

Center for Virtual Proving Ground Simulation (CVPGS)

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National Advanced Driver Simulation Facility

The I/UCRC for Virtual Proving Ground Simulation at the University of Iowa and the University of Texas at Austin has developed a world-class facility that pushes the envelope in high-speed mechanical system simulation, providing a revolutionary new capability to test vehicle designs using a super-realistic driver interface. The center's National Advanced Driver Simulation (NADS) facility, completed in 2002 at a cost of around \$80M, is being used by companies like John Deere for "operator-in-the-loop virtual proving" of new vehicle systems before they are built, as well as by agencies like the National Highway Traffic Safety Administration to conduct highway safety studies under precisely controlled and safe experimental conditions. NADS is the only driving simulator in the world in which such activities can be carried out in a full 360° wrap-around virtual environment.



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