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UCONN DRIVING SIMULATOR LAB

The UConn Driving Simulator Lab contains a suite of tools geared towards the research and evaluation of human behavior in response to and interaction with the built environment and machine. The UConn Driving Simulator Lab consists of a full-scale and desk top driving simulator equipped with the most advanced scenarios, vehicle dynamics, and driver behavior monitoring equipment. In addition, the lab also features a virtual reality lab to allow for innovative design and scenario modeling of transportation systems and technologies of the future.

REAL TIME TECHNOLOGIES
FULL SCALE DRIVING SIMULATOR

The Real Time Technologies Driving simulation is a powerful tool for analyzing, designing, and operating complex and risky situations in a controlled environment. The full cab simulator is outfitted with a high resolution, five segmented screens to simulate real-life driving scenarios. The simulator supports visual effects such as rain, fog, dynamic shadows, etc. It can easily be programmed by graduate or undergraduate students without specialized training. Using this system, researchers will be able to capture every aspect of the car and driver experience. The resulting data can be used to inform vehicle design, roadway design, human behavior and psychology,

engineering safety, new technology, autonomous driving, distracted driving, drugged and impaired driving, as well as a whole host of other research possibilities.

RTI DESKTOP DRIVING SIMULATOR

The Desktop Driving Simulator is a scaled down version of the full scale simulator allowing two teams to design an conduct research at the same time. Scenarios can be developed on the desktop sim and then deployed onto the full scale simulator.

HTC VIVE AND OCCULUS RIFT
VIRTUAL REALITY SYSTEMS

Immersive, room-scale virtual reality experience, that includes video, audio, and precise motion tracking. Room-scale motion tracking is enabled by the included base stations that sync wirelessly, avoiding the need for additional cords.

FOR MORE INFORMATION
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