Faculty of Engineering
Summer Research Program 2019/2020

Project Title: Human in the loop integration

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Objective

The objective of this project is to build a virtual driving environment by integrating Vissim and Unity. This platform allows a driver to get into the virtual environment and drive a car interacting with other cars modeled by micro simulation.

Project Details

A student will develop an architecture that leverages existing tools like VISSIM, Driving simulator, Virtual Reality, and Python to analyze and simulate multiple aspects of traffic, including vehicles and pedestrians. This platform will enable us to develop and validate techniques to improve traffic congestion, safety, and network performance.

Prerequisites

A student who can code in C# and knows Vissim

Additional Information

Candidates may be required to attend an interview.