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IoT Security Startups to get IAR Fund

IAR Systems Group has created a dedicated fund to invest in and incubate internet of things (IoT) security startups, committing \$2 million a year over three years, initially. This will be done through a new business incubator called Ymir, located in Stockholm.

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India Smartphone Market Defies Global Decline

With an ever-persistent global trade war and macroeconomic uncertainty, perhaps the continued decline in global smartphone sales doesn't come as a surprise. Despite this adversity, the Indian smartphone market shipped a record 142.3 million units in 2018, a startlingly healthy 19.5% annual growth.

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MIPS' Rising Stature Challenging RISC-V?

When Wave Computing acquired MIPS, "going open source" was the plan Wave's CEO Derek Meyer had in mind. But Meyer, a long-time MIPS veteran, couldn't casually mention his plan then. Wave was hardly ready with the solid infrastructure it needed to support a legion of hardware developers interested in coming to the MIPS open-source community.

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TALK TO US



Brutal cull awaits China's EV battery makers as support ends

Only top electric-vehicle battery makers like Contemporary Amperex Technology, CATL and BYD are expected to be left standing when the Chinese government next year ends the generous subsidies that have helped foster a domestic industry and kept less nimble producers afloat.

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5G Chips, Phones Dial Up Power

SAN FRANCISCO — Engineers from Intel, Mediatek, and Samsung described challenges with 5G — especially with power consumption for millimeter wave bands — in talks at the International Solid-State Circuits Conference

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IoT Security Startups To get IAR Fund

LONDON — IAR Systems Group has created a dedicated fund to invest in and incubate internet of things (IoT) security startups, committing \$2 million a year over three years, initially. This will be done through a new business incubator called Ymir, located in Stockholm.

The IoT market, which could grow to 27 billion connections in 2025 according to Machina Research, faces significant security challenges, enabling attacks such as IP theft, counterfeiting and overproduction, as well as data theft and potentially life-threatening sabotage. Despite these threats, only 4% of products have security designed in, according to ABI Research.

Hence with security increasingly becoming a concern for developers of electronics products, a large number of startups are emerging with innovative solutions for simplified and strengthened security implementation.

India Smartphone Market Defies Global Decline

With an ever-persistent global trade war and macroeconomic uncertainty, perhaps the continued decline in global smartphone sales doesn't come as a surprise. Despite this adversity, the Indian smartphone market shipped a record 142.3 million units in 2018, a startlingly healthy 19.5% annual growth. Success has primarily been attributed to multiple rounds of sales by e-tailers beyond the festive Diwali period lasting into December.

"Amongst the big highlights of 2018 were the online-focused brands that drove the share of the online channel to an all-time high of 38.4% in 2018 and a whopping 42.2% in 2018 Q4" Upasana Joshi, Associate Research Manager, Client Devices, IDC India.

MIPS' Rising Stature Challenging RISC-V?

When Wave Computing acquired MIPS, "going open source" was the plan Wave's CEO Derek Meyer had in mind. But Meyer, a long-time MIPS veteran, couldn't casually mention his plan then. Wave was hardly ready with the solid infrastructure it needed to support a legion of hardware developers interested in coming to the MIPS open-source community.

To say "go open source" is easy. Pulling it off has meant a huge shift from MIPS, long accustomed to the traditional IP licensing business.

Wave's first step was hiring Art Swift as president of its MIPS licensing business. Swift fit the bill as someone who knows the best of both worlds — old (traditional IP for licensing) and new (open source). Swift had served as vice-chair of the RISC-V Foundation's Marketing Committee and was vice president of marketing and business development at MIPS Technologies from 2008 to 2011.

Brutal Cull Awaits China's EV Battery Makers As Support Ends

Only top electric-vehicle battery makers like Contemporary Amperex Technology, CATL and BYD are expected to be left standing when the Chinese government next year ends the generous subsidies that have helped foster a domestic industry and kept less nimble producers afloat.

China has poured more than \$10bn into the EV battery industry since around 2012, giving rise to several hundred manufacturers. But that support is scheduled to end in 2020 as part of a phase-out that began in 2017 as Beijing seeks to encourage companies to cut costs and become more *competitive*. One expert says of the 90 manufacturers operating in 2018, only 20 or so will survive.

5g Chips, Phones Dial Up Power

SAN FRANCISCO — Engineers from Intel, Mediatek, and Samsung described challenges with 5G — especially with power consumption for millimeter wave bands — in talks at the International Solid-State Circuits Conference.

Their presentations here came as the South Korean giant announced its first 5G handset just down the street. The Galaxy S10 5G gave credence to the engineers' concerns, debuting without a release date or price in an extra-large case with a powerful battery and its MicroSD slot stripped out.

"Millimeter-wave front ends will likely burn multiple watts — I don't even want to buy the first 5G mmwave phased-array handset," Benjamin Jann, a cellular RF engineer told EE Times after presenting a paper on the company's first 5G transceiver.