On December 6 during the CSG 2018 National Conference in Northern Kentucky-Greater Cincinnati, CSG convened a policy academy on The Intersection of Innovation and Infrastructure. This page includes meeting resources including the policy academy agenda, speaker bios, information about program sponsors and PowerPoint presentations from several of the day's speakers.

Innovations in technology are changing the way we travel, but are also presenting state leaders with an ever-expanding list of policy challenges. Autonomous vehicle and truck platoon testing, increasing sales of electric and alternative fuel vehicles, and the exponential growth of ride-hailing companies have significant policy implications in areas such as workforce development, data management, privacy, insurance, traffic safety, urban planning, transportation funding and environmental protection. State officials are also working with partners to build fiber and broadband networks to enable innovations like connected automation, all-electronic tolling, and smart city and intelligent transportation system technologies. This day-long policy academy highlighted many of these transportation and infrastructure innovations and what they mean for policymakers.

Click here [2] for a pdf of the policy academy agenda
Click here [3] for a pdf of the speaker bios
Click here [4] for the sponsor recognition form
Click here [5] for an extended summary of the policy academy and links to further reading

**Policy Academy Agenda**

**Thursday, Dec. 6**

8-8:15 a.m.  **Introductions:** CSG Staff

8:15-8:45 a.m.  **Infrastructure Innovations Overview and Release of CSG Electric Vehicles Report:** CSG Staff

8:45-9:45 a.m.  **Panel 1: Autonomous & Connected Vehicles and Truck Platooning**

This panel considered the societal, environmental, economic and infrastructural policy implications of autonomous and connected vehicles and truck platooning. Included: impacts in areas like traffic safety, jobs and the workforce, urban mobility, transportation revenues and insurance. What does the automotive industry have planned? How does the latest version of federal AV policy address the role of state governments?

**Panelists:**
• Craig Orlan, Honda North America, Senior State Relations Specialist
• Brian Barnard, National Highway Traffic Safety Administration, Director of Governmental Affairs, Policy & Strategic Planning
• Ross Froat, American Trucking Associations, Director of Engineering and Information Technology Policy
• Steve Boyd, Peloton Technology, Founder & VP of External Affairs

9:45-10 a.m. Break

10-11 a.m. Panel 2: State Strategies for Advancing the Electric Vehicle Marketplace

This panel examined the policy impacts of electric and alternative fuel vehicles and how policymakers can help shape the marketplace in the years ahead. Included: auto industry plans, consumer awareness and incentives, partnering with utility companies, infrastructure investment and development, transportation revenues, procurement policies and transitioning fleets.

Panelists:
• Basim Motiwala, Honda North America, Government Relations Specialist
• Erik Kirkhorn, Toyota, State Government Affairs Director SLIDES HERE [6]
• Allison Carr, NC Clean Energy Technology Center, Clean Transportation Specialist SLIDES HERE [7]

11 a.m.-Noon Panel 3: Ride-hailing & Mobility Innovations

This panel focused on how companies like Uber and Lyft are impacting urban mobility and issues policymakers need to be aware of as the popularity of ride-hailing continues to grow. Included: public transit partnerships, impacts on the taxi industry, data access, mobility as a service, and progress towards the convergence of the “three revolutions” of electrification, automation and shared-use mobility.

Panelists:
• Ellen Partridge, Shared-Use Mobility Center, Policy & Strategy Director SLIDES HERE [8]
• Mark McEwan, Southwest Ohio Regional Transit Authority, Manager of Service Analysis SLIDES HERE [9]
• Matthew Daus, City University of New York Transportation Research Center, Transportation Technology Chair

Noon-1:30 p.m. Luncheon Keynote

A Smart City Story: Columbus

Speaker: Michael Stevens, Chief Innovation Officer, Columbus, Ohio SLIDES HERE [10]

Stevens is Columbus’ first chief innovation officer and leads the city’s multi-million-dollar smart city initiative.

1:30-2:30 p.m. Panel 4: Enabling the Technology Underpinning Infrastructure
Innovation

This panel examined how policymakers can enable the technologies underpinning various infrastructure innovations. Included: intelligent transportation system technologies, smart cities, connected vehicle technologies and broadband.

Panelists:

- Jim Barna, DriveOhio, Executive Director
- Michael Stevens, Chief Innovation Officer, Columbus, OH
- Blaine Leonard, Utah Department of Transportation, Technology & Innovation Engineer [SLIDES HERE]

2:30-3:30 p.m. Panel 5: Addressing Policy and Infrastructure Needs to Drive Innovation

Speakers talked about the policy implications and infrastructure needs presented by the innovations discussed throughout the day.

