundtables outlined in the ITF 2024-2025 Program of Work.



MORPC RECAP

On May 16, DAS Hampshire electrified the Mid-Ohio Regional Planning Committee (MORPC) with insights into the federal government's drive for transportation innovation. He spotlighted the [SMART Grants Program](#), a catalyst for transformative projects tackling complex transportation challenges and fostering sustainable growth. **With that, the application window for the FY24 Stage 1 NOFO is now open!** Submit your applications by July 12 at 5 PM. Don't miss this opportunity; read the [full NOFO](#) and learn more from the [Press Release](#).



Questions, comments or ideas for future issues? Send us an email: USDOTresearch.info@dot.gov

GEOSPATIAL WORLD FORUM

From May 13-26, BTS's Derald Dudley served as an invited representative as part of the U.S. Delegation to the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), in Rotterdam, The Netherlands.



TRANSFORMING AI SUMMIT EVENT

On May 23, the Transforming AI Summit took center stage at the **Volpe Center in Cambridge, MA**, drawing in 200 students from local public high schools. Secretary of Executive Office Technology Services and Security, the Commonwealth's Chief Information Officer Jason Snyder kicked off the event, setting the tone for a day of insightful discussions on the transformative power of AI.



NOTEWORTHY

HASS COE and ARPA-E hosted a Quantum Technologies 101 Webinar. The webinar provided an overview of the potential new quantum technologies and how they can revolutionize the transportation industry. Leading quantum experts Dr. William Oliver and Dr. Paola Cappellaro from MIT shared presentations during the webinar. Discussions helped inform a new roadmap for future research collaboration.

ICYMI: Subscribe today to the ITS JPO Director's Blog. This is a great way to stay up-to-date on all the latest happenings at the ITS JPO. **Read the latest post!**

Exciting news from SBIR awardees! CLR Analytics' vehicle signature tech, backed by SBIR, enhances road safety in New Hampshire's SMART grant project. **And with AIWaysion, another SBIR recipient, teaming up with Yakama Nation,** lives are being saved through innovative solutions in a national SMART grant initiative. Both are awardees and partners for SMART Grants. **Discover more success stories in our SBIR collection.**

USDOT Headquarters will host The Transportation Climate Solutions Symposium on July 11-12, 2024. Symposium will be headlined by Secretary Buttigieg, Deputy Secretary Polly Trottenberg, and White House officials.

Learn about the ways the USDOT Volpe Center is advancing innovation and resilience across America's transportation enterprise, including our latest news resources, and job openings—and a glimpse into life as a Pathways intern. For more information visit **here.**

DOT T2 PLAN: FY22/23

The freshly released **FY22/23 Annual Technology Transfer (T2) Report** encapsulates the strides made in **technology transfer activities across operating administrations during the fiscal years 2022 and 2023.** Within USDOT, the significance of T2 is underscored in USDOT Research, Development, and Technology Strategic Plan FY 2022-2026, which aims to expedite the adoption and commercialization of transportation technologies ready for the market. The report showcases success from all modal administrations, illustrating impactful deployments that benefit the public. **Explore past T2 Reports for more insights.**

UTC CORNER

BIG NEWS!

USDOT's Prairie View A&M University in Texas was cited in a recent White House Fact Sheet: **Biden-Harris Administration Announces Record Over \$16 Billion in Support for Historically Black Colleges and Universities (HBCUs) | The White House.**

Prairie View A&M and 11 other HBCUs were among 34 schools to receive a portion of a \$435 million grant for development of the interoperable technology systems, which allow equipment, software, and applications to work together, communicate, and exchange data.

The UTC program has a **full library of past webinars available from our university partners on YouTube.**

Upcoming webinar topics include:

- **Tools & Resources for Gateway Communities (June 12)**
- **Evaluation of Pedestrian Crossing Safety on Right Turns of the Urban Unsignalized Intersections Using Virtual Reality (June 13)**
- **Deflection Angle Effect on Continuous Drive Performance Along Horizontal Curves (June 20)**
- **Evolution of User Trust in Autonomous Vehicles and Characteristics of Disengagements (June 25)**
- **Can Augmented Reality Help Pedestrians Safely Cross Multiple Lanes of Traffic? (June 27)**



UPCOMING

Explore upcoming webinars, conferences and opportunities from OST-R program offices.

ASHE 2024 National Conference. The ITS JPO ITS4US team will present at the American Society of Highway Engineers (ASHE) 2024 National Conference in Raleigh, NC. **June 8.**

CTAA Expo. The ITS JPO ITS4US team will host a session at the 2024 Community Transportation Association of America (CTAA) Expo in Palm Beach, FL. **June 9-12.**

DAS Hampshire will bring opening remarks at the EU-US Transportation Research Symposium, held in partnership with the TRB, in Washington, DC. **June 11-12.**

USDOT: In-Person and Virtual Public Engagement Events. The in-person **Atlanta, GA and Chicago, IL** engagements will be held on **June 12 and July 30**, respectively. **Stay tuned for the date for the Summer 2024 Virtual Workshop.**

Baška Spatial Information Forum. Director for PNT & Spectrum Management Van Dyke will provide a keynote address at the Baška SIF in Baška, Krk Island, Croatia. **June 16-18.**

Artificial Intelligence (AI) - Enabled ITS Webinar, presented by the USDOT's Intelligence Transportation Systems Joint Program Office. **June 27.**

RFI: Opportunities and Challenges of AI in Transportation Advanced Projects. ARPA-I is seeking input on potential applications of AI in transportation Closes **July 2.** **Read more from the Press Release.**

Inaugural USDOT Future of Transportation Summit. Join us at the DOT Headquarters in Washington, DC from **August 13-15** for the first ever USDOT Future of Transportation Summit.

IN THE MEDIA

US DOT to Provide \$500M for Smart Transportation Projects (Smart Cities World)

Going to the Hollywood Bowl this Summer Just Got Easier with LA Metro Behind the Wheel (LA Metro) Proposed

\$900K Pilot Program Could Make Dangerous Charleston Corridor Safer (WCSC-TV5)

New Technology to be Tested at Major University Aimed to Keep Pedestrians Safe (FOX San Antonio)

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