



INNOVATIONS IN TRANSPORTATION AND TECHNOLOGY:

COUNTY LEADERSHIP PEER EXCHANGE

MAY 12-13, 2016

IOWA CITY

JOHNSON COUNTY, IOWA





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 here in Iowa City, Johnson County, Iowa.

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 creative approaches here in Iowa to foster economic growth and improve local transportation systems, and learning about how counties and states across the country are integrating new technology advancements into transportation to improve how people and goods get around. Additionally, we are pleased to be working with the National Advanced Driving Simulator, housed at the University of Iowa's Oakdale Research Park, to learn about current transportation safety and human behavior research and tour their suite of world-class driving simulators and instrumented 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 Johnson 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.

AGENDA.

Thursday, May 12

8:30 – 9:00 a.m.

Registration and Networking

Hotel Vetro, Plaza Room 1

201 South Linn St, Iowa City, Iowa

Join us to register, receive your materials and enjoy a continental breakfast.

9:00 – 9:15 a.m.

Welcome and Introductions

- Hon. Bryan Desloge, NACo 1st Vice President and Commissioner, Leon County, Fla.
- Hon. Mike Carberry, Supervisor, Johnson County, Iowa

9:15 – 10:30 a.m.

National Trends, Local Solutions

This panel discussion will highlight national trends in innovations and technology in transportation planning, including the newest tech tools changing the transportation landscape; current real-world examples and the outlook for future potential; and how counties can leverage research breakthroughs to improve both goods and passenger movement.

- Matt Smith, ITS Program Administrator, Michigan Department of Transportation
- Ann Ogoreuc, Manager of Transportation Initiatives, Department of Economic Development, Allegheny County, Pa.
- Hon. Steve Brown, Commissioner, Fayette County, Ga.
- Moderator: Hon. Bryan Desloge, NACo 1st Vice President and Commissioner, Leon County, Fla

10:30 – 10:45 a.m.

Networking Break

10:45 a.m. – 12:00 p.m.

Innovations in Iowa

This panel discussion will focus on exciting opportunities at the county and state level in Iowa to foster innovation and economic growth within the transportation field, including how counties are addressing bridge replacements, multimodal facility design, transit integration, bicycle and pedestrian connectivity and a variety of other innovation-led ideas.

- Nicole Fox, Secondary Roads Engineer, Iowa Department of Transportation
- Brian Keierleber, County Engineer, Buchanan County, Iowa
- Steve DeVries, Executive Director, Iowa County Engineers Association Service Bureau
- Moderator: Bill Peterson, Executive Director, Iowa State Association of Counties

12:00 – 12:30 p.m.

Break and Depart for National Advanced Driving Simulator

Participants will board a bus for a short drive to the National Advanced Driving Simulator for lunch, tour and presentations.

12:30 – 1:30 p.m.

Luncheon Presentation: Researching the Connections between Humans and Vehicles

The National Advanced Driving Simulator, based at the University of Iowa Research Park, utilizes its suite of world-class driving simulators and instrumented vehicles to conduct research studies for the private and public sectors. Dedicated to academic advancement, technological innovation and the transfer of research results to industrial and governmental communities, NADS has developed a complex operation to test a variety of scenarios, understand human behavior, and develop new technology solutions, including research into connected vehicle technology. This luncheon presentation will give participants an overview of NADS' operations.

- Herm Reininga, Interim Director, National Advanced Driving Simulator, Johnson County, Iowa
- Dawn Marshall, Staff Research Assistant, Cognitive Systems Engineering, National Advanced Driving Simulator, Johnson County, Iowa

1:30 – 2:30 p.m.**National Advanced Driving Simulator Tour**

Following lunch, participants will tour the NADS facility. On the tour, they will be able to see the simulators in action, learn about the latest research breakthroughs and, time allowing, have the opportunity to test out the mini-simulator themselves.

2:30 – 4:00 p.m.**A Look into Current Driver Behavior Research**

Ninety percent of crashes on the road today are due to human error. Intent on solving this very human problem, NADS' research is focused on intersection of the driver, vehicle and road. Using sensor data, researchers evaluate and identify driver behavior and performance in a variety of simulated situations. The hope is that by examining how a driver processes information and testing a variety of circumstances, NADS' research findings can help to decrease future human errors in driving.

