

**From:** SAE International [editors@sae.org]  
**Sent:** 4/5/2018 3:43:19 PM  
**To:** Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]  
**Subject:** SAE Vehicle Engineering Technology eNewsletter April 2018

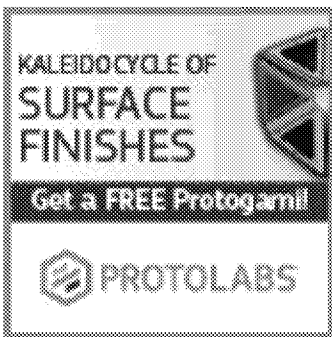


# VEHICLE ENGINEERING TECHNOLOGY ENEWSLETTER

[Subscribe](#) [Web Version](#)

## Lincoln Aviator: new rear-drive platform, plug-in option

Lincoln's all-new Aviator, coming in 2019, is based on an all-new, rear-wheel-drive architecture and underscores the brand's commitment to increasing levels of electrification.  
[Read full story >>](#)



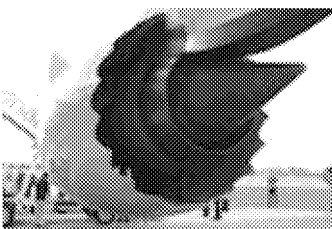
### Protogami

Protogami's three-dimensional flexagons create a continual kaleidocycle that exposes a different set of triangular faces with each turn of its living hinges. It lets product designers and engineers see commonly used materials like ABS, PC and acetal, and how they interact with different surface finishes. Get a free Protogami today!  
[Learn more >>](#)



### GM turns to carbon fiber for 2019 GMC Sierra pickup bed

The battle to create the lightest, strongest pickup cargo bed intensifies yet again, as carbon fiber debuts as the bed material for the 2019 GMC Sierra Denali.  
[Read full story >>](#)



### Rolls-Royce's next move

Over the years, Rolls-Royce has consolidated its lead in comprehensive customer support activities alongside the continuous development of new advanced specification aerospace engines.  
[Read full story >>](#)





### Video: Autonomous Emergency Braking

Watch this short video to see how an autonomous vehicle recognizes a child crossing the street and initiates emergency braking. Scenarios for autonomous driving can be realistically simulated using dSPACE Automotive Simulation Models (ASM).

[View video >>](#)



### **EPA to lighten Obama-era vehicle emissions standards**

The U.S. EPA said that in light of current market conditions and consumer preferences, tough 2022-2025 emissions regulations should be revised.

[Read full story >>](#)

### **'Heavy' topics on tap for WCX18**

As past participants and attendees know full well, WCX is not strictly an automotive event. Propulsion and platooning for heavy vehicles are among the hotter topics for this year's event.

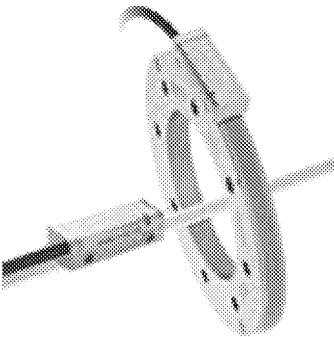
[Read full story >>](#)



### Robust Laser, Optical, and Magnetic Encoders

Renishaw provides high quality optical, magnetic and laser encoders that provide higher accuracy, easier installation, and superior reliability. Discover our range of encoder systems and learn how they can fit into your application needs.

[Learn more >>](#)



### **BAAM gets bigger**

At the end of 2017, contract production company Additive Engineering Solutions took delivery of a second "big area additive manufacturing" (BAAM) machine; the same type of printer that created a single giant tooling component used to secure and stabilize a Boeing 777X composite wing skin for drilling and machining.

[Read full story >>](#)

### **Jaguar, Waymo to partner for automated driving with new I-Pace EV**

Waymo and Jaguar announce a longterm partnership that has enormous implications for automated-development and expansion of the market for electric vehicles.

[Read full story >>](#)

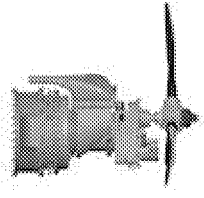


### **Medium, light duty truck markets heat up**

A host of new light- and medium-duty truck rollouts came at this year's NTEA Work Truck show.

[Read the full story >>](#)





## UAV Turbines to tackle 200-hp class UAV engines for U.S. Army

With successes in the 50-shp class gas turbine engine class for unmanned aerial vehicles (UAVs), UAV Turbines has reached an agreement with the U.S. Army's RASPS program to design, manufacture and test a 200 shp class advanced-technology turbine engine.  
[Read the full story >>](#)

---

### WEBCAST ALERTS

ETAS

#### **A Paradigm Shift in C-code Development for Automotive ECUs Sponsored by ETAS Coming on Tuesday, April 17, 2018**

Embedded automotive systems must satisfy increasing levels of safety and security. This Webinar explores an innovative new software design concept that provides remarkably simple ways to address these challenges.  
[Register now >>](#)



#### **Fast, Reliable Anti-Corrosion Coating Analysis with the Phenom XL Desktop Scanning Electron Microscope (SEM) Sponsored by Nanoscience Instruments Coming on Wednesday, April 18, 2018**

In this Webinar, experts examine fast, reliable anti-corrosion coating analysis, including how it aids in the analysis of crystal size and surface coating coverage and provides actionable data for process control. The improved data acquisition aids in the overall quality of automotive parts improving chassis durability.  
[Register Now >>](#)

---

### SPONSORED LINKS

#### **Simulating Traffic and Objects**

By simulating vehicles, traffic, pedestrians, traffic objects and vehicle sensors, you can efficiently develop and validate automated driving systems in a virtual environment.  
[Learn more >>](#)

#### **PENDANT ARMOR® - Stay Protected. Stay Productive.**

Pendant Armor® is the first shock absorbing, chemical resistant bumper designed to protect teach pendants from drops, spills, and extreme conditions.

[View Specs & Get A Quote >>](#)

---

### Products & Services from SAE International®

- **SAE Digital Library is now the NEW SAE MOBILUS™ platform!**  
The SAE MOBILUS platform is the only library that delivers trusted standards and content specific to the mobility industry. Streamline your workflow and see how this tool can change the way you do business.  
[Learn more >>](#)

---

Let the editors know what you think of this Technology eNewsletter by [clicking here](#).

2018 SAE Vehicle Engineering Technology eNewsletter schedule: March, April, May, June, August, September, October and November.

SAE International • 400 Commonwealth Drive • Warrendale, PA 15096-0001 USA

Using the SAE INTERNATIONAL's eNewsletter products, you agree that inquiry information may be sent to only those companies you visit or request more information on. SAE believes you will benefit from this information. If you would like to stop receiving this product, [click here](#) to maintain your preferences.

For details on our commitment to your privacy, [click here](#).

For customer service, email us at [eresponse@techbriefs.com](mailto:eresponse@techbriefs.com) or [customerservice@techbriefs.com](mailto:customerservice@techbriefs.com).

Copyright © 2018 SAE International. All rights reserved.