Drivers wanted for Driving Research at Vanderbilt University

We are seeking volunteer drivers to participate in a research experiment. The research goal is to assess the impact of adaptive cruise control (ACC) equipped vehicles to smooth traffic, thereby increasing fuel economy of all cars locally. A series of experiments will be run that involve multiple vehicles running custom ACC and additional vehicles that are instrumented to measure the surrounding traffic. The experiments will take place on I-24 on a stretch of freeway and will consist only of standard driving maneuvers.

The data collected during the test includes vehicle data (e.g., speed, acceleration, fuel information); Publicly available video data from Tennessee Department of Transportation owned traffic cameras and drones; Dash cameras installed in the vehicles. We do not collect personally identifiable information (PII) about the drivers as part of the research data.

Procedures used to determine eligibility follow the guidelines set out by Vanderbilt University Risk and Insurance Management driving eligibility procedures. All persons willing to volunteer must be over 18 years old and have a government issued driver's license. Drivers may additionally be required to take a Vanderbilt Driver Orientation course, consent to an Motor Vehicle Report background check, and meet any additional requirements set forth. All participants will be expected to attend a safety and experimental test briefing prior to the start of testing.

Availability
One weekday from November 7th to November 11th, 2022 for a training no longer than 3 hours.
Weekdays from Monday, November 14th to Friday, November 18th, 2022 between the hours of 5AM and 10:30AM.
Daily driving will consist of no more than a single test, with breaks given in between as needed.

Required experience
Driver's License
18 years of age or older
Comfortable with typical driving
Before driving, you must meet eligibility requirements set forth by Vanderbilt Risk and Insurance Management which may include a Motor Vehicle Report driving background check and Driving Orientation through Vanderbilt University (this can be done after you contact us for volunteering, and before data collection)

Compensation
Compensation will be announced at a later date.

This research is being conducted by Matthew Nice under the supervision of Prof. Dan Work in Civil Engineering and the Institute for Software Integrated Systems at Vanderbilt University.