

## **Data Collection for the Characterization of Older Driver Behavior**

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### **ABSTRACT**

The objective of this research is to characterize the second-by-second driver behavior of older drivers in order to accurately account for the lead-vehicle dynamics (defined as the temporal patterns of a single driver while not constrained by a vehicle in front of them) of the aging population in traffic simulation and emission models. Field data was collected using in-vehicle instrumentation from 40 drivers on a predefined route in Shelburne, VT – 20 individuals over the age of 70-years and 20 individuals between the ages of 21 and 30. Trends and differences in cruise, acceleration and deceleration data will be explored.