- Dr. Tim Brown, Senior Team Leader, Cognitive Systems Engineering, Senior Researcher, National Advanced Driving Simulator, Johnson County, Iowa
- Dr. John Gaspar, PE, Research Associate, National Advanced Driving Simulator, Johnson County, Iowa
- Dr. Chris Schwarz, Team Leader, Simulation Software, Senior Research Engineer, National Advanced Driving Simulator, Johnson County, Iowa

4:00 p.m.**Break and Return to Hotel Vetro**

Following the afternoon at NADS, the bus will return participants to the host hotel for a break before the evening reception.

5:30 – 6:30 p.m.**Networking Reception**

*Hotel Vetro, Plaza Room 3
201 South Linn St, Iowa City, Iowa*

Join us for a light networking reception. *Please note dinner is on your own.*

Friday, May 13

8:15 – 8:45 a.m.

Networking Breakfast

Hotel Vetro, Plaza Room 1

201 South Linn St, Iowa City, Iowa

Join us for a networking breakfast before starting the day. All of the following sessions on Friday will be in this location.

8:45 – 9:00 a.m.

Local Policy and Partnerships: Johnson County's Approach

How can counties position themselves to be ready for and benefit from the upcoming autonomous vehicle revolution? In 2014, Johnson County, Iowa, passed a resolution in favor of autonomous vehicles. Johnson County Supervisor Janelle Rettig will discuss the origination of the idea for the resolution, the development of the resolution itself and the resolution's anticipated benefits.

- Hon. Janelle Rettig, Supervisor, Johnson County, Iowa

9:00 – 10:15 a.m.

An Iowa World View of Transportation: Integrating Economic Development and Transportation Planning with Advanced Analytics

What are the opportunities for better aligning transportation plans with economic development strategies? How can counties and state agencies partner to propel economic growth? What are the opportunities for using big data to better understand and plan for business needs when making public transportation investments? Paul Trombino, Director of the Iowa Department of Transportation, will present how Iowa DOT is taking a world view of transportation and integrating operations with Iowa Economic Development Authority to promote a seamless intermodal system and bolster the state's competitive edge.

- Paul Trombino, Director, Iowa Department of Transportation
- Moderator: Linda Langston, Director of Strategic Relations, NACo, Washington, D.C.

10:15 – 10:30 a.m.

Networking Break

10:30 a.m. – 12:00 p.m.**Redefining Mobility: Integrating Technology into Transportation System Design**

How are emerging technologies revolutionizing mobility and passenger travel? This discussion will explore how connected and autonomous vehicle technology, big data, cloud computing and other innovations will transform the transportation landscape, and how collaboratives of public-private partners are researching and testing potential new solutions.

- Randy Iwasaki, Executive Director, Contra Costa Transportation Authority, Calif.
- Jennifer Toth, PE, Director and County Engineer, Maricopa County Department of Transportation, Ariz.
- Daniel Hoffman, Chief Innovation Officer, Montgomery County, Md.
- Moderator: Dan Fedderly, Executive Director, Wisconsin County Highway Association

12:00 p.m. - 1:00 p.m.**Luncheon Discussion: Federal Highway Administration Outlook**

The conversation will highlight the priorities of the U.S. DOT's Every Day Counts initiative to identify and rapidly deploy innovations to shorten the project delivery process, enhance roadway safety, reduce congestion and improve environmental sustainability, and discuss local and regional models for accelerating innovation.

- Spencer Stevens, Transportation Planner, U.S. DOT Federal Highway Administration, Office of Planning, Washington, D.C.
- Moderator: Kathy Nothstine, Program Director, NACo, Washington, D.C.

1:00 - 1:30 p.m**Final Thoughts and Adjourn**

- Hon. Bryan Desloge, NACo 1st Vice President and Commissioner, Leon County, Fla.



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.

2016 NACo Western Interstate Regional Conference

Teton County, Jackson Hole, Wyo.

May 25-27, 2016

Register here: <http://naco.org/wir>

2016 NACo Annual Conference

Los Angeles County, Long Beach, Calif.

July 22-25, 2016

Register here: <http://naco.org/annual>

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