

Message

From: SAE International [Editors@sae.org]
Sent: 8/6/2018 1:30:00 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: SAE Vehicle Engineering Technology eNewsletter August 2018

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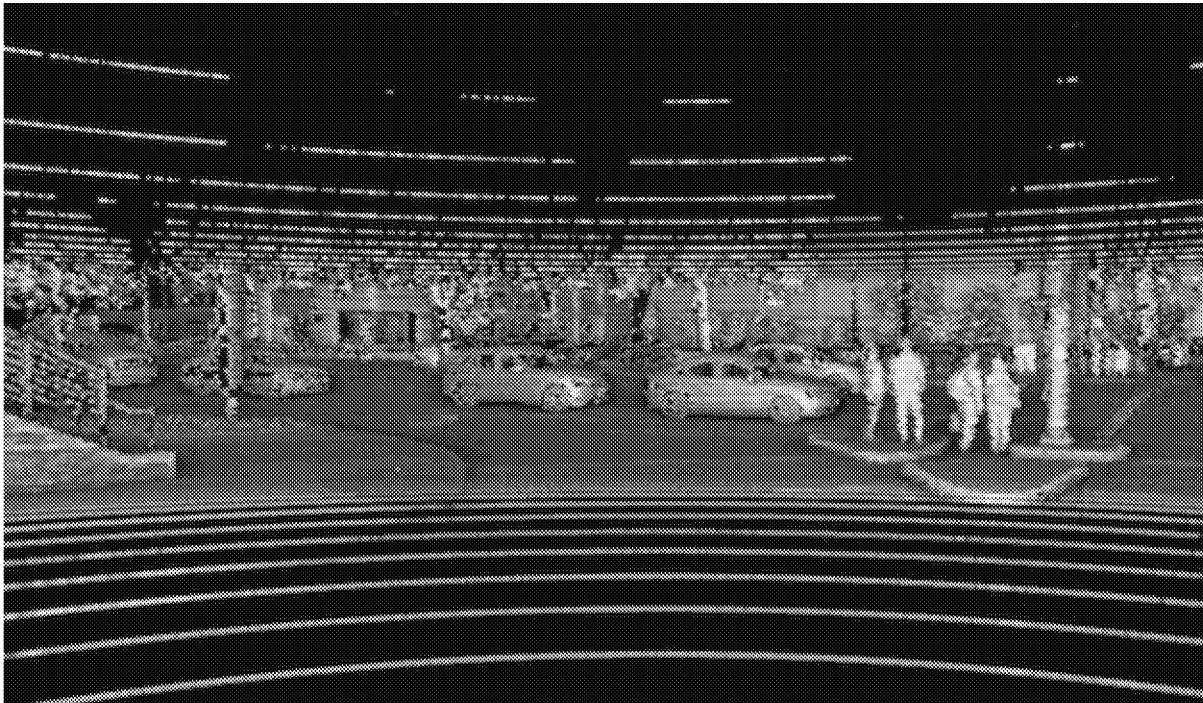
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VEHICLE ENGINEERING
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LiDAR: New "eyes" for vehicle autonomy

Steadily evolving lidar sensor technology will offer significant leaps forward in autonomous capability—once cost is reduced.

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WaveFarer for Auto Radar Simulation

This short video introduces WaveFarer, a targeted software solution that simulates raw radar returns for drive test scenarios.

WaveFarer enables Tier 1 suppliers to virtually test and refine results earlier in the design process, improving installed sensor performance.

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Toyota launches second-gen fuel-cell Class 8

With a longer-range and more-refined fuel cell-powered heavy-duty truck, Toyota aims to eventually eliminate emissions from trucks serving increasingly congested California ports.

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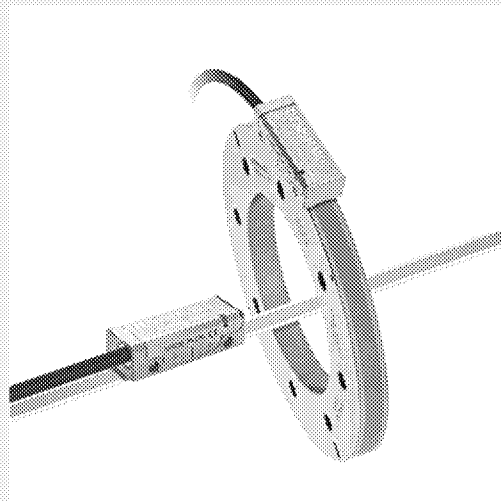


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GE Aviation, Teradata partner on data analytics, edge connectivity for airlines

GE Aviation and Teradata are expanding their partnership to provide airlines with a framework that combines Teradata's high-performance cloud analytics with GE Aviation's edge-connectivity services.

