




HAVEit Final Event Overview Press Photos

	<p>Seven vehicles are presented at the HAVEit Final Event, demonstrating the highly automated future of driving.</p> <p>Beim HAVEit Final Event werden sieben Fahrzeuge präsentiert, welche das hochautomatisierte Fahren der Zukunft demonstrieren.</p>
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(1) Automated Assistance for Roadworks and Congestion

	<p>The automated assistance system for roadworks and congestion recognizes demanding traffic lane instructions through a new development in sensor fusion of already existing series production radar and camera technologies.</p> <p>Durch eine neuartige Fusion von bereits in Serienproduktion befindlichen Radar- und Kameratechnologien erkennt der Baustellen- und Stauassistent anspruchsvolle Fahrspurvorgaben.</p>
	<p>The system relieves the driver by automatically taking over the monotonous task of starting and stopping in congested traffic.</p> <p>Das System entlastet den Fahrer, indem es im Stau automatisch die monotone Aufgabe des wiederholten Anfahrens und Abbremsens (Stop and Go) übernimmt.</p>



(2) Automated Queue Assistance

	<p>The AQuA system relieves the driver of the monotonous task of driving in traffic queues. The vehicle is controlled automatically, follows the queue and stays in the lane.</p>
	<p>The AQuA truck is equipped with numerous sensors that collect information about the surrounding environment. Based on this information the system can calculate the appropriate driving speed and steering activity.</p>


(3) Temporary Auto-Pilot

	<p>Volkswagen prototype HAVEit: Automatic Driving with TAP (Temporary Auto Pilot)</p> <p>Volkswagen Forschungsfahrzeug HAVEit: Automatisches Fahren mit TAP (Temporary Auto Pilot)</p>
	<p>Volkswagen prototype HAVEit: Future Automatic Driving. The car takes over longitudinal and horizontal control, the driver's condition is constantly monitored.</p> <p>Volkswagen Forschungsfahrzeug HAVEit: Automatisches Fahren in der Zukunft. Das Fahrzeug übernimmt Fahraufgaben der Längs- und Querregelung, der Fahrerzustand wird überwacht.</p>



(4) Active Green Driving

	<p>The Active Green Driving hybrid bus is able to anticipate various road conditions by gathering data from the surrounding environment. This allows using the right amount of energy for the bus trip.</p>
	<p>The Active Green Driving concept is demonstrated on a several kilometer long track, including uphill, downhill, speed limits, traffic lights and bus stops.</p>


(5) Brake-by-Wire Truck

	<p>The fully electromechanical brake-by-wire system enables increased braking performance for actuation and advanced slip control resulting in an improved stability control and reduced stopping distance by about 15 percent compared to state-of-the-art brake systems.</p>
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(6) Joint System Demonstrator

	<p>Equipped with sensors and a steer-by-wire steering, FASCar II serves to test innovative assistance and automation systems.</p> <p>Ausgestattet mit Sensoren und einer Steer-by-Wire-Lenkung dient das FASCar II der Erprobung innovativer Assistenz- und Automationssysteme.</p>
	<p>The driver determines the degree of automation by pressing a button.</p> <p>Per Tastendruck bestimmt der Fahrer den Grad der Automation.</p>

(7) Architecture Migration Demonstrator

	<p>The Architecture Migration Demonstrator demonstrates basic automation functions like an Adaptive Cruise Control (ACC) and a lane keep assist within one lane.</p> <p>Im Architecture Migration Demonstrator wurden grundlegende Automatisierungsfunktionen wie ein Abstandsregeltempomat (ACC) sowie die Spurhaltung innerhalb einer Fahrspur realisiert.</p>
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