INNOVATIONS IN TRANSPORTATION AND TECHNOLOGY:
County Leadership Peer Exchange

MAY 4–5, 2017
ALLEGHENY COUNTY
PITTSBURGH, Pa.

NATIONAL ASSOCIATION of COUNTIES NACo

WELCOME!

Welcome to the *Innovations in Transportation and Technology: County Leadership Peer Exchange*! The National Association of Counties is hosting this event with support from the Federal Highway Administration to explore innovations and technology in county and regional transportation planning. Thank you for taking the time to join us in Pittsburgh, Allegheny County, Pa.

We are excited for two days of compelling presentations and lively discussions on national trends and local solutions in innovations and technology in transportation planning. We are looking forward to hearing about the creative approaches being implemented here in Pennsylvania and across the country to foster economic growth and improve local transportation systems. We are also excited for our expert speakers to share examples and best practices that demonstrate how counties and states across the country are integrating new technology advancements into transportation systems to improve how people and goods get around. Additionally, NACO is pleased to be working with Carnegie Mellon University's Traffic21 Institute, to learn about their current transportation research and view a few of their world-class autonomous vehicles.

Please join us in providing social media updates during the peer exchange! Follow along on Twitter with @NACoTweets.

Again, thank you for taking the time to travel to Allegheny County. We hope this event is beneficial to you and your community. Please be sure to complete the evaluation forms to help us improve our offerings, and please do not hesitate to share your feedback with NACo staff here at the event or after you return home.

MEETING LOCATION

The event is based at the Omni William Penn in downtown Pittsburgh and we will be traveling to the Carnegie Mellon University's Traffic21 Institute on Thursday. NACo is providing bus transportation to and from Carnegie Mellon University's Traffic21 Institute.

The Pittsburgh International Airport is about 30 minutes from the Omni; transportation options are listed here: http://www.flypittsburgh.com/parking-transport.

Omni William Penn Hotel
Monongahela Room
530 William Penn Place
Pittsburgh, PA 15219

ATTIRE

The attire for the workshop is business casual.

NACo STAFF CONTACTS

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AGENDA

Thursday, May 4

7:30AM – 8:30AM   **Registration and Welcome Breakfast**
Monongahela Room
Omni William Penn Hotel
530 William Penn Place, Pittsburgh, PA 15219

8:30AM – 8:45AM   **Opening Remarks and Introductions**
- Hon. Riki Hokama, NACo Immediate Past President & Council Member, Maui County, Hawaii
- Hon. Rich Fitzgerald, County Executive, Allegheny County, Penn.
- Craig Davis, President and CEO, VisitPITTSBURGH

8:45AM – 9:45AM   **History of Connected and Autonomous Vehicles**
This discussion will review the history of connected and autonomous vehicles from their earliest iterations onward. Speakers will highlight the key differences between the two and provide an overview of the future of these technologies, including when they might become widely deployed.
- Stan Caldwell, Executive Director, Carnegie Mellon Traffic 21 Institute
- Egan Smith, Managing Director, FHWA ITS JPO

9:45AM – 10:45AM   **Working with Your State on Transportation Technology Laws and Regulations**
This presentation will provide an overview of what states across the nation are doing to prepare for and encourage testing of connected and autonomous vehicles within their borders. It will feature the current and upcoming work of the Pennsylvania Department of Transportation, including the Pennsylvania National Proving Ground and the Pennsylvania Autonomous Vehicle Policy Task Force.
- Ben Husch, Senior Committee Director, Natural Resources and Infrastructure Committee, National Conference of State Legislators
- Roger Cohen, Policy Director, PennDOT

10:45AM – 11:00AM   **Networking Break**

11:00AM – 11:30AM   **Transportation Technology Research and Development at the Regional Level**
This presentation will provide an in-depth look at Virginia Tech Transportation Institute's (VTTI) ongoing research. It will include a discussion on VTTI's Eco-Transportation and Alternative Technologies research on Buried Cable Roadside Animal Detection Systems – which inform approaching vehicles of nearby hazards, VTTI's I-81 Corridor Coalition's platooning research, and the Virginia Smart Road – a unique, state-of-the-art, full-scale, closed test-bed research facility.
- Andy Alden, Group Leader, Virginia Tech Transportation Institute and Executive Director, Interstate 81 Corridor Coalition

11:30AM – 12:00PM **Transportation Technology Deployment at the County Level**
Oakland County, Mich., is using connected vehicle technology to transform its transportation landscape. This presentation will provide an overview of the county's planning process and business model, which involve robust collaboration with automotive and technology firms and a business first approach focused on developing a sustainable revenue stream.
- Matthew Gibb, Deputy County Executive, Oakland County, Mi.

12:00PM – 1:00PM **Luncheon Keynote: Pittsburgh Smart City Plans and Deployments**
Pittsburgh embodies the belief that effective, efficient and equitable transportation and transit are inextricably linked to the health of a region's economy. Pittsburgh Mayor Bill Peduto will discuss the work the city is doing to link itself together, using sensors and wireless and fiber optic networks to increase mobility and reduce gridlock, pollution and idling traffic.
- Hon. Bill Peduto, Mayor, Pittsburgh, Pa.

