

Truck Automation and Platooning Systems Development in the United States

Mr. Jensen will present an overview of testing and development projects in the United States that are associated with automated vehicle technologies as applied to commercial trucking. The presentation will cover the following three areas:

- An overview of the state-of-the-art in truck automation *Connected Vehicle* technologies, including an explanation of how they can work to both improve safety and mobility, encompassing vehicle-to-vehicle (V-I) communications, vehicle-to-infrastructure (V-I) communications, and truck platooning concepts;
- A survey of truck platooning current test and development programs in the United States, including both public sector and private sector developments;
- A case study of a truck automation planned deployment on *Dedicated Truck Lanes* that is being designed for the I-710 freeway corridor in Los Angeles, and which will include truck platooning operations.