

# CHARTING THE PATH FORWARD



## ANNUAL CONFERENCE

MAY 20<sup>TH</sup> & 21<sup>ST</sup>



## AGENDA

### Thursday, May 20<sup>th</sup>

9:30 - 10:00 AM

#### Opening Remarks

Raymond Khoury P.E., ITSVA President, State Traffic Engineer, VDOT

#### Keynote Address

Catherine C. McGhee, P.E., Director of Research and Innovation, VDOT

10:00 - 11:00 AM

#### Emerging Tech & Conceptual Research

**Moderator: Zachary Doerzaph, Ph.D.** - Director, Division of Driver, Vehicle, and Safety Systems, Virginia Tech Transportation Institute

**Mark Fertelmeister** - Hyperion Product Manager, NVIDIA Corporation

- NVIDIA DRIVE Hyperion, the reference and testing platform for autonomous vehicles

**Noah J. Goodall, Ph.D., P.E.** - Senior Research Scientist, Virginia Transportation Research Council

- Transit Bus Collision Avoidance System, Field Evaluation of System Performance

**Ritchie W. Huang** - Executive Manager, Safety & Government Affairs, Daimler Trucks North America

- Daimler Trucks Advanced Technologies Overview

**Jean Paul Talledo Vilela** - Researcher, Virginia Tech Transportation Institute

- Automated Truck Mounted Attenuator (ATMA), prototype development and advanced applications

11:00 - 11:15 AM

**BREAK** - Additional content provided by Exhibitors.

11:15 - 12:15 PM

#### Strategic Transportation Opportunities & Prioritization

**Moderator: Michael Boone, PE** - Product Marketing Manager, Autonomous Vehicles & Computer Vision, NVIDIA Corporation

**Sam Beydoun, PMP DBIA** - Technical Assistance Lead, The Build America Bureau

- Obtaining funding under available DOT credit and funding programs

**Chet Parsons, AICP CTP** - Director of Transportation, Central Virginia Transportation Authority

- Prioritizing funding for transportation projects under a new scheme

**Egan Smith, PE, PTP, PTOE** - Managing Director for the Intelligent Transportation System Joint Program's Office, United States Department of Transportation

- Lessons learned from the latest rounds of grant funding for accessibility and mobility

### Friday, May 21<sup>st</sup>

9:30 - 10:30 AM

#### Freeway Corridor Strategies

**Moderator: Mena Lockwood** - Assistant State Traffic Engineer, VDOT

**Britton E. Hammit, Ph.D., P.E.** - Transportation Engineer, Kimley-Horn of DC & **Paul Szatkowski** - Assistant Division Administrator, Operations Division, VDOT

- Virginia Variable Speed Limits: Predictive Congestion Driven Algorithm

**Eric Hooks** - Regional Sales Manager, International Route Dynamics

- Discussion of innovative technology used to detect tire anomalies on commercial motor vehicles.

**Brian Patno** - Director Transportation Systems USA, Indra

- Vehicle Occupancy Detection System to reduce violation rates on HOV and HOT Lanes

10:30 - 10:45 AM

**BREAK** - Additional content provided by Exhibitors.

10:45 - 11:55 AM

#### Virginia Agencies' Updates & Outlook

**Moderator: Kevin Gregg**, Chief of Operations and Maintenance, VDOT

**Stephen Brich, P.E.** - Commissioner, VDOT

**Jennifer B. DeBruhl, AICP, PMP** - Chief of Public Transportation, DRPT

**Richard Holcomb** - Commissioner, DMV