EMBEDDED INSIDERS PODCAST

Crossing the Wide-Bandgap in the Electric Vehicle Market

In the early 2000s GM stopped their electric car project. They weren’t cool. In comes Tesla who made the electric car a popular concept. But is the cool factor the biggest factor in electric car sales these days? Are electric cars actually better for the environment, and do the majority of buyers really care? Brandon and Rich debate the subject and more in this edition of the embedded insiders.

Tune In

AUTOMOTIVE NETWORKING NEWS

MIPI Alliance Releases A-PHY SerDes Interface for Automotive

MIPI Alliance announced the availability of MIPI A-PHY v1.0, which according to the company is the first industry-standard, long-reach serializer-deserializer (SerDes) physical layer interface.

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AUTONOMOUS VEHICLES NEWS

Siemens and VSI Labs Partner to Advance Autonomous Vehicle Development

Through the partnership, Siemens’ PAVE360 platform will be used to create digital twin simulations for the validation and testing of all processors, electronics, sensors, and systems powering the VSI Labs Capability
AUTOMOTIVE SIGNAL PROCESSING NEWS

TDK Announces New Automotive Noise Suppression Filters for MF and HF Bands

The noise suppression component will be inserted in signal lines for electronic control circuits in automotive applications including car audio, navigation, and battery monitoring systems.

AUTOMOTIVE HARDWARE NEWS

Vishay Intertechnology Automotive Grade DC-Link Film Capacitors Deliver Stable Capacitance and ESR in Harsh Environments

The Vishay Roederstein MKP1848H DC-Link is Vishay’s first series of AEC-Q200 qualified DC-Link film capacitors to withstand temperature humidity bias (THB) testing.

AUTOMOTIVE IMAGING NEWS

OmniVision and GEO Semi Launch Automotive Industry’s First Viewing Camera Solution with 140dB HDR and LED Flicker Mitigation

OmniVision and GEO Semiconductor announced a joint solution to provide quality images for rear-view cameras (RVCs), surround-view systems (SVS), and e-mirrors.

AUTOMOTIVE PROCESSING NEWS

Synopsys and Elektrobit Announce Availability of EB tresos Classic AUTOSAR Software for ARC Functional Safety Processor IP

This version of the EB tresos AUTOSAR software used with the ARC Functional Safety processors provides a hardware-software platform that makes it ideal for automotive semiconductor companies, OEMs, and Tier 1 suppliers to develop software applications based on the AUTOSAR standard.

WEBCAST

Deployed at the Edge: Telemetry and Video Analytics in Industry 4.0

Sponsored by: Intel IoT Solutions Alliance
Date: September 29, 11:00 a.m. ET
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AUTOMOTIVE CYBERSECURITY FEATURE

Secure Flash: The Cure for Insecurity in Connected Automotive Applications

The Subaru 2020 Levorg mid-size touring wagon was made available for pre-order last month and introduced a range of features such as a new 1.8-liter, four-cylinder engine and continuously variable automatic transmission (CVT). But perhaps the most exciting feature is on the safety front, as the car is the
first in the Subaru fleet to contain the company’s next-generation EyeSight ADAS technology.

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*Figure 1 – The dis-integration of eFlash will create the need to somehow extend the Hardware Security Module (HSM) functionality to secure the external Flash.*