Autoliv

Autoliv to Debut Latest Advanced Research Vehicle LIV 2.0 at CES® 2018

Human-Machine Interaction Reaches Next Level to Provide a Safer Driving Experience

***(Stockholm, Sweden, December 19, 2017)* – Autoliv, Inc. (NYSE: ALV and SSE: ALIVsdb), the worldwide leader in automotive safety systems, will reveal at CES 2018® in Las Vegas its Learning Intelligent Vehicle (LIV) 2.0, a real human/machine interaction that will help shape consumer acceptance of autonomous vehicles.**

LIV 2.0 is a "5th occupant in the vehicle", capable of sensing driver and passenger instructions and moods through an array of sensors that track sound and hand movements, and then communicate with fellow human occupants. LIV 2.0 is not a friendly voice overlay on a machine – it is the vehicle itself, equipped to sense and interact in various ways with drivers and passengers, while learning from those experiences.

"You do not use your car like a smartphone, but rather, you put your physical safety in your vehicle's hands, so shared control and two-way trust between human and machine are crucial for the development and adoption of autonomous vehicles," says Ola Boström, VP Research at Autoliv.

At LIV's core are deep learning algorithms that enable effective communication, including sensing driver gaze, emotion, cognitive load, drowsiness, hand position, posture and then fusing this information with data on the external environment to yield driving experiences that are not only safer, but feel that way, too.

The LIV research platform will use the latest technologies developed by Autoliv to answer questions**,** such as: Under what unique circumstances will a driver need to assert control? Do technically accurate functions like deceleration or turning need to be modified to address passenger concerns? How should a smart car interact with people who are occupied with entertainment or other mobility experiences?

"Consumer reaction to this evolutionary change in how they operate or ride in vehicles remains an open question," adds Boström. "LIV will help innovate ways to make cars equally as intelligent about what's going on in the interior of the cabin as they are about the road outside."

MEDIA OPPORTUNITY:

- Take a test drive with LIV (20 minutes)

- Speak with company executives and researchers on what's next for AI, HMI, and autonomous driving

Briefing Session – Join us for a 30-minute dialogue between industry and academia:

TOPIC: "Will Consumers Trust Intelligent Cars?" featuring three of the industry's renowned leaders in automotive research

WHO: Ola Boström, VP Research, Autoliv
           Bryan Reimer, Research Scientist, MIT AgeLab
           Erik Ekudden, Chief Technology Officer, Ericsson Group

WHERE: SpringHill Suites, 2989 Paradise Road – 8th Floor, Las Vegas
           located directly next to LVCC Gold Lot

WHEN: Monday, January 8, 2018 at 3 pm
           Tuesday, January 9 at 10am & 12pm

Email events@autoliv.com to book your seat by January 5. Please indicate your preferred day and time.

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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.