

UF ADVANCED DRIVING SIMULATOR FACILITY

WHAT TO KNOW

The **Department of Industrial & Systems Engineering at the University of Florida** houses a high-fidelity full motion driving simulator in the Human Systems Engineering Lab.

The full motion capabilities of the simulator is facilitated through a six degree-of-freedom motion base providing motion and acceleration cues that can help reduce simulator sickness and allow for a more realistic driving experience.

This technology allows us to study driver behavior, use of in-vehicle technologies, and driving safety across a broad range of simulated driving scenarios. A detailed picture of a driver's physical and cognitive states is captured using eye-tracking systems, physiological measures, and motion tracking.



Integrates a **Bosch motion platform that supports a Hyundai vehicle steering column**



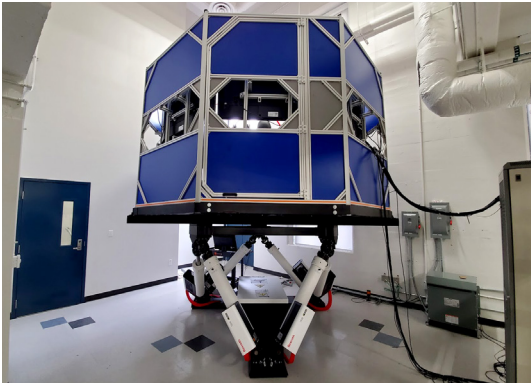
Holds **eight ultra-high-definition display screens**



Surrounded by a **360-degree visualization frame**



Includes one of the most **advanced driving vehicle simulation software applications** currently available on the commercial market



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