

Valeo signs an agreement with Mobileye to develop a new autonomous vehicle safety standard

Las Vegas, January 8, 2019 – At the CES 2019, in Las Vegas, Valeo has signed today a partnership agreement with Mobileye to develop and promote a new autonomous vehicle (AV) safety standard based on Responsibility-Sensitive Safety (RSS), Mobileye’s mathematical safety model, with the goal of a widespread industry adoption.

“With its compelling expertise and experience in AVs, its genuine priority on safety, its sensors and perception systems of the vehicle, Valeo will support and collaborate on RSS, aiming at reaching the best level of safety standard for AVs” highlighted Jacques Aschenbroich, Valeo Chairman and Chief Executive Officer.

RSS is a technology-neutral starting point for the industry to align on what it means for an AV to drive safely. RSS formalizes human notions of safe driving into a verifiable model with logically provable rules and defined responses. This model prescribes safety and does not rely on millions of miles of driving history to teach safety.

The auto industry has become increasingly vocal about the need for a strong, transparent and technology-neutral standard for AV Safety. AV key players are progressively adopting RSS, such as Baidu for the Apollo Project, the first open AV platform (which Valeo has joined as well previously). Governments and industry alike are recognizing RSS as a key model for AV safety.

Valeo and Mobileye will collaborate on policies and technologies needed to bolster the adoption of an RSS-based technology standard in Europe, the U.S. and China. The partnership will include drafting of frameworks for the verification and commercial deployment of safe AVs, funding of public research on the RSS model, contributing to draft standards and participation in key committees and working groups in designated standards organizations.

Valeo will contribute its expertise in perception systems, an area where the Group currently ranks as world leader, with the industry’s most comprehensive range of sensors, comprising cameras, radars, ultrasonic sensors and the Valeo SCALA™ laser scanner, the only mass-produced LiDAR (Light Detection and Ranging) technology on the market today developed specifically for the high robustness requirements in the automotive environment.

With this know-how, Valeo has already achieved numerous world firsts in the field of AVs, including the first autonomous car to be demonstrated on the streets of Paris itself in very challenging urban environment, as well as road trips around Europe, the United States and Japan.

This partnership is in line with the Group’s approach of building an ecosystem for mobility of the future including players from the automobile industry, the telecommunications industry, and the consumer electronics.

About Mobileye

Mobileye, an Intel company, was launched in 1999 with the belief that vision-safety technology will make our roads safer, reduce traffic congestion and save lives. With a cutting edge team of more than 450 engineers, Mobileye has developed a range of software products that is deployed on a proprietary family of computer chips named EyeQ®. Mobileye creates the hardware and software needed to help our 27 OEM partners enable ADAS systems and eventually fully autonomous vehicles. In 2017, Intel Corporation acquired Mobileye.

Valeo is an automotive supplier, partner to all automakers worldwide. As a technology company, Valeo proposes innovative products and systems that contribute to the reduction of CO₂ emissions and to the development of intuitive driving. In 2017, the Group generated sales of 18.5 billion euros and invested 12% of its original equipment sales in Research and Development. Valeo has 185 plants, 20 research centers, 36 development centers and 15 distribution platforms, and at June 30, 2018, employs 115,000 people in 33 countries worldwide. Valeo is listed on the Paris stock exchange and is a member of the CAC 40 index.

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