

EMBEDDED INSIDERS PODCAST

Embedded Insiders: Defining Digital Twins

In this edition of the embedded insiders, Brandon and Rich discuss how digital twins that reflect physical IoT systems can not only record the status of real-world devices, but simulate how the device could react under certain conditions in the future. And, how these twins can also potentially be used to help inform future designs.

[Read more](#)



AI DEVELOPMENT TOOLS NEWS

AI Model Training & Execution Now Possible on MCUs via ONE Tech MicroAI Atom

ONE Tech estimates that MicroAI Atom algorithms, which run recursive

analysis and reside directly on target machines at the edge, reduce the cost of deploying endpoint intelligence by a minimum of 80 percent.

[Read more](#)

AI INDUSTRY NEWS

PFU Joins Qualcomm Smart Cities Accelerator Program and Collaborates with Innominds on Contactless Facial Biometric Tech

Innominds has experience in wireless, 5G, and AI technologies. Innominds also builds smart and safe contactless technology solutions leveraging AI and ML, and computer vision technologies to enable an intelligent contactless ecosystem.

[Read more](#)

AI EDGE PROCESSING NEWS

AAEON Releases the BOXER-8251AI AI Edge Box PC

The BOXER-8251AI features a six-core 64-bit ARM processor, 384 CUDA cores, 48 tensor cores, and two NVIDIA engines for running multiple neural networks in parallel. All in all, these features combined deliver computing performance of up to 21 TOPS.

[Read more](#)

INDUSTRY FEATURE

5 People to Follow in Tethics (Tech Ethics)

From deepfakes and repression of dissent to online harassment and facial recognition software, the decisions we make about technology have broad and lasting consequences. It's important for everyone working in tech to have an understanding of the power and potential, for good and bad, of their work.

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AI DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

Applitools Adds AI Auto-Maintenance and Smart Assist to End-to-End Testing Platform

Applitools announced new AI capabilities for its end-to-end automated testing platform. Auto-maintenance AI leverages the power of Applitools' Visual AI technology for ideal test maintenance efficiency through virtual assistant

recommendations.

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AI MODEL TRAINING NEWS

Continental Puts Its Own Supercomputer for Vehicle AI System Training, Powered by NVIDIA DGX, Into Operation

Continental has invested in setting up its own supercomputer for Artificial Intelligence (AI), powered by NVIDIA InfiniBand-connected DGX systems, offering computing power as well as storage to developers in locations worldwide.

[Read more](#)

AI DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

RTI Joins the Baidu Apollo Autonomous Driving Partner Ecosystem

Real-Time Innovations (RTI) announced it has joined the Baidu Apollo autonomous driving partner ecosystem. Apollo is Baidu's open-source full-stack software solution for driverless vehicles.

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WEBCAST

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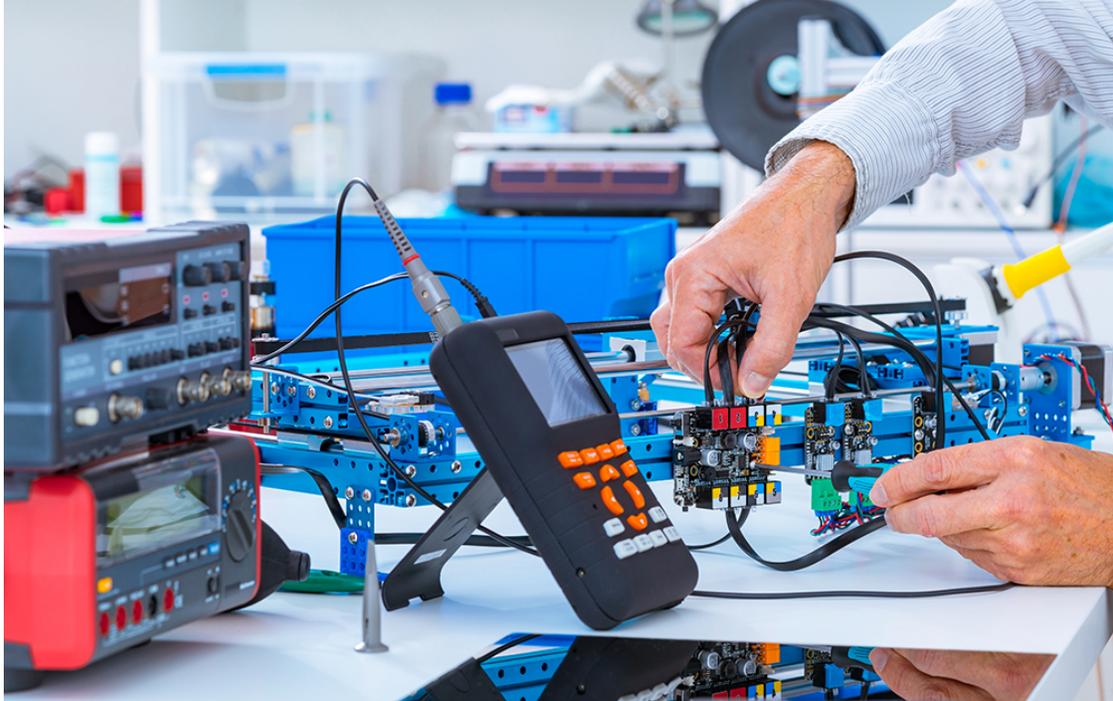
DATA ACQUISITION FEATURE

Common Blind Spots in Data Acquisition System Design

We asked Mark Bingeman of Nuvaton Engineering, "If you were going to give product development advice to someone looking to avoid avoidable issues during their data acquisition system designs, what would it be?"

This "Blind Spots" article will put a few of these under a magnifying glass and provide some considerations that should be included early on in engineering planning.

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