Teleoperation Consortium

What is Teleoperation

- Teleoperation of vehicles, is the ability to remotely drive or assist a piloted or self-driving car. Telepresence is the ability to have sensory feedback from the remote system.

- The goal of producing a fully automated vehicle (AV) represents a culmination of automotive technology with sophisticated control software, AI-based models, ultra-low latency and reliable communications, and operational management systems occurring on the vehicle, on the cloud and over the network using a standards-based approach.

- A crucial part of the AV ecosystem is vehicle teleoperation (remote driving) and accordingly is receiving growing industry attention.

- It is time to coalesce the entities involved in developing vehicle teleoperations in order to stimulate growth, increase awareness, address issues and provide industry guidance for development and deployment."

Our Vision and Mission

Vision

Teleoperation can greatly accelerate the development of safe and efficient mobility by combining remote human intelligence with local autonomous control. The TC's vision is to foster practical autonomy by providing a forum for global industry, government, and research institutions to recommend approaches and develop an enabling ecosystem.

Mission

Our mission is to evangelize teleoperation to enable higher autonomy sooner. We will:

- Collaborate on research use cases, categorize approaches, and develop guidelines
- Examine safety, mobility and convenience issues
- Study government and commercial applications
- Identify opportunities for public and private sector participation in the ecosystem
- Maintain an ongoing dialog with public and private decision makers, and
- Educate industry on common issues and opportunities