

**The NIST Vehicle Teleoperation Forum  
November 13, 2020**

**Draft Agenda**

**9:00 am Welcome**

**9:15 am Vehicle Teleoperation: Vision, Opportunities, and Challenges**

**9:30 – 10:00 am Keynote**

**10:00 am - 11:00 am Session 1 Government Panel**

This panel will discuss government agencies' work related to vehicle teleoperation.

**11:00 am – 1:00 pm Session 2 Industry Panel: Vehicle Teleoperation Today & Tomorrow**

Panelists will discuss industry status and activities related to vehicle teleoperation and share their visions for the future.

**1:00 pm – 1:30 pm Talk on Related Research Efforts**

This talk will overview related research efforts under the IEEE Vehicle Technology Society

**1:30 pm – 2:30 pm Session 3 Vehicle Teleoperation and Safety**

This panel will focus on the safety issues related to vehicle teleoperations. For example, how to define and measure safety of vehicle teleoperation? What are the key factors that will impact teleoperation safety?

**2:30 pm – 4:00 pm Session 4 Vehicle Teleoperation and Infrastructure (Networks, Cloud, AI)**

This panel will focus on infrastructure issues in vehicle teleoperation. For example, networking requirements and challenges, potential roles of cloud and edge computing for assisting human teleoperators today and enabling automated teleoperation in the future, potentials for off-loading some automated driving intelligence from the vehicles to the cloud (benefits, feasibility, and challenges), and the role of AI for vehicle teleoperation.

**4:00 pm – 5:00 pm Session 5 Vehicle Teleoperation and Standards**

This panel will discuss potential areas in vehicle teleoperation that will benefit from standardization. For example, taxonomy, performance and safety metrics, definitions of operational design domains for teleoperation, networking requirements, and interfaces with teleoperator, vehicle, and passenger.