PRESS RELEASE – for immediate use

Renault and gestigon work on next generation driver monitoring

Renault and gestigon have announced that they have been collaborating intensively since 2015 to provide a next generation driver monitoring system for the Renault vehicles. The cooperation is being driven by the Renault Innovation Silicon Valley Lab in Sunnyvale (CA) and intends to assess the 'user's readiness' to take over driving in partially autonomous vehicles. In future Level 3 autonomous cars, it is of utmost importance that the car evaluates the driver's awareness of the driving situation before handing the controls over. This awareness can be measured with gaze and eye tracking methodologies. But the ability of the driver to take over control should be evaluated through comprehensive assessment of driver's postural, visual and cognitive readiness. gestigon's state-of-the-art body tracking methodologies based on 3D depth sensor data can close this gap by providing stable and fast body tracking plus a lot of additional data about the driver and passengers in the car. Being able to detect the hand's positions on the steering wheel and different objects that the user might use is essential to determine the hand over strategy and timing.

Pierre Delaigue, Project Manager in the Renault Silicon Valley lab, setup this collaboration: "We met gestigon in 2014 and were impressed by their ability to provide gesture control and body tracking solutions for the automotive market. After several feasibility studies with gestigon we have now developed prototypes that could be integrated in future generations of Renault vehicles." This positive outcome is confirmed by Dennis Münster, the project leader on gestigon's side as well as Moritz von Grotthuss, CEO of gestigon. "We very much like Renault's passion to look ahead and work on solutions that address the next level of automotive user experience. And they are driving the development of Autonomous Driving Cars, which we believe in too."

Renault's Driver Monitoring research platform integrating Gestigon 3D tracking technology

About Renault Innovation Silicon Valley

The Renault group has been making cars since 1898. Today it is an international multi-brand group, selling more than 2.8 million vehicles in 125 countries in 2015, with 36 manufacturing sites, and employing more than 120,000 people.

The Renault Innovation Silicon Valley lab based in Sunnyvale, California aims at exploring new technologies to foster innovation in future Renault vehicles. Shared with Nissan, the Sunnyvale center focuses on autonomous and assisted driving, human machine interfaces, connected cars, and shared-use mobility. The objective is not only to learn from the Silicon Valley ecosystem but also to actively contribute to it. A dozen of partnerships with startups, universities, and labs are launched each year.

Contact Renault Innovation Silicon Valley

Website

About gestigon

gestigon develops middleware algorithms to recognize human poses, gestures and biometrical features that work with 3D depth sensors. Addressed markets are automotive, AR/VR headsets, and consumer electronics/smart home. The software solution is recognized for its speed (low latency) and wide range of deployment, including embedded systems. The company is headed by co-founders Moritz v. Grotthuss (CEO) and Sascha Klement (CTO) and has grown to 31 employees since its incorporation in 2011. The main office is located in Lübeck, Germany with a project office in Sunnyvale, USA.

Contact Gestigon:

Moritz v. Grotthuss (CEO)
gestigon GmbH
Maria-Goeppert Straße 9a
23562 Lübeck, Germany
Office +49 (451) 879 291 31
Fax +49 (451) 879 291 40
E-Mail: moritz.vongrotthuss@gestigon.com
Web: www.gestigon.com
Press Material: www.gestigon.com/press-info.html