

ELECTRIC VEHICLES FEATURE

Driving Toward the Future at ELIV 2019

The ELIV congress recently took place in October 2019 in Bonn, Germany. Over 145 national and international exhibitors showcased innovative drivetrain solutions to over 1,750 attendees. Here, we take a look at eight of them.

[Read more](#)



AUTONOMOUS VEHICLE NEWS

Renesas Joins Autonomous Vehicle Computing Consortium

The Consortium's goal is to accelerate the creation of autonomous vehicle processing architectures that meet the thermal, safety, security, and size requirements of autonomous drive systems.

[Read more](#)

ELECTRIC VEHICLES NEWS

Melexis' Relative Pressure Sensor IC Targets EVAP Systems in ICE and Hybrid Vehicles

Integrating MEMS technology with an analog signal chain and digital signal processing, the MLX90821 is a system-in-package IC solution for the reliable measurement of fuel vapor pressure as low as 50 mbar and up to 700 mbar.

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Maxim MAX20079 Automotive 36V 3.5A Buck Converter

Delivers up to 3.5A with input voltages from +3V to +36V, using only 3.5mA quiescent current at no load, housed in a small package with integrated high-side and low-side switches.

Sponsored by **Mouser Electronics**

AUTOMOTIVE CYBERSECURITY NEWS

NXM Demonstrates Security Platform for Autonomous Vehicles

NXM Labs recently demonstrated its Autonomous Security, which brings crypto agility to PSA Certified Level 1. Autonomous Security is a software-based solution that enables IoT devices, obviously including cars, to manage their own security without any human intervention.

[Read more](#)

AUTOMOTIVE SIGNAL PROCESSING NEWS

ROHM's Noise-Tolerant Comparators Serve Automotive Systems

The EMARMOUR-based devices have superior noise tolerance when used as comparators to determine the threshold value of sensor output signals, ensuring an output voltage fluctuation within ±1% across the entire noise frequency band per the ISO11452-2 standard.

[Read more](#)

AUTOMOTIVE LIGHTING NEWS

STMicro, Audi to Develop Next-Generation Automotive Exterior Lighting

ST contributed a complete plug-and-play system to control and continuously adjust the brightness of the numerous individually energized OLED pixels by means of an innovative high-speed automotive communication layer.

[Read more](#)

V2X NEWS

Samtec's Latest 5G Connectivity Solutions Support V2X Applications

Serving next-generation 5G networks and cloud services, vehicle-to-everything (V2X) technologies and vehicle intelligence, Samtec's automotive solutions include high-performance interconnects engineered to support ultra-high frequencies and high data rates.

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WEBCAST

Jumpstarting Level 5 Autonomous Drive: Development Platforms and Considerations

Sponsored by: **arm, Crystal Group, LDRA, National Instruments**

Date: **November 6, 2:00 p.m. ET**

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EMBEDDED EXECUTIVE PODCAST SERIES

Embedded Executive: Dr. Phil Lessner, Senior VP and CTO, KEMET

The power that's required to charge electric vehicles is quite high. And when you add wireless charging, the issues grow significantly.

But what exactly are those electric vehicle charging issues, and how do we solve them? And why are people afraid to charge their batteries to 199 percent? That's just the beginning of the discussion I had with Dr. Phil Lessner, Senior Vice President and Chief Technology Officer for KEMET in this week's Embedded Executive interview.

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