Name of project supervisor(s): Birsen Donmez

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Name of project: Driver-Automation Interaction

Project Description: A driving simulator study will be conducted to investigate how the drivers of highly automated vehicles scan their environment to form projections of the surrounding traffic and their autonomous vehicles a few seconds into the future, and to give feedback to facilitate this anticipatory driving behavior. The undergraduate research student will work closely with a PhD student on this simulator study. The work includes helping with the design and coding of the feedback interface, running the experiment, and processing data for analysis. Ideally, the student should have good programming skills and should be familiar with GUI coding (in Windows or/and Android).