



FORUM8 Has Built and Delivered the World's First 4K Five-Screen 3D Stereoscopic Driving Simulator

FORUM8 has successfully built and delivered an ultra-precision driving simulator for vehicle dynamics research and development, for Nagoya University in Japan.

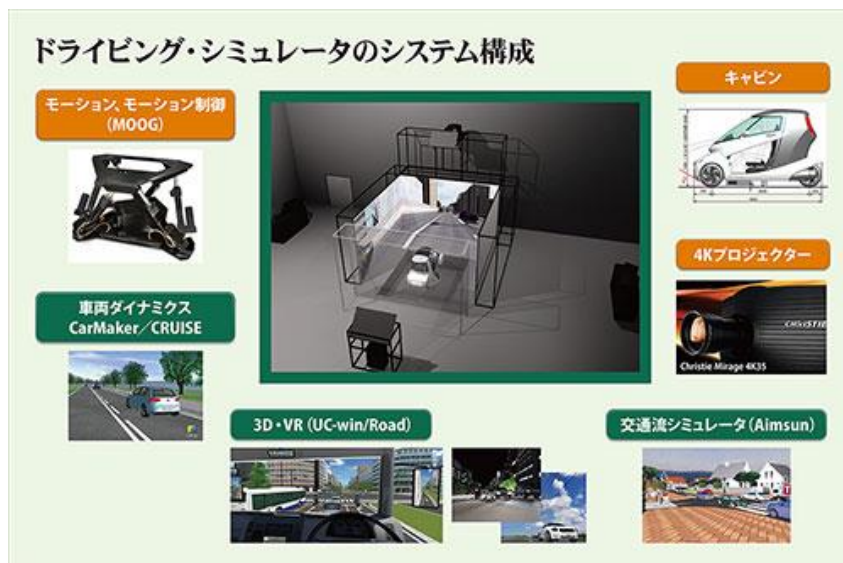
The simulator is located inside the University's National Innovation Complex (NIC).



▲Large 5-screen CAVE (cave automatic virtual environment) providing the widest possible field of view whilst achieving the highest possible immersive 'sense of presence'.

This simulator is the world's first 5-screen 3D stereoscopic VR driving simulator. This unique system incorporates a number of different elements such as driving simulation, traffic micro-simulation and vehicle dynamics / performance, by building upon the highly interactive nature of FORUM8's 3D VR software VR-Design Studio (formerly known as UC-win/Road).

The Driving Simulator is optimized to be able to monitor and record a range of human factors (perceptions and traits) through the use of complex mathematical models in conjunction with high-luminance & high-definition visual cues, realistic cockpit modules and a highly responsive motion platform.



N.b. The Nagoya University has been an avid participant of the Japanese MEXT's (Ministry of Education, Culture, Sports, Science and Technology) "Centre of Innovation (COI)" mission under the research theme of "Diversified and Personalized Society Innovation Design - A Senior-Friendly Society of Mobility". As a member of this active research mission of Nagoya University, Special-Appointed Professor Tetsunori Haraguchi has chosen FORUM8 and its VR simulator systems to examine and research vehicle performances and dynamics.



▲National Innovation Complex in Nagoya University

National Innovation Complex (NIC) is Nagoya University's latest attempt to foster stronger ties between industry and research institutes for collaborative projects to contribute to the COI's mission. The complex is located in the Higashi-Yama Campus of Nagoya University. It is inside this building where Nagoya University houses FORUM8's newest simulator.

Related Information

●High Precision Driving Simulator for Vehicle Performance Analysis (Video)

<https://youtu.be/6ctgceHMWi8>

●Nagoya University Institute of Innovation for Future Society

<http://www.coi.nagoya-u.ac.jp/en>

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