News Byte

May 3, 2017

Contact Intel PR

Intels Kathy Winter (from left), Doug Davis and Patti Robb cut the entrance ribbon, officially opening Intels Silicon Valley Center for Autonomous Driving in San Jose, California, to the public on Wednesday, May 3, 2017. (Credit: Intel Corporation)

Intel today unveiled its Advanced Vehicle Lab in Silicon Valley, providing insight into the company's cutting-edge R&D efforts underway to push the boundaries of driverless cars and the future of transportation.

The announcement was made during the company's first Autonomous Driving Workshop held in San Jose, California. The company's Silicon Valley Lab joins Intel's other labs in Arizona, Germany and Oregon. They have been created specifically to explore and better understand the various requirements related to self-driving vehicles and the future of transportation, including sensing, in-vehicle computing, artificial intelligence (AI), connectivity, and supporting cloud technologies and services.

With the slew of information captured by cameras, LIDAR, RADAR and other sensors, autonomous cars are expected to generate approximately 4 terabytes of data every 90 minutes of operation. Most of this data will be processed, filtered, and analyzed in the car, while the most valuable data will be moved to the data center to update maps, enhance data models and more.

Intel's Autonomous Garage Labs work with customers and partners to come up with new ways of addressing the data challenge inside the vehicle, across the network and in the data center. Engineers at the labs use a variety of tools to advance and test in these areas, including vehicles equipped with Intel-based computing systems and different kinds of sensors that help gather data; autonomous test vehicles that practice real-world driving; partner vehicles and teams that are collaborating with Intel's research efforts; and dedicated autonomous driving data centers.

Today's workshop was the first time Intel – together with BMW, Delphi, Ericsson and HERE – presented the whole of its autonomous driving program. A combination of demonstrations and tech talks were used to dissect the data-driven journey and explain why Senior Vice President Doug Davis believes Intel is the leading technology company capable of addressing the data challenge in its entirety and is the reason he postponed his retirement.

MORE

News Byte: Intel test cars on the streets of Arizona
Press Kits: 2017 Autonomous Driving Workshop | Autonomous Driving at Intel

Tags: Autonomous Driving

Other News

April 12, 2021
Autonomous Driving / Mobileye

April 12, 2021
Mobileye and Udelv Ink Deal for Autonomous Delivery

February 25, 2021
Mobileye, Transdev ATS and Lohr Group To Develop AV Shuttles

About Intel

Intel (Nasdaq: INTC) is an industry leader, creating world-changing technology that enables global progress and enriches lives. Inspired by Moore's Law, we continuously work to advance the design and manufacturing of semiconductors to help address our customers' greatest challenges. By embedding intelligence in the cloud, network, edge and every kind of computing device, we unleash the potential of data to transform business and society for the better. To learn more about Intel's innovations, go to newsroom.intel.com and intel.com.

© Intel Corporation. Intel, the Intel logo and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

Latest News: Automotive

April 12, 2021
Autonomous Driving / Mobileye

April 12, 2021
Mobileye and Udelv Ink Deal for Autonomous Delivery

February 25, 2021
Mobileye, Transdev ATS and Lohr Group To Develop AV Shuttles

Read More