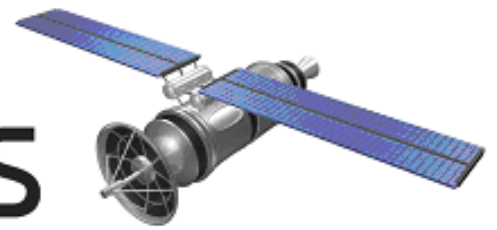


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The Global Semiconductor Industry Analysts

FH MONDAY

8 May 2017

Australia hits 1Gbps speed in fixed wireless trials

Australia's nbn, a state-owned company building the national broadband network, has completed a series of live LTE Fixed Wireless trials that could pave the way for an upgrade to 1Gbps broadband speeds in the country.

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3-D Graphene Boosts Electronics

LAKE WALES, Fla. -- A three dimensional form of graphene is being explored as a next-generation electronics material by a pair of Moscow Institute of Physics and Technology (MIPT) researchers who won a Nobel Prize for graphene research in 2010

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Intel Re-defines Xeons

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TALK TO US



As Apple Jilts Imagination, MIPS Goes on Block

Imagination Technologies Group disclosed Thursday (May 4) that it has started a "dispute resolution procedure" with Apple, as their negotiations have stalled. With the potential loss of Apple -- which accounts for about half of the U.K.-based company's revenue -- looming large, Imagination is fighting for its survival.

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Toyota acknowledges Infineon for outstanding quality

The car manufacturer Toyota has awarded Infineon Technologies with its 'Best Quality Award'. Yasuaki Mori, President of Infineon Technologies Japan, accepted the award on behalf of Infineon during today's ceremony at the Toyota Hirose Plant. "Zero-defect products for in-vehicle communication of Infineon support the automotive megatrends autonomous driving, electric mobility, connectivity,

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Australia Hits 1Gbps Speed In Fixed Wireless Trials

Australia's nbn, a state-owned company building the national broadband network, has completed a series of live LTE Fixed Wireless trials that could pave the way for an upgrade to 1Gbps broadband speeds in the country.

Using carrier aggregation, the company combined seven 3.4GHz carriers with four in the 2.3GHz bands to achieve 1.1Gbps downlink and 165Mbps upstream speeds. Nbn also demonstrated peak speeds of 400/55Mbps, 250/50Mbps and 100/40Mbps in separate device trials using different carriers across the two bands.

The trials were conducted in collaboration with Ericsson, NetComm Wireless and Qualcomm, using speed testing technology from Mill Software.

3-D Graphene Boosts Electronics

LAKE WALES, Fla. -- A three dimensional form of graphene is being explored as a next-generation electronics material by a pair of Moscow Institute of Physics and Technology (MIPT) researchers who won a Nobel Prize for graphene research in 2010.

Andre Geim and Konstantin Novoselov discovered the new three-dimensional form of graphene -- called Weyl Semimetals -- which was predicted by the late German physicist Hermann Weyl.

The promise of 3-D graphene is that electrons in them have no mass -- like photons -- but carry an electrical charge, making them one of the most promising new methods of achieving superconductor-like conductivity on the surface of a topological material.

Intel Re-defines Xeons

LAKE WALES, Fla. - Intel plans to add a super-scalable new Xeon processor family of supercomputer caliber central processing units sometime around the middle of this year.

The effort is called "re-architecting the data center with the Intel's Xeon-processor scalable family," said Lisa Spelman, vice president and general manager of the Intel Xeon Products and Data Center Marketing Group.

The bottom line is that the whole group of Xeon models will be joined into a single family that allows easy scalability for top to bottom, instead of just marketing a mis-mash of Xeon E5 and E7 SKUs (stock keeping units).

More like a super-SoC, the new scalable Xeon processor family has optical fabric, networking, accelerators and solid-state disk interfaces on-chip plus high-speed connections to its FPGAs, Nirvana deep learning, multi-processing Xeon Phi and silicon photonics.

Like super-SoCs, the entire family will work together with Intel's other on-chip technologies, including its optical fabric, networking, accelerators and solid-state disk interfaces plus high-speed connections to its Altera FPGAs, its Nirvana deep-learning neural-network chips, its multi-processing Xeon Phi chips and its advanced silicon photonics.

As Apple Jilts Imagination, MIPS Goes on Block

MADISON, Wis. -- Imagination Technologies Group disclosed Thursday (May 4) that it has started a "dispute resolution procedure" with Apple, as their negotiations have stalled. With the potential loss of Apple -- which accounts for about half of the U.K.-based company's revenue -- looming large, Imagination is fighting for its survival.

Not coincidentally, the company revealed plans to sell two businesses. Going on the block are MIPS, whose CPU business is focused on embedded processor market, and Enigma, which offers IP licensing for connectivity in mobile computing.

These moves mark the end of Imagination's ambitious dream to compete with its rival ARM as an IP licensing powerhouse with GPU, CPU and connectivity technologies.

Toyota Acknowledges Infineon For Outstanding Quality

Munich, Germany and Tokyo, Japan – April 26, 2017 – The car manufacturer Toyota has awarded Infineon Technologies with its 'Best Quality Award'. Yasuaki Mori, President of Infineon Technologies Japan, accepted the award on behalf of Infineon during today's ceremony at the Toyota Hirose Plant. "Zero-defect products for in-vehicle communication of Infineon support the automotive megatrends autonomous driving, electric mobility, connectivity, and security," said Mori. The 'Best Quality Award' is presented to suppliers for achieving zero defects for three years running. Infineon was acknowledged for delivering CAN transceivers of outstanding quality.

Within over 15 years of CAN transceiver shipments, this is already the ninth time that Toyota's Hirose Plant has awarded Infineon for its excellent product quality. "It is a great honor for Infineon to receive the 'Best Quality Award' from the Toyota Hirose Plant," said Yasuaki Mori. