Grant Number: 104526

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Project title: COSMOS: CO-existence Simulation Modeling of radars for Self-driving

The following files have been archived:

COSMOS_MatlabTextFiles_DataStructure	Report to demonstrate the process of loading and processing the radar data (stored as text files) in Matlab. The format of radar data/ variables is also mentioned.
COSMOS_Data Repository Report_UoB_RevC	Data repository report describing the measurement scenarios, and data structure of various sensors used for data collection campaign conducted by the University of Birmingham (UoB) and the project partners from 15/09/21 – 19/09/21 at Horiba MIRA test track.
Adaptive_Cruise_Control_ACC_Cases	Dataset containing the processed .txt files of radar and camera data for the adaptive cruise control (ACC) use cases with and without reflective facades. Dataset is available at: https://edata.bham.ac.uk/800/ The .txt files corresponding to following use-cases are attached: • Case2d_Reference • Case2d_Interference • Case2f_Reference • Case2f_Interference
VariablesToPlot	The folder containing variables used to plot the radar data in different domains. Data is stored as .txt files.
ReadingandProcessingTextFiles	The MATLAB .m file used to load, organise and process .txt files to plot the radar images in different domains along with the camera image for frame-to-frame association.