Wednesday 10/2

HEALTHCARE SENSING FEATURE

Applying Machine Learning to Mobile Devices

In order to use trained models on devices other than the most powerful ones, Google introduced its TensorFlow Lite framework. To work with it, you need to train a model built using the TensorFlow framework (not Lite!) and then convert it to the TensorFlow Lite format. After that, the model can be easily used on embedded or mobile devices.

In this article, we will describe all the steps for running a model on Android.
Read more

HARDWARE INTERFACING NEWS

MIPI CSI-2 v3.0 Enhances Imaging, Reduces Cabling for Embedded Systems Designers

The MIPI Alliance has updated its Camera Serial Interface-2 (CSI-2) specification with Unified Serial Link (USL), Smart Region of Interest (SROI), and RAW-24 features.

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IoT DEVELOPMENT NEWS

ITTIA, Cypress Collaborate on Embedded SQL Database for Wireless MCUs

The integrated offering helps decentralize data capture, management, and analysis, as dynamic concurrent queries of flash memory can be performed on multiple devices over a Wi-Fi connection.

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DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

T?V S?D Functional Safety Certifies IAR Embedded Workbench for 8-bit ST MCUs

A safety report from T?V S?D, a functional safety certificate, a Safety Manual, and quality assurance measures ensure that engineers working with STM8 MCUs can develop their embedded software without needing additional tool qualifications.

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POWER ELECTRONICS NEWS

Murata?s Innovative Transformer Targets High Power, High Frequency Applications

Murata?s pdqb winding technology enables operation up to around 400 kW that can operate at frequencies as high as 50 kHz.

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EMBEDDED EXECUTIVE PODCAST

Embedded Executive: Tom Yates, VP, Nubix

Analytics is the key to having a successful IoT platform, particularly in the industrial space. However, analytics doesn?t seem to have the focus in the development community that it should. Why is that so? That?s what I asked Tom Yates, Vice President of Products at Nubix, who deals with this topic on a daily basis.

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