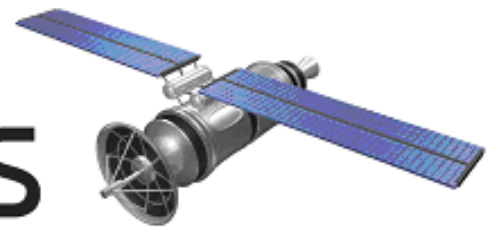


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The Global Semiconductor Industry Analysts

FH MONDAY

20 September 2021

Xilinx Expands Versal Family to Mil-Aero Apps

Xilinx Inc. is expanding the market reach of its Versal family based on its adaptive compute acceleration platform, or ACAP, to include aerospace and military-grade devices that bring AI and machine learning capabilities to satellites and defense.

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ST Acquires Simulation Tool Specialist Wisebatt

STMicroelectronics has moved beyond the traditional press release and notified on LinkedIn it is "excited to have a new team of brilliant developers join ST from Wisebatt". Contacted by EE Times Europe, Wilfried Dron, co-founder and CEO of Wisebatt, confirmed the acquisition, but did not disclose the financial terms of the deal.

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Wirepas to Develop First Non-Cellular 5G Technology

Finland-based Wirepas has received €10 million in funding to develop and bring to market the first technology solutions for non-cellular 5G based on the new DECT-2020 NR wireless connectivity standard announced by ETSI in October 2020.

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TALK TO US



5G Transition Drives IoT Security Market

The seemingly endless series of network security breaches is likely to grow worse as more smart devices are linked via the Internet of Things. Those evolving threats are expected to drive the market for IoT security services to new heights by mid-decade.

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Startup Seeks to Enable Pulsed Fusion

Development of new fusion energy schemes now includes a U.K. effort that uses high-compression inertial confinement to generate power via the fusing of atoms. First Light Fusion finalized the construction of the £1.1 million "Big Gun" fusion device in May and has since successfully completed the testing and commissioning phase.

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Xilinx Expands Versal Family to Mil-Aero Apps

Xilinx Inc. is expanding the market reach of its Versal family based on its adaptive compute acceleration platform, or ACAP, to include aerospace and military-grade devices that bring AI and machine learning capabilities to satellites and defense.

San Jose-based Xilinx has been steadily expanding its FPGA offerings, including last year's release of a Versal ACAP series aimed at cloud and telecommunications network infrastructure deployments. Those devices offer a tripling of bandwidth and a doubling of computing density compared to its previous generation of FPGAs, primarily for accelerating data center workloads.

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Analyzing the motives of the acquisition, Dron told us it meets "Wisebatt's desire to continue to increase the reach of its products and ST's desire to expand its simulation solution offering."

Wisebatt was founded by Wilfried Dron and Marion Blatter in 2016 and its technology is based on more than 10 years of scientific research at the Computer Science Laboratory of Sorbonne University (LIP6 – Paris

Wirepas Receives €10m to Develop First Non-Cellular 5G Technology

Finland-based Wirepas has received €10 million in funding to develop and bring to market the first technology solutions for non-cellular 5G based on the new DECT-2020 NR wireless connectivity standard announced by ETSI in October 2020.

Established in 2010 and focused on internet of things (IoT) connectivity, Wirepas announced in May 2020 it had developed the world's first purpose-built non-cellular 5G technology, challenging the cellular monopoly with an infrastructure-less and autonomous technology operating on a free global 1.9GHz spectrum. The new standard lets any enterprise set up and manage its own network autonomously with no operators anywhere in the world.

5G Transition Drives IoT Security Market

The seemingly endless series of network security breaches is likely to grow worse as more smart devices are linked via the Internet of Things. Those evolving threats are expected to drive the market for IoT security services to new heights by mid-decade.

New York-based ABI Research estimates more than 3 billion IoT cellular connections by 2026, initially via 4G and low-power, wide-area networks. That in turn is expected to fuel demand for IoT security defenses in the range of \$8 billion by 2026 as more 5G networks are deployed, many driven by IoT and other edge computing rollouts.

Startup Seeks to Enable Pulsed Fusion

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First Light Fusion finalized the construction of the £1.1 million "Big Gun" fusion device in May and has since successfully completed the testing and commissioning phase. At 22 meters in length and 25,000 kg in weight, Big Gun is the largest of its kind in the United Kingdom. First Light Fusion, based in Oxford, was spun out from the University of Oxford, employs a team of engineers and physicists, and works closely with a variety of academic institutions.