1:00PM - 1:15PM **Break and Depart for Carnegie Mellon University's Traffic21 Institute**

1:15PM – 2:00PM **Mobile Tour: Traffic21's Surtrac Adaptive Traffic Signals in Pittsburgh**
On the bus ride to CMU' Traffic21 Labs, participants will get to experience Pittsburgh's Surtrac Adaptive Traffic Signal technology first hand. This sensor technology is installed at intersections across town to communicate with vehicles and allow traffic lights to adjust their stop-and-go times based on traffic.
- Steve Smith, Research Professor, CMU - Robotics Institute

2:00PM – 3:00PM **Guided Tour: Traffic21's Nav Lab**
Participants will visit the Traffic21 Nav Lab at CMU to: witness a demonstration of 3-D crash investigation video analytics technology; see one or two autonomous vehicles; and hear about the latest connected and automated vehicle research.
- Christoph Mertz, Principal Project Scientist, CMU - Robotics Institute

3:00PM – 3:45PM **Break and Return to Hotel**

6:30PM – 8:30PM **Dinner**
Allegheny Room
Omni William Penn
530 William Penn Place, Pittsburgh, PA 15219

Friday, May 5

7:30AM – 8:30AM   **Networking Breakfast**

8:30AM – 9:30AM   **National Priorities and the County Connection**
Counties are crucial partners in ensuring traffic safety and mobility in coordination with local, regional, and national priorities and goals. This conversation will highlight the priorities of the U.S. Congress, U.S. Department of Energy, and U.S. Department of Transportation's initiatives and grant programs which seek to identify and rapidly deploy innovations to shorten the project delivery process, enhance roadway safety, reduce congestion and improve environmental sustainability, locally and regionally.
- Kevan Stone, Associate Legislative Director for Transportation, NACo
- Cheng Yan, Transportation Specialist, FHWA
- Sarah Olexsak, Energy Efficient Mobility Systems Deployment Manager, Department of Energy

9:30AM – 10:30AM   **Cost Saving Transportation Technologies**
This interactive discussion will present available technologies that counties can utilize to improve efficiencies and garner cost savings in their counties. Panelists will focus on smartphone and cloud-based solutions for inventorying, monitoring, assessing, analyzing and mapping county roads and transportation priorities.
- Richard Leadbeater, State and Local Government Industry Manager, ESRI
- Courtney Ehrlichman, Co-Founder & Chief Commercial Officer, Roadbotics

10:30AM – 10:45AM   **Networking Break**

10:45AM – 12:00PM   **Partnering with Transportation Network Companies**
Counties across the country are partnering with transportation network companies to take advantage of the booming shared economy. This discussion will include insights, challenges and solutions aimed at improving first mile-last mile connectivity, transportation for the elderly and the prevention of drunk driving.
- Lindsay Elin, Federal and Community Affairs, Uber
- Brad Miller, Chief Executive Officer, Pinellas Suncoast Transit Authority
- Kenn Vanhoose, Office of Aging Division Manager, Fulton County, Ga.
- Andre Gregory, Office of Aging Program Manager, Fulton County, Ga.

12:00PM – 12:45PM   **Break for Lunch & Luncheon Keynote**
Our keynote speaker will further delve into how counties and communities are preparing for these disruptive technologies, including strategies for engaging the automotive and technology industry leaders as well as the federal government.
- Chan Lieu, Senior Legislative Advisor, Self Driving Coalition for Safer Streets

12:45PM - 1:45PM   **Safety Benefits and Legal Implications of Connected and Autonomous Vehicles**
This panel will delve into the safety benefits of connected and autonomous vehicles as well as the potential legal implications for manufacturers, drivers and road owners. Panelists will discuss the varying safety benefits that are estimated to occur at each level of human interaction with the vehicles, and potential ramifications and liability issues if a vehicle does get into an accident.
- Jamie Boone, Senior Director of Government Affairs, Consumer Technology Association
- Steve Martinko, Government Affairs Counselor, K&L Gates
- Peter V. Nelson, Associate, K&L Gates

1:45PM - 2:20PM   **Facilitated Discussion**
An open, peer-to-peer discussion from attendees on thoughts, takeaways and questions from previous sessions and relationship to attendees' home counties.

2:20PM - 2:30PM   **Final Thoughts and Adjourn**
- Matt Chase, Executive Director, National Association of Counties
- Hon. Rich Fitzgerald, County Executive, Allegheny County, Penn.

ABOUT NACo

The National Association of Counties (www.naco.org) unites America's 3,069 county governments. Founded in 1935, NACo brings county officials together to advocate with a collective voice on national policy, exchange ideas and build new leadership skills, pursue transformational county solutions, enrich the public's understanding of county government and exercise exemplary leadership in public service.

UPCOMING NACo EVENTS

2017 NACo Western Interstate Regional Conference
Deschutes County, Sunriver, Ore.
May 24-26, 2017
Register here: http://www.naco.org/wir

2017 NACo Annual Conference
Franklin County, Columbus, Ohio
July 21-24, 2017
Register here: http://www.naco.org/annual

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