

EMBEDDED EXECUTIVES PODCAST

Embedded Executive: Rory Dear, Managing Director, Datasound Laboratories (DSL)

One executive that's seen just about every situation a developer might encounter is Rory Dear, the Managing Director of DSL. As such, I ran through a litany of issues with Rory, getting his opinion on everything from NRE to open source.

[Tune in](#)



IoT SECURITY BLOG

End-to-End IoT Security: From Legislation to IP Protection to Secure Boot

Why do less than four percent of IoT devices implement the security measures necessary to protect an organization's IP and customers from local or network-borne threats?

[Read more](#)

EMBEDDED NETWORKING NEWS

CAN FD Light: A ?Handler/Dog? Protocol

The ?handler? node implements the CAN FD protocol and sends 11-bit identifier FD frames. The ?dog? nodes transmit data frames in FBFF (FD base frame format) only on request of the ?handler? node.

[Read more](#)

IoT NETWORKING NEWS

SWAN Forum, LoRa Alliance Partner to Expanded Network Coverage and IoT Adoption in Water Sector

The Smart Water Networks Forum (SWAN) and the LoRa Alliance have formed a partnership to advance data-driven solutions with water networks, and drive adoption of the LoRaWAN? open standard in the water metering sector.

[Read more](#)

IP DEVELOPMENT TOOLS NEWS

Mentor Announces Enhancements to Analog FastSPICE Platform

The new technology was produced to boost simulation performance while maintaining foundry-certified accuracy that is required for nanometer-scale analog verification.

[Read more](#)

DEVELOPMENT TOOLS NEWS

BlueNRG-2 Development Kit from STMicroelectronics Reveals Bluetooth 5.0 Performance and Efficiency

The STMicroelectronics STEVAL-IDB008V1M Bluetooth Low Energy 5.0 (BLE) evaluation platform is designed to accelerate application development with modules, featuring BlueNRG-2, the company's second-generation BLE System-on-Chip (SoC).

[Read more](#)

DEVELOPMENT TOOLS NEWS

RS Components Upgrades DesignSpark Mechanical 3D CAD Modeling Software

Developed in conjunction with Ansys Inc., DesignSpark Mechanical uses direct modeling technology rather than the parametric methods used by traditional CAD software, enabling users to prototype or reverse engineer any physical object.

[Read more](#)

AUTOMOTIVE PROCESSING NEWS

Imagination Announces XS, an Advanced GPU IP for the Automotive Industry

Imagination Technologies announced the XS GPU product family for automotive, enabling ADAS acceleration and safety-critical graphics workloads.

[Read more](#)

TEST & MEASUREMENT NEWS

Rohde & Schwarz Presents Economy Vector Signal Generator for Automotive, IoT, and Education Sectors

The R&S SMCV100B uses an advanced direct RF concept to generate output signals for frequencies up to 2.5 GHz. This allows I/Q modulation and RF signal generation to be performed in the digital domain, virtually eliminating the I/Q imbalance errors and LO leakage commonly seen with conventional analog I/Q modulators. An analog mixing concept is used to generate frequencies above 2.5 GHz.

[Read more](#)

DEVELOPMENT KITS NEWS

Open-Source Reference Board to Accelerate Medical Ventilator Design

Trinamic's reference design board includes a Hall sensor interface and connectors for an optional pressure sensor add-on board. As a result, pressure

data can be visualized on a Raspberry Pi with touch screen using the free firmware developed by Trinamic for the reference design board.

[Read more](#)

MERGERS & ACQUISITIONS NEWS

SECO Acquires Ispirata, Start-Up That Develops Data Orchestration Software

With the acquisition of Ispirata, SECO will be able to make data gathered on its edge computing systems available and useable in the cloud.

[Read more](#)

EMBEDDED HARDWARE NEWS

High-Performance Multimedia Single Board Computer with NXP i.MX 8M CPU from F&S Elektronik

F&S Elektronik Systeme has placed the multimedia CPU i.MX 8M from NXP (4x ARM Cortex-A53 (64 Bit) with 1.5GHz & Cortex-M4 CPU) on the new Single Board Computer (SBC), armStone MX8M (PicoITX format).

[Read more](#)

DEVELOPMENT TOOLS NEWS

AccelerComm Release Chanel Coding Software with Zynq UltraScale+? RFSoc devices

AccelerComm announced the release of its Channel Coding software with the Zynq UltraScale+? RFSoc devices from Xilinx.

[Read more](#)

STORAGE NEWS

Logit Improves Platform Speed Between 5x to 10x With NVMe Disk Upgrade

Log management and analysis platform, Logit, has announced that their improved NVMe (Non-Volatile Memory Express) SSDs backed infrastructure is in place for all Elastic Stacks hosted on the platform.

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WEBCAST

Dealing with Security-Related Legislation Issues

Sponsored by: **IAR Systems**

Date: **August 5, 11:00 am ET**

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DEVELOPMENT TOOLS AND OPERATING SYSTEMS NEWS

IAR Systems Launches Support for Flagship Renesas MCUs

IAR Systems released new versions of its C-Trust security development tool and its Security from Inception Suite. This extends device support with MCUs from Renesas Electronics, addressing security requirements for embedded applications.

[Read more](#)

IoT SECURITY FEATURE

How to Build a Business Bedrock for the Age of

Industry 4.0

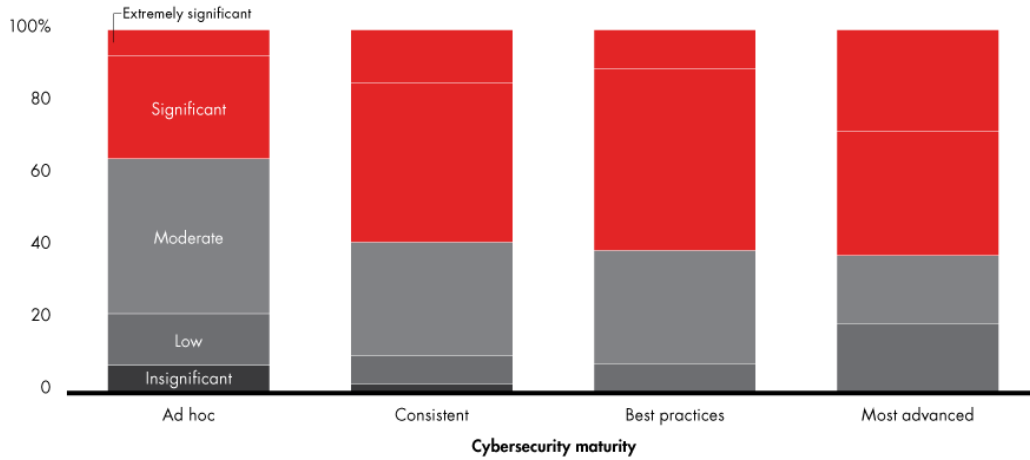
For all the awareness of hacks like those on the Norsk Hydro Aluminum Plant and vulnerabilities in Philips Hue lightbulbs, and despite the spotlight often being on security, its role is not fully understood, nor is its function as the bedrock upon which innovation in the IoT era depends.

[Read More](#)

Figure 4

Companies with high levels of cybersecurity maturity are more attentive to IoT risks

Percentage of respondents' level of concern with IoT cybersecurity risk



Note: Cybersecurity capability maturity measures an organization's progress toward ever more sophisticated and advanced cybersecurity skills and practices
Source: Bain 2017 IoT enterprise cybersecurity survey (n=280)

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