



FEBRUARY 2018



## Connectivity looks prominent in infotainment's 2018 diary

MAJEED AHMED, AUTOMOTIVE CONTRIBUTOR

After smartphones, cars are becoming the next extension of connected lives, and it's apparent from how connectivity is taking the center-stage in automotive infotainment designs.

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## Identify the differences between safety and security, guard against interactions

ANDREW LONGHURST, WITTENSTEIN

Safety and security share many properties; however, these similarities can be dangerous, and if handled incorrectly can result in the wrong design decisions being made. Understand the differences to ensure the best results.

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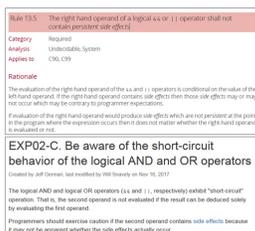
[Extreme Engineering Solutions](#)

## Four reasons to embrace the connected car

NINO TARANTINO, OCTO TELEMATICS

Just like so many technological advancements before it, some uncertainty and fear accompany connected car adoption. Remember moving from phone to fax, fax to email, or even online shopping? Security and value were always questions that arose during those early adoption days. Yet those technologies are now indispensable in our everyday lives ? and connected cars will be, too.

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Excerpt from MISRA C:2012

Excerpt from CERT C

## Developing a safe, secure system: SEI CERT C versus MISRA C:2012 AMD1

MARK PITCHFORD, LDRA

Evidence suggests that for C and C++ developers around 80 percent of software defects are caused by the incorrect use of about 20 percent of the available

language constructs. Restricting the use of these problematic parts of the languages reduces the number of associated defects and hence improves quality.

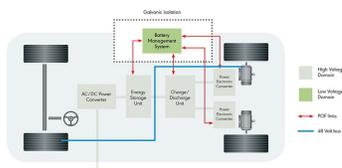
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## Cadence showcases IP and design solutions for automotive applications at embedded world 2018

ECD STAFF

Cadence Design Systems, Inc. will showcase its latest Cadence Tensilica DSPs and design tools targeted for automotive applications at embedded world 2018. The demonstrations will take place in Hall 4/4-116 at the Exhibition Centre in Nuremberg, Germany from February 26 to March 1, 2018

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## KDPOF equips electric cars with optical connectivity

ECD STAFF

KDPOF, a supplier for automotive gigabit connectivity over plastic optical fiber (POF) provide their Automotive Gigabit Ethernet POF (GEPOF) for electric and autonomous driving to solve electrical challenges and interferences of new powertrain architectures.

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## Luxoft to exhibit its entire range of automotive technology services at embedded world 2018

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Luxoft Holding, a global IT service provider, will exhibit its entire suite of automotive technology services at Embedded World 2018 (Hall 4, Stand 371).

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## Texas Instruments at embedded world 2018

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At embedded world 2018, discover TI's Industrial and Automotive portfolios that offer differentiated hardware and software solutions. You will find demos and experts who will help you to connect with SimpleLink MCUs, measure with mmWave sensors, sense with MSP430 MCUs, control with C2000 MCUs, process with Sitara processors, and much more.

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