

[English](#)

Driving simulators

SAAM

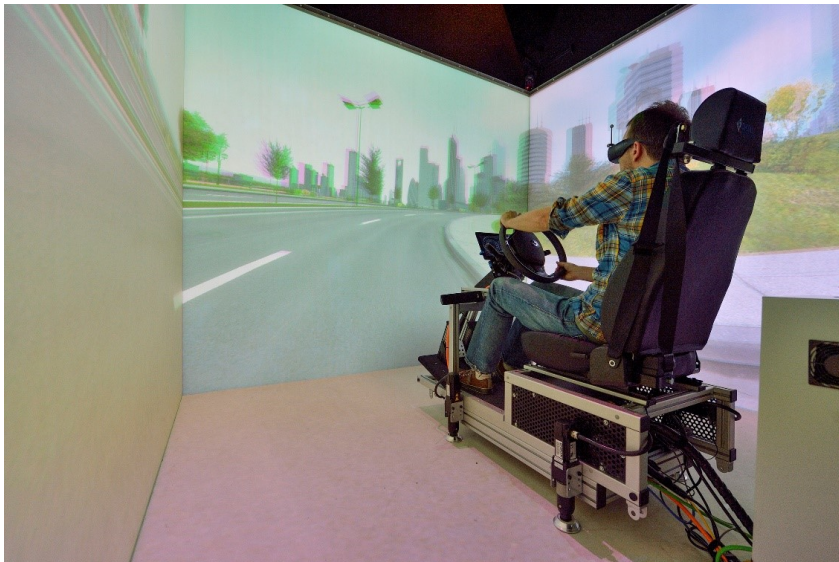
Real scale dynamic car driving simulator

Specifications: Renault Twingo 2 car mounted on a MOOG 6DOF 2000E platform (electric cylinders), environment visualization on a hemicylindrical display (1.20m height; 150° field of view) with 3 Projection Design F10SX+ videoprojectors, visualization of external and internal mirrors through LCD displays, real-time graphics and driving environment rendering, interaction metaphors with the cockpit (visual, sound and haptic) by a cluster of 6 computers

The SAAM high performance dynamic simulator uses the SCANeR Studio software, provided to Arts et Métiers by AV Simulation in the frame of a research collaboration between the [LiV](#) research laboratory and AV Simulation.

Keywords: driving simulator, dynamic platform, vibrations, force feedback, blending, anamorphosis, hemicylindrical display, simulator sickness

SI2M



Static car simulator

Specifications: Dynamic driving simulator on electric actuators, 3 degrees of freedom of motion, vibrations, possibility to use in a CAVE or an HMD

Keywords: driving simulation, dynamic platform, vibrations, force feedback, simulator sickness, motion sickness

eco2

Static car simulator

Specifications: Static driving simulator, driving environment visualization on three LCD displays (32 inches each, 100° total field of view), visual, sound and haptic interaction metaphors with the cockpit, real-time driving environment rendering by an HP Z600 workstation integrated to the simulator, networking of several simulators possible for collaborative driving

Keywords: driving simulation, static platform, vibrations, force feedback, simulator sickness, motion sickness