Panelists:

- Brian Pallasch, American Society of Civil Engineers, Managing Director of Government Relations and Infrastructure Initiatives
- Kim Menke, Toyota Motor Engineering and Manufacturing North America, Community & Government Relations Manager
- Matthew Daus, City University of New York Transportation Research Center, Transportation Technology Chair

Speaker Bios

Panel 1: Autonomous & Connected Vehicles and Truck Platooning

Panelists:

Craig Orlan, Honda North America, Senior State Relations Specialist

Bio: Orlan joined Honda’s government relations office in 2012 where he is tasked with working with senior management to develop and implement Honda’s legislative agenda in all 50 states and selected localities. His portfolio includes issues surrounding vehicle safety, vehicle automation, privacy and cybersecurity. Prior to joining Honda, Orlan spent four years at a leading legislative tracking and consulting firm where he supported the state and federal government affairs efforts of multiple corporate, association and nonprofit clients. Before entering the private sector, Orlan gained legislative experience serving as a legislative director in the Maryland House of Delegates for three sessions.

Brian Barnard, National Highway Traffic Safety Administration, Director of Governmental Affairs, Policy & Strategic Planning
Bio: Barnard arrives at NHTSA having spent the last seven years working on appropriations, budget, and transportation policy on Capitol Hill. In his most recent role as the legislative director for a member of Congress from West Virginia, he managed appropriations and transportation initiatives, including efforts to improve the infrastructure of rural communities. Prior to that position, Barnard served for four years with the House Appropriations Subcommittee on Transportation, Housing, and Urban Development. Prior to his years on Capitol Hill, Barnard worked in the business development division of a Fortune 500 corporation headquartered in California.

Ross Froat, American Trucking Associations, Director of Engineering and Information Technology Policy

Bio: Froat has over 11 years of field experience in service, management, and technology of a broad range of light-, medium-, and heavy-duty equipment. Additional areas of expertise include trucking advanced technology applications, prognostic conditioning, electric vehicle studies, and trucking technology engineering policy analyses. He is responsible for managing ATA policy on equipment, enforcement, information technology, and automated driving systems. Prior to his 2014 employment with ATA, Froat spent three years managing service of over 500 vehicles at a Baltimore, MD truck leasing and maintenance facility and eight years as a heavy-duty equipment technician.

Steve Boyd, Peloton Technology, Founder & Vice President of External Affairs

Bio: Boyd has built and managed organizations and initiatives in the private and public sectors for more than 20 years. He has served as an assistant press secretary in the White House, a producer at the PBS NewsHour, and in a range of roles in the technology sector, national political campaigns, and federal agencies. Boyd was a co-founder of the Clean Economy Network (now merged with the Advanced Energy Economy association) and is an active member of the Transportation Research Board, Society of Automotive Engineers, American Trucking Association, and the Commercial Vehicle Safety Alliance.

Panel 2: State Strategies for Advancing the Electric Vehicle Marketplace

Panelists:

Basim Motiwala, Honda North America, Legislative Analyst

Bio: Motiwala is responsible for working with company management and external stakeholders on the strategic development and implementation of Honda’s legislative agenda. He primarily focuses on the issue areas of energy and environment, alternative fuel vehicles and infrastructure, corporate tax, motorcycles and power sports. Prior to joining Honda in 2014, Motiwala was a legal fellow at Forbes-Tate Partners, a Washington, D.C., government relations firm, where he developed proposals for prospective clients and tracked legislative issues important to them.

Allison Carr, NC Clean Energy Technology Center, Clean Transportation Specialist

Bio: Carr supports the Clean Transportation program in implementing training events, conducting public outreach activities, and coordinating the annual Sustainable Fleet Technology Conference. Carr also contributes to transportation policy research for both external fleet or government partners and in-house publications, like the 50 States of Electric Vehicles reports. Previously, she worked as clean energy policy analyst for the British Consulate-General and as a senior air quality planner at the Houston-Galveston Area Council. In those roles, Carr coordinated efforts to promote
alternative fuel vehicle deployment across Houston and Texas.

**Erik Kirkhorn, Toyota Motor North America, Inc., Director of Government Affairs**

- Bio: Kirkhorn joined Toyota in 2008 and is responsible for managing public policy issues impacting the company, its team members and customers nationwide. He leads a cross-affiliate team of internal professionals and external counsel to ensure that Toyota’s views are expressed in capitol areas across the country. Before joining Toyota, Kirkhorn was director of government relations for Convergys Corporation, a worldwide IT services firm based in Cincinnati, Ohio.

**Panel 3: Ride-hailing & Mobility Innovations**

**Panelists:**

**Ellen Partridge, Shared-Use Mobility Center, Policy & Strategy Director**

- Bio: Partridge brings to SUMC the expertise and knowledge of nearly 20 years of work in public transit administration and operations at both the federal and transit agency levels. She was appointed chief counsel for the USDOT Research and Innovative Technology Administration and also served as Deputy Assistant Secretary for Research and Technology and Chief Counsel for the FTA. She is intimately familiar with the legal and regulatory landscape of public transit, including the nuances of public agency partnerships with private mobility providers. At the Chicago Transit Authority, she focused on policy initiatives - first as deputy general counsel for policy and appeals and then in the Strategic Operations unit that deployed new technology and trained supervisors on how to use it to improve bus service.

