Vehicle-in-Virtual-Environment (VVE) Method for Developing and Evaluating VRU Safety of Connected and Autonomous Driving

Data Management Plan

DATA DESCRIPTION

The sensor data produced during the proposed project will be in form of data of collected phone sensors and simulated vehicle perception sensors data. Personally identifiable and private data will not be collected/recorded. We may also use publicly available research datasets.

Data products will include journal and conference level research papers and presentations, software codes and models written in commonly available languages including Matlab, Python, simulations and their results.

DATA FORMAT AND STANDARDS

Numerical data will be stored in standard open file formats such as Matlab, Excel, CSV, and plain text.

POLICIES FOR ACCESS AND SHARING

Software and algorithms developed and research results will be disseminated in scientific publications and presentations as well as final reports that will be available on the Safety21 and other websites. The PIs and OSU Technology Commercialization Office will make an evaluation regarding invention disclosure, patentability, and other intellectual property issues that may require protecting or limiting access to software and source codes, otherwise those materials will be available on request.

We will comply with the OSU Research Data Policy.

PLANS FOR ARCHIVING AND PRESERVATION

Data will be stored on local, professionally managed servers with regular backup, as well as cloud-bases services such as OneDrive. Digital and written data will be retained by OSU for a minimum of 5 years following the end of the project, as per the OSU Research Data Plan. Analysis related intermediate results that could be easily recreated may not be considered for long-term storage and preservation.