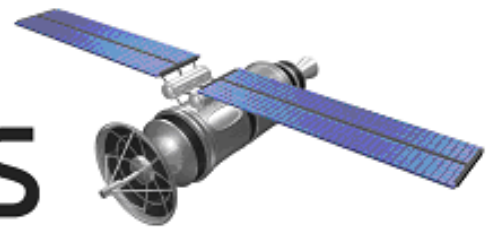


# FutureHorizons



The Global Semiconductor Industry Analysts

## FH MONDAY

5 October 2020

Spin Partners with ARM, Applied in MRAM Manufacturing

TAIPEI — Spin Memory has partnered with ARM and Applied Materials to start making what the Fremont, California-based startup expects to become the first MRAM to win broad adoption in military, automotive and medical equipment.

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Qualcomm Adds New 5G Mobile Platform to Snapdragon 7-Series

Qualcomm Technologies, Inc. announced a new 5G mobile platform in the 7-series, the Qualcomm® Snapdragon™ 750G 5G Mobile Platform, which enables truly global 5G with brilliant HDR gaming and amazing on-device AI.

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Analog becomes smart

Munich, Germany, and Graz, Austria – 23 September 2020 – More and more people around the world are paying contactless because it's easy, fast and hygienic. Especially in the wake of the Corona pandemic, the acceptance and spread of the technology has accelerated significantly. In addition to ATM or credit cards, so-called wearables are also in high demand.

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TALK TO US



Silicon Labs Adds Secured Bluetooth Low Energy Modules

Silicon Labs has formalized its new BGM220x module with a size of only 6x6 mm. BGM220 is an embedded solution that comes with a fully upgradeable software stack, which has been pre-certified worldwide, and firmware support to accelerate time-to-market.

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### EVENTS

[Silicon Chip Industry Seminar](#)

-9 November 2020- London UK

[Industry Forecast Briefing](#)

- 12 January 2021- London UK

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Germany Taking the Autobahn to Autonomy

Germany is angling to leapfrog the world with legislation to permit self-driving vehicles on the road. If you believe that Europe, unlike the United States, has been late to the autonomous vehicle (AV) party, it's time to think again. Germany is currently drafting the proposed regulations.

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## **Spin Partners with ARM, Applied in MRAM Manufacturing**

TAIPEI — Spin Memory has partnered with ARM and Applied Materials to start making what the Fremont, California-based startup expects to become the first MRAM to win broad adoption in military, automotive and medical equipment.

The eight-year-old company recently closed its series-D round of funding from existing financial and strategic partners that include ARM and Applied Materials, according to Spin CEO Tom Sparkman. The company has built in the United States what is probably the world's only dedicated MRAM fab and aims to tap trade-war subsidies from the US government in the near future, he said.

"We're the only US-based MRAM company that can make second-generation MRAM," Sparkman said in an interview with EE Times. "We can make very small quantities, at least enough for the military."

## **Qualcomm Adds New 5G Mobile Platform to Snapdragon 7-Series**

Qualcomm Technologies, Inc. announced a new 5G mobile platform in the 7-series, the Qualcomm® Snapdragon™ 750G 5G Mobile Platform, which enables truly global 5G with brilliant HDR gaming and amazing on-device AI. To date, there have been more than 275 designs announced or in development based on Snapdragon 7-series mobile platforms, including 140 5G designs.

"We continue to see great traction with our high-tier Snapdragon 7-series 5G mobile platforms," said Kedar Kondap, vice president of product management, Qualcomm Technologies, Inc. "As we continue to build out this relatively new tier of our mobile roadmap, we're always looking for ways to support the growing needs of our OEM customers. Snapdragon 750G delivers a selection of premium mobile features to an even wider audience."

## **Analog Becomes Smart: Sapphire Crystal With Payment Chip From Infineon Turns Every Watch Into A Contactless Payment Device**

Munich, Germany, and Graz, Austria – 23 September 2020 – More and more people around the world are paying contactless because it's easy, fast and hygienic. Especially in the wake of the Corona pandemic, the acceptance and spread of the technology has accelerated significantly. In addition to ATM or credit cards, so-called wearables are also in high demand. For the first time, it is now possible to equip traditional wristwatches or luxury models made of metal with the contactless payment function. The Swiss company Winwatch integrates tiny security chips from Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) almost invisibly into its patented sapphire crystal STISS® for this purpose. The chip enables fast and secured payment transactions by radio frequency within milliseconds.

"A fast and robust connection from the watch to the reader at the checkout is crucial for customer acceptance," says Alex Kalbermatten, CEO of Winwatch. "Infineon surpasses all other solutions currently available on the market in terms of wireless quality. For example, by integrating the contactless chip we were able to develop a sapphire crystal that turns every watch - from mechanical heirlooms to metal sports watches - into a contactless payment device. And all of this without a battery."

## **Silicon Labs Adds Secured Bluetooth Low Energy Modules**

Silicon Labs has formalized its new BGM220x module with a size of only 6x6 mm. BGM220 is an embedded solution that comes with a fully upgradeable software stack, which has been pre-certified worldwide, and firmware support to accelerate time-to-market.

The module supports Bluetooth Low Energy (BLE) 5.1, 5.2, and Mesh, and is compact with very low power consumption to optimize battery life. The new module allows device manufacturers to add security with pre-certified Bluetooth functionality to their microcontroller units (MCUs) with built-in security features, including root of trust.

## **Germany Taking the Autobahn to Autonomy**

Germany is angling to leapfrog the world with legislation to permit self-driving vehicles on the road. If you believe that Europe, unlike the United States, has been late to the autonomous vehicle (AV) party, it's time to think again. Germany is currently drafting the proposed regulations.

Given that AV testing is currently very restrictive in Germany, most global automakers choose the United States or China as testbeds for this work. Being first with a rigorous regulatory framework covering AVs could entice automakers to move operations from the US or China to Germany.

Further, regulations, once put in place, would also give confidence to carmakers that AV development wouldn't be stuck in a state of science projects forever. Of course, the places where companies congregate sometimes become technology hubs; Germany certainly hopes that will happen with AVs.