**Mark McEwan, Southwest Ohio Regional Transit Authority, Manager of Service Analysis**

- Bio: McEwan is responsible for overseeing the ever-growing volume of data as it relates to public transit, whether it be vehicle location, detailed ridership, on-time performance, or key performance indicators. He is also a part of several projects in various stages at SORTA. They include a Mobility as a Service (MaaS) implementation, better interoperability between regional transit providers, Cincinnati Mobility Lab (a partnership with Uber, OKI, the city of Cincinnati, TANK, and SORTA), and demand responsive microtransit.

**Matthew Daus, City University of New York Transportation Research Center, Transportation Technology Chair**

- Bio: Daus conducts research and is extensively published as an expert on ground transportation regulation and technology. He teaches courses on transportation history, policy, sustainability, for-hire regulation and technology. Daus also serves as president of the International Association of Transportation Regulators (IATR), a nonprofit educational and advocacy peer group of government transportation regulators from around the world promoting best regulatory practices. Daus is the longest serving chairman of the New York City Taxi and Limousine Commission (TLC), serving for 8 ½ years. Daus is a partner and currently chairs the Transportation Practice Group at Windels Marx Lane & Mittendorf, LLP.

* Daus is speaking at the invitation of The Institutes Griffith Insurance Education Foundation and in keeping with Griffith’s mission, his comments will be non-partisan, non-advocative and purely educational.

**Luncheon Keynote: A Smart City Story: Columbus**
Michael Stevens, Chief Innovation Officer, Columbus, Ohio

- Bio: Stevens was appointed by Mayor Andrew J. Ginther to be the first chief innovation officer for the city of Columbus. In this new role Stevens is responsible for the Smart Columbus Initiative, which includes oversight of the $50 million Smart City grant awarded to the city and long-term plans and partnerships needed to ensure Columbus is positioned for the future of smart technology and mobility. Prior to returning to the city of Columbus, Stevens served as president and CEO of Lake County Partners, a 501 (c) 3 economic development corporation that works to maintain economic vitality and quality of life in Lake County, Illinois. Stevens was responsible for leading efforts to attract and retain jobs, stimulate capital investment, and pursue economic diversity.

Panel 4: Enabling the Technology Underpinning Infrastructure Innovation

Panelists:

Jim Barna, DriveOhio, Executive Director

- Bio: Barna was appointed by Gov. John Kasich to serve as the executive director of DriveOhio, where he oversees the state’s strategic planning on the implementation of smart mobility technologies. As executive director, Barna is working to advance smart mobility in Ohio by developing partnerships and creating a one-stop shop for those looking to develop, test and deploy advanced mobility solutions in Ohio. Prior to his appointment to DriveOhio, Barna served for seven years as assistant director & chief engineer for the Ohio Department of Transportation where he oversaw all highway divisions including Planning, Engineering, Construction, Legislative Affairs and Innovative Delivery, including Public Private Partnership Procurement. He also oversaw ODOT’s policy, research and deployment of connected vehicle technologies.

Michael Stevens, Chief Innovation Officer, Columbus, OH

- Bio: See above

Blaine Leonard, Utah Department of Transportation, Technology & Innovation Engineer

- Bio: Leonard is responsible for traffic management technologies, and leads the planning for connected and automated vehicles. He has chaired the American Association of State Highway and Transportation Officials (AASHTO) Connected and Automated Vehicles Working Group, is currently co-chair of the AASHTO Technology Subcommittee, and leads the SPaT Challenge Tactical Working Group within the Vehicle to Infrastructure Deployment Coalition (V2I DC). Prior to joining UDOT, Blaine spent 20 years in the consulting engineering business. Leonard served as the president of the American Society of Civil Engineers in 2010.

Panel 5: Addressing Policy and Infrastructure Needs to Drive Innovation

Panelists:

Brian Pallasch, American Society of Civil Engineers, Managing Director of Government Relations and Infrastructure Initiatives

- Bio: Pallasch, CAE, is responsible for managing the ASCE’s government relations department, including federal and state legislative affairs, regulatory affairs, grassroots, and policy development. Since 2008, Pallasch has been responsible for managing ASCE’s strategic initiative regarding infrastructure, including development of the Infrastructure Report Card and the Failure to Act economic studies. Prior to joining the staff of ASCE, Pallasch served as the director of
government relations for the American Subcontractors Association (ASA) for three years where he was responsible for all federal and state relations. He served as president of the American League of Lobbyists from 2007-2008, after serving on the Board of Directors from 2004-2006.

Kim Menke, Toyota Motor North America, Inc., Regional Director of Government Affairs

- Bio: Menke joined Toyota in 1987 as an environmental engineer to support the construction and startup of Toyota’s first wholly owned manufacturing operation in the United States. Menke manages and supports Toyota’s relationships with local, state and federal officials where the company has manufacturing operations in Kentucky, Mississippi, Missouri, Tennessee and West Virginia. Areas of specific focus include workforce development programs, economic development efforts, public policy and legislative efforts. Prior to joining Toyota, Menke held Plant Engineering and Manufacturing Engineering positions with General Motors in Kentucky & Indiana.

Matthew Daus, City University of New York Transportation Research Center, Transportation Technology Chair

- Bio: See Panel 3