INTERVIEW

Smart Home Challenges in 2019: What to Expect

INTERVIEW WITH AVI BAREL, DIRECTOR OF BUSINESS DEVELOPMENT, ULE ALLIANCE

The smart home market has been seemingly poised for takeoff for decades. As we approach 2019, Avi Barel, Director of Business Development at the ULE Alliance, gives his perspective on what's working, what's not working, and what to expect in the connected home technologies of the future.

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BLOG

RISC-V: Too Open to Fail

BRANDON LEWIS, EDITOR-IN-CHIEF

Open-source RISC initiatives have, for the most part, failed to live up to expectations. OpenRISC, for example, introduced an ISA and architectural description for a family of 32- and 64-bit processors in 2000, but that resulted in only one implementation and limited adoption outside of academic circles. Another RISC-based open-source hardware project, OpenSPARC, has also had limited commercial success.

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BLOG

Why the U.S. is Falling Behind in AI and Autonomous Drive Tech, Part 1
Embedded Computing Design recently conducted targeted industry research on the prevalence of machine learning and artificial intelligence in the development community. Much to our surprise, more than 75 percent of the respondents are already researching or using AI in one capacity or another.

BLOG

**Everyday Life, Enhanced With Artificial Intelligence and Machine Learning**

ROBERT HAAG, CRYSTAL GROUP INC.

Artificial intelligence and machine learning are reshaping the way we live through the advent of automated and autonomous vehicles, smart cities, smart factories and much more. Modern technologies are enabling increased automation across multiple markets with the help of rugged, robust, reliable systems from Crystal Group.

NEWS

**Avnet and Newark element14 Join Forces on SmartEdge Agile with AI and Security at the Edge**

LAURA DOLAN, TECHNOLOGY EDITOR

Newark element14 and Avnet, along with Octonion and ST Microelectronics, have developed SmartEdge Agile, a low power, IoT ready-to-use device. It has nine sensors and can implement artificial intelligence (AI) at the edge via an easy-to-use, zero-code interface.

NEWS

**Keysight Technologies? Entry-Level Oscilloscopes are Professional Grade**

LAURA DOLAN, TECHNOLOGY EDITOR

Keysight Technologies, Inc. released the 200 MHz, 4-channel models of the InfiniiVision 1000 X-Series oscilloscopes that include 4-wire Serial Peripheral Interface (SPI) decode and remote connection via local area networks (LANs).
PODCAST

Five Minutes With?Mahendra Tailor, Technology Leader, Laird Connectivity

EMBEDDED COMPUTING DESIGN

The Bluetooth Mesh prhas a huge upside in my opinion. But when is it going to be ready for prime time? Or is it already? And what about competitive media, like ZigBee or Wi-Fi? These are just some of the questions I threw at Mahendra Tailor, a Technology Leader at Laird Connectivity in this week?s Five Minutes with? discussion.

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Extreme Engineering Solutions (X-ES)

Extreme Engineering Solutions? XPedite7683 is an Intel? Xeon? D-1500 Processor-Based 3U VPX Module with 32 GB of DDR4, XMC Support, and SecureCOTS?

Annapolis Micro Systems, Inc.

Up to 128 TB Data Storage for OpenVPX

Microchip Technology, Inc.


You have so many choices to make when selecting the right microcontroller (MCU) and development resources for your embedded applications. Sometimes the options can seem overwhelming, especially when you are under pressure to bring your latest product to market ahead of the competition and meet challenging cost constraints.

ANSYS

Qualified Code Generation Greatly Reduces Cost of Safety-Critical Automotive Software

As automobile electronics become more prevalent and sophisticated, ensuring the reliability of the embedded software is becoming more critical. qualified code generation is a powerful tool that can help reduce the cost and complexity of developing reliable automotive software.
software code within those systems becomes critical to the safety of passengers and pedestrians.

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