**5GAA** Automotive Association

# C-V2X Workshop & Demonstration for

## North American Transportation Planning and North American Road Operators

5GAA SUPPORTED BY
VIRGINIA TECH TRANSPORTATION INSTITUTE (VTTI)

DATE
APRIL 26, 2018  09:00AM – 06:30PM

LOCATION
HYATT REGENCY WASHINGTON  ON  CAPITOL HILL
400 NEW  JERSEY AVE NW, WASHINGTON, DC 20001

WEBSITE
http://www.5gaa.org/Calendar

## Abstract

5GAA is pleased to present a C-V2X Workshop for North American transportation planning and road operations communities (State DOTs, MPOs and local agencies).

This workshop is intended to jumpstart a dialog between technology providers, cellular network operators and the transportation community on the capabilities, timeline and potential role of cellular technologies to transportation systems management and operations (TSMO).
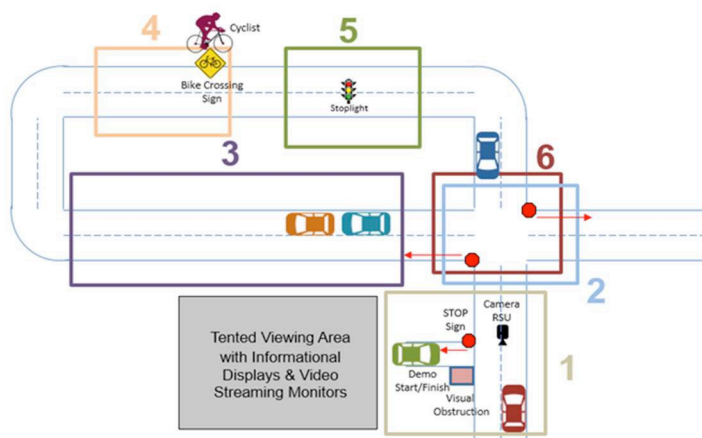
During the workshop, questions from stakeholders and technology providers alike will be asked and answered. In addition to valuable knowledge exchange, a primary output is to define solid next steps to realize the promise of C-V2X on our roads.

## Workshop Agenda

| Time Slot | Event |
|---|---|
| 08:30am – 09:15am | Registration at Hyatt Regency Washington Capitol Hill |
| 09:15am – 09:45am | Introductory Remarks: Welcome and Goals of Workshop<br>- Jim Misener, Qualcomm<br>- Christoph Voigt, Chairman 5GAA<br>- Maxime Flament, CTO 5GAA |
| 09:45am – 10:30am | The C-V2X Proposition<br>- Jovan Zagajac, Ford |
| 10:30am – 11:30am | Roundtable Discussion: Transportation Needs & C-V2X Solutions<br>Moderator: Chris Armstrong, Panasonic<br>Panelists:<br>- Lev Pinelis, Director, Tolling Operations and Innovation, Transurban<br>- Amy Ford, Chief of Advanced Mobility, Colorado Department of Transportation<br>- Virginia Lingham, Special Assistant to Chief of Innovation, Virginia Department of Transportation<br>- Jim Misener, Qualcomm |
| 11:30am – 12:45pm | Luncheon Keynote Speakers<br>- Roger Lanctot, Strategy Analytics<br>- Mike Mollenhauer, Virginia Tech Transportation Institute |
| 12:50pm – 01:10pm | Product Life Cycle Management<br>- Frank Perry, Savari |
| 01:10pm – 02:00pm | Economics of C-V2X: Alternative Models of Deployment<br>- Matt Arcaro,<br>  AT&T |
| 02:00pm – 02:20pm | Wrap Up and Next Steps<br>- Jim Misener, Qualcomm |
| 02:30pm – 06:30pm | Bus Shuttle in Groups to RFK Festival Ground Lot 7 |

# C-V2X Demonstration supported by VTTI

The workshop will be followed immediately by a demonstration of six C-V2X technology scenarios (supported by 5GAA members). Location RFK Festival Ground Lot 7.



1. Use of mobile broadband
2. Direct C-V2X vehicle-to-vehicle communications in action with a left-turn across path opposite direction (LTAP/OD)
3. Direct C-V2X vehicle-to-vehicle communication in action on a straight road scenario
4. Protecting a vulnerable road user
5. C-V2X signal phase and timing (SPaT) broadcast
6. Intersection movement assist