The TALQ Consortium Presents an Integrated Ecosystem for Smart Cities

The TALQ Consortium aims to establish a globally-accepted standard for managing software interfaces that configure, command, control, and monitor heterogeneous outdoor device networks.

Read more

GLOBALFOUNDRIES Sues TSMC in the U.S. and Germany

GLOBALFOUNDRIES (GF) filed multiple lawsuits in the U.S. and Germany alleging that semiconductor manufacturing technologies used by Taiwan Semiconductor Manufacturing Company (TSMC) infringe 16 GF patents.

Read more

Ferdinand-Braun-Institut Researchers Create Gallium Oxide Power Transistors with Record Values
The Ferdinand-Braun-Institut (FBH) recently announced a breakthrough with transistors based on gallium oxide (\(\alpha\)-Ga2O3). The \(\alpha\)-Ga2O3-MOSFETs provide a high breakdown voltage as well as high current conductivity, while offering a breakdown voltage of 1.8 kilovolts and a power figure of merit of 155 megawatts per square centimeter.

**DEVELOPMENT TOOLS & OS NEWS**

**SEGGER Announces Full Support for Flash-Based RISC-V Microcontroller**

SEGGER announced full support for the flash-based RISC-V microcontroller introduced by GigaDevice Semiconductor.

**AUTOMOTIVE SECURITY NEWS**

**ELTEC Elektronik Allows Secure Browsing in Automotive Applications**

ELTEC Elektronik has supplemented its family of wireless LTE routers with the CyBox RT 2-A, which combines a wireless router, access point and integrated switch in a small, albeit robust, frame.

**POWER CONVERTER NEWS**

**ABSOPULSE?S Liquid-Cooled DC-DC Converter Delivers up to 2000W**

ABSOPULSE Electronics? LQC 2K-3U2LC liquid cooled, industrial DC-DC converter can deliver up to 2000W from an input of 600Vdc (400Vdc to 800Vdc range) with a 24Vdc/80A output.

**AUTOMOTIVE NEWS**

**AIWAYS U5 Prototypes Enter Europe**

AIWAYS? U5 battery-electric SUVs have made their way into Europe for the first time, specifically Finland. It is the latest phase of AIWAYS? 8,843-mile prototype engineering drive from China to Western Europe.

**WEBCAST**

**Panel Discussion: Security in the 5G Era**

Sponsored by: Lanier, Telit, Wind River

Date: September 4, 2:00 p.m. ET

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**EMBEDDED INSIDERS PODCAST**

**The Expansion of Wide-Bandgap**

In this episode the Embedded Insiders welcome Peter Rogerson of Power Integrations, who talks about the company?S migration from silicon-based switching materials to wide-bandgap semiconductors, specifically Gallium Nitride. Does the move underscore another step in the expansion of the wide-bandgap marketplace, or is it just another product portfolio from one of the industry's biggest power electronics players? Tune in to find out.