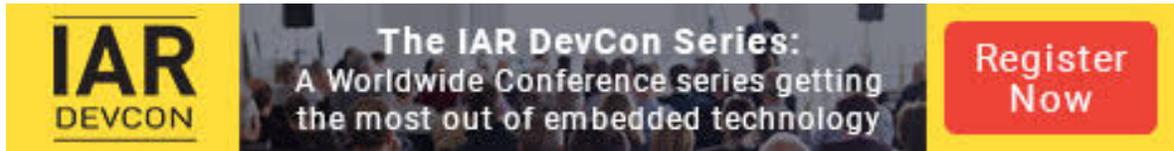


APRIL 2018



IAR DevCon Series kicks off in San Jose

OPENSYSYSTEMS MEDIA

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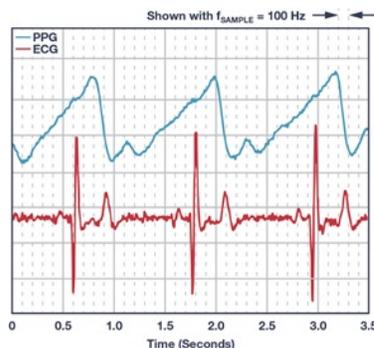


IAR Systems AB launches global DevCon series at Embedded World 2018

RICH NASS

Rory Dear talks with Stefan Skarin (CEO) as OSM and IAR Systems AB formally launch the IAR Global DevCon Tour at Embedded World.

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From fitness trackers to heart monitors, the IoMT is coming

RUDY RAMOS, MOUSER ELECTRONICS

Thanks to developments in integrated electronics and embedded software, ECGs are becoming available for use outside of hospitals and even by non-medical people. This signals a change in the way we approach healthcare, by making it simpler for concerned consumers to monitor their bodies, using equipment that can be seen as "medical-grade."

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T?V certification is shifting the automotive landscape

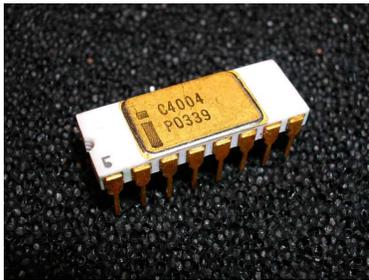
MAJEED AHMAD, CONTRIBUTING EDITOR

The automotive electronics is shifting its emphasis from quality to safety. The increasing importance of the ISO 26262 standard is a testament to this sea change.

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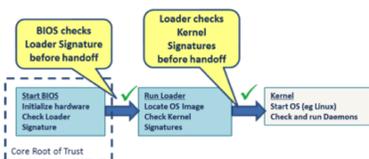


A brief history of embedded software development

COLIN WALLS, MENTOR GRAPHICS, A SIEMENS COMPANY

We're approaching the 50th anniversary of the invention of the microprocessor, quite a milestone for a technology that touches everyone's lives every day. We've come a long way in those 50 years.

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Protecting routers and other network equipment

STEVEN HANNA, TRUSTED COMPUTING GROUP

Protecting IoT devices, routers, and other networked systems against compromise is a serious challenge for service providers, enterprises, consumers, and others. Historically, attacks have been very difficult to mitigate. Fortunately, significant improvements are now being made.

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Embedded World attendees excited by PICMG technologies

JUSTIN MOLL, PICMG

PICMG, an embedded computing specification development organization, had its largest presence at Embedded World to date this year. Attendees from the



Open Modular Computing Specifications

industrial, IoT, transportation, and defense markets came to our booth to check out technologies and specifications from our 23 members.

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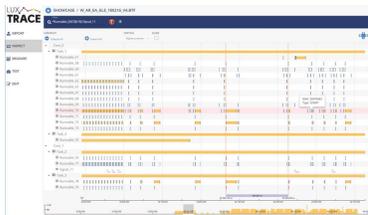
Article Image

Nordic's nRF52840 brings Bluetooth 5, Bluetooth mesh, multiprotocol wireless support to IoT developers

BRANDON LEWIS

In addition to being Bluetooth 5-certified, the multi-protocol SoC supports Bluetooth mesh, Thread, 802.15.4, ANT, and 2.4GHz proprietary protocols.

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Luxoft LuxTrace delivers 10x improvement in automotive trace timing analysis

BRANDON LEWIS

LuxTrace allows engineers to visualize system timing and formulate their requirements using test case-centric representations. The Python-based tool can be integrated into continuous integration workflows and automatically test complex timing requirements, with a database-backed repository for housing trace data.

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congatec releases COM Express Computer-on-Modules with 8th Gen Intel



Xeon and Intel Core processors

ECD STAFF

congatec has introduced its new cong-a-TS370 COM Express Type 6 Computer-on-Modules in parallel with the launch of the 8th Generation Embedded Intel Xeon and Intel Core processors (codename Coffee Lake H).

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CEA shows path to creating building blocks of quantum processors with ^{28}Si isotope in a CMOS fab line

ECD STAFF

CEA-Leti demonstrated on a 300 mm pre-industrial platform a new level of isotopic purification in a film deposited by chemical vapor deposition. This enables creating qubits in thin layers of silicon using a very high purity silicon isotope, ^{28}Si , which produces a crystalline quality comparable to thin films usually made of natural silicon.

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