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The Pfeiffer Vacuum ASM 340 performs helium or hydrogen leak detection in vacuum and sniffer modes. It detects leaks to 5×10^{-12} mbar l/s in vacuum mode and 5×10^{-9} mbar l/s in sniffing mode. This durable, high performance leak detector offers I/O interface, SD memory card and wireless remote operation up to 100 meters.

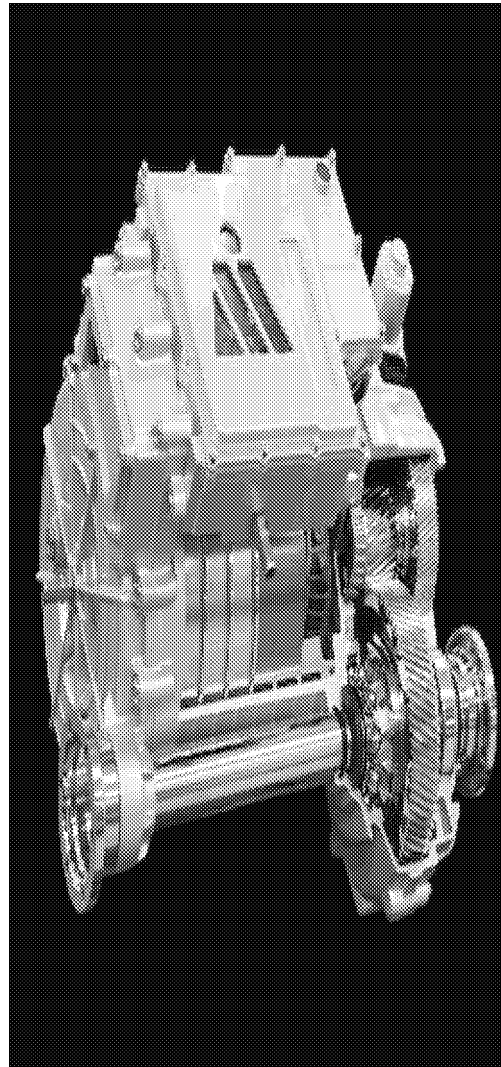
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E-Axles speed electrification

The e-axle business is booming, proving a practical 'bridge' between today's legacy auto architectures and the fully-electrified future.

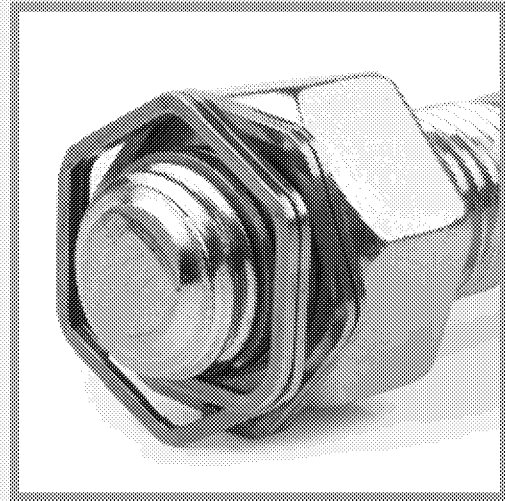
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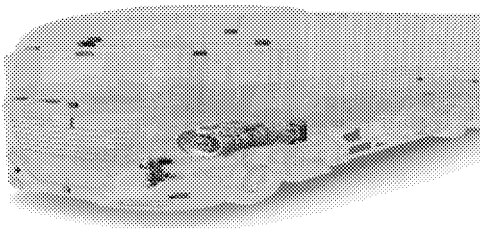
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ADAS features expand role, V2V looms

Truck owners and commercial-vehicle suppliers are ramping up their safety efforts, making more advanced driver-assistance systems (ADAS) standard while looking at the potential benefits of vehicle-to-vehicle (V2V) communications.

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NASA partners with ONERA on low-boom supersonic flight

The research hinges on developing an accurate method of determining where the sound waves of sonic booms will impact the ground as supersonic aircraft fly overhead.

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Streamlining Vehicle Development with Wheel Force Transducers

Wednesday, August 29, 2018

The newest generation of wheel force transducers has made it possible to obtain high-quality data in an efficient manner. In this webinar engineers from MTS will discuss an overview of the SWIFT Evo design, the importance of certain design specifications, and an outline of the RLDA data captured during testing and how to use it.

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Smart Cities and the V2X Factor

Thursday, August 16, 2018

This 60-minute technical webinar from the editors of SAE International examines the latest in vehicle-to-infrastructure (V2I) and vehicle to everything (V2X) communication. Topics include safety/mobility applications, data collection, security and vehicle and infrastructure interoperability.

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