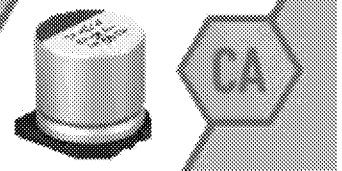


From: SAE International [editors@sae.org]
Sent: 2/5/2018 2:18:53 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: SAE Vehicle Engineering Technology eNewsletter February

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Chevy unveils larger, lighter 2019 Silverado at Detroit auto show

Chevrolet preps a lighter and larger 2019 Silverado to wrestle for pickup-truck market share with an all-new Ram and Ford's best-selling F-Series.
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PSA's plan of action for Opel/Vauxhall: electrification, shared platforms, global R&D center in Germany

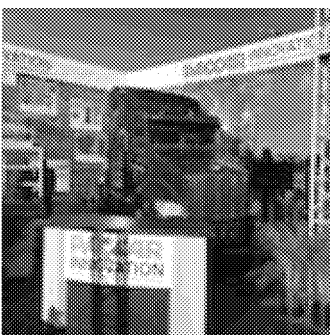
One hundred days after France's PSA group bought GM's Opel/Vauxhall, the first and crucial detailed plan of action and its effects for the combined businesses is revealed at Opel's Rüsselsheim HQ.
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3D SYSTEMS



Paccar reveals new and future tech at CES 2018

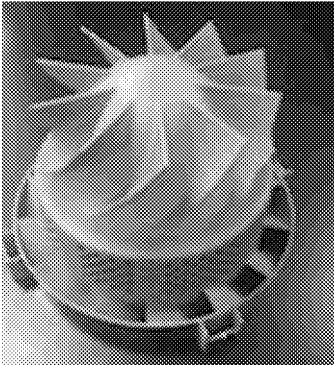
At the 2018 Consumer Electronics Show, Paccar's Peterbilt unit reveals an SAE Level 4 autonomous demonstrator and Kenworth shows a fuel-cell-powered Class 8 that's ready for road-testing.
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Testing Autonomous Systems

Autonomous vehicles use a large number of environmental sensors (radar, Lidar, camera, ultrasonic, etc.), and testing them is quite challenging. Verifying that vehicles, pedestrians, traffic signs, and other objects are detected properly under all operating conditions is a huge undertaking. From prototyping and data recording to in-lab validation, dSPACE offers a unique tool chain for developing and testing multi-sensor applications effectively and efficiently.

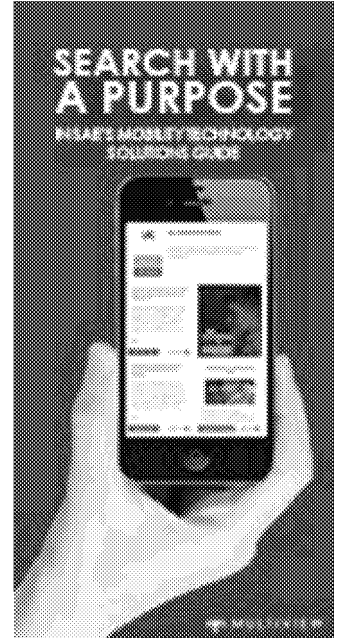
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Automotive prepares for 3D printed-part assault

The use cases for three-dimensional printed automobile parts are plentiful, but production applications of the additive manufacturing process have been almost non-existent -- until now.

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Thermal management plucks CAFE's low-hanging fruit



Thermal system upgrades are being incorporated first because of cost-effectiveness. Experts at the SAE Thermal Management System Symposium see additional opportunities.

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A secure technology future underscores U.S. Army's R&D work

Cybersecurity, batteries, fuel cell power, and autonomous technologies are addressed by the Director of the U.S. Army Tank Automotive Research, Development and Engineering (TARDEC) in a Q&A with SAE Media.

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Sounds like holistic audio system development

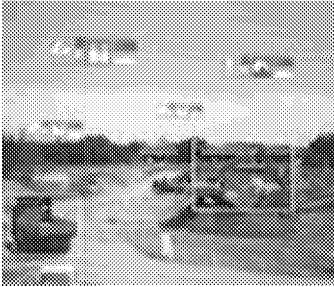
Demands for audio system sound quality are rising, forcing new approaches for in-vehicle infotainment systems.

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2018 Porsche Cayenne rides high on air suspension and a lighter unibody.



Porsche's spicier new Cayenne gets stronger and lighter for 2018.
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Komatsu building AI into construction sites

Komatsu is bringing NVIDIA artificial intelligence to the construction site to increase workplace safety and efficiency.
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WEBCAST ALERTS



Trends in Automotive E/E Systems Engineering
Sponsored by Method Park
Coming on Thursday, February 8, 2018

The automotive industry is facing its biggest technological revolution since the invention of the combustion engine. In this webinar, learn about the impacts of current automotive trends on E/E Systems Engineering with focus on complexity, AUTOSAR, Safety, Security, PLM, distributed development and agility.

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Autonomous Vehicles and Roadway Marking Evaluation Systems
Sponsored by Gamma Scientific
Coming on Thursday, February 15, 2018

Poor quality road markings are a hindrance to the development of AVs. This 60-minute Webinar discusses the keys to good quality road markings and gives an overview of the Laserlux AV product, how it can be used for AV development, and how it can be implemented into a roadway maintenance program.

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