



## Autoliv and MIT AgeLab to collaborate in the research of autonomous vehicle systems

(Stockholm, Sweden, October 11, 2017) – Autoliv, Inc. (NYSE: ALV and SSE: ALIVSdb), the worldwide leader in automotive safety systems, signs research agreement with the Massachusetts Institute of Technology AgeLab. The two-year long research collaboration aims to develop a semi-autonomous vehicle prototype that demonstrates the future of human-centered artificial intelligence in the automotive space.

The mission of this research collaboration is to provide for the development of artificial intelligence systems that understand and manage the state of the driver to create a safe and enjoyable experience in semi-autonomous vehicles. At the core of the research effort, is the development and real world evaluation of deep learning algorithms that enable effective communication and transfer of control between human and machine. This includes sensing driver gaze, emotion, cognitive load, drowsiness, hand position, posture, and fusing this information with the perception of the driving environment to create safe, reliable vehicles that drivers can learn to trust.

"We are looking to lead the world in the application of state-of-the-art deep learning methods for semi-autonomous vehicle systems in a way that ensures the human being is the core focus of every algorithm and interface we build," says Lex Fridman, MIT. "It is clear that the global focus on autonomous vehicles must begin to consider increased investment in human centered vehicle system that support appropriate driver engagement through trusted safety and an enjoyable mobility experience," says Bryan Reimer, MIT. "We believe that drivers will be traversing the world's roadways for decades to come as higher levels of automation steadily increases."

"Today, 1.4 million people die in traffic fatalities every year. Investments in vehicle automation such as Advanced Driver Assistance Systems (ADAS) will increase road safety, but the introduction of assistance technology is not enough. To save more lives, we need to establish trust between the driver and the car's intelligence. I am confident that this collaboration with leading researchers will accelerate the industry's ability to deliver future safety solutions," says Ola Boström, VP Research at Autoliv.

Learnings from the research collaboration will likely be used in the development of software from Zenuity, the software joint venture of Autoliv and Volvo Cars.



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## About Autoliv

*Autoliv, Inc. is the worldwide leader in automotive safety systems, and through its subsidiaries develops and manufactures automotive safety systems for all major automotive manufacturers in the world. Together with its joint ventures, Autoliv has more than 80 facilities with 70,000 employees in 27 countries. In addition, the Company has 22 technical centers in ten countries around the world, with 19 test tracks, more than any other automotive safety supplier. Sales in 2016 amounted to about US \$10.1 billion. The Company's shares are listed on the New York Stock Exchange (NYSE: ALV) and its Swedish Depository Receipts on Nasdaq Stockholm (ALIV sdb). For more information about Autoliv, please visit our company website at [www.autoliv.com](http://www.autoliv.com).*

## Safe Harbor Statement

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