

ELECTRIC VEHICLES FEATURE

The Impact of Skill Shortages on the Race to Save Our Planet: Saving the World with Every Line of Code

Electronic innovations have provided us with many of the key tools needed to tackle climate change seriously. Renewable energies like wind and solar, depend heavily on advanced electronics in order to create the efficiencies required to make them economically viable alternatives to fossil fuels.

[Read more](#)



AUTOMOTIVE DESIGN FEATURE

The Imperative for Instant-On: Functional Safety in Automotive, Industrial, and Embedded Systems

Instant-On is often touted as an ease-of-use feature. Consumers, as we know, are extremely impatient and want their gadgets to be available immediately. For many applications, however, Instant-On can be a critical system requirement that impacts functional safety.

[Read more](#)

AUTONOMOUS DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

dSPACE Introduces MicroAutoBox, Compact In-Vehicle Prototyping System

dSPACE, a developer of integrated hardware and software tools for electronic control units, announced the release of the MicroAutoBox III.

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The Future of Automotive Interconnects

Molex Transportation Solutions help develop future-ready applications like sophisticated dashboard displays, fully integrated high-speed in-vehicle networks, enhanced safety devices, and high-performance engines and transmissions.

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CONNECTED CARS NEWS

Smart Cars are an IT Architecture on Wheels

Advanced cars with autonomic systems are increasingly becoming computer networks with integrated drives on wheels. Service-oriented architectures (SOA) enable and facilitate the structuring and use of distributed functions in the vehicle.

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AUTONOMOUS VEHICLE TESTING NEWS

Rohde & Schwarz Unveils High-Precision Test Chamber for Next-Generation Automotive Radar

Rohde & Schwarz recently developed the R&S ATS1500C antenna test system, a test chamber for high performance radar testing, offering advanced indirect far-field testing performance.

[Read more](#)

AUTOMOTIVE INDUSTRY NEWS

UTAC Receives Accreditation to Safety-Critical Automotive Quality Standard

UTAC Holdings Ltd., a global semiconductor test and assembly services provider, announced that they have been awarded the automotive-related quality standard ISO26262 for their automotive manufacturing focused facility UTAC Thailand (UTL) in Bangkok.

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AUTONOMOUS CYBERSECURITY NEWS

Parasoft Announces Support for New 2019 CWE Guidelines

Parasoft, an automated software testing company, announced support for the updated 2019 Common Weakness Enumeration (CWE) Top 25 and "On the Cusp" (an additional 15 weaknesses) for C, C++, Java, and .NET languages.

[Read more](#)

AUTONOMOUS POWER ELECTRONICS NEWS

Vishay Intertechnology AC and Pulse Film Capacitors Serve Automotive Applications

Vishay Intertechnology's automotive-grade AC and pulse metallized polypropylene film capacitors for hybrid and electric vehicles offer a maximum operating temperature of +125°C (observing voltage derating).

[Read more](#)

WEBCAST

Empowering Next-Generation Automotive Wireless Systems Using Advanced Test Solutions

Sponsored by: **Anritsu**

Date: **December 12, 2:00 p.m. ET**

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AUTOMOTIVE PROCESSING FEATURE

Scenes From the European Xilinx Developer Forum

Communities and the people that make them up are the foundation of society, from the local neighborhood BBQ club to the G7. Communities gather shared interests, topics, and goals, and foment growth and the creation of the next generation to carry on. The engineering community is no different, and the events held to support and nurture them are an important part of our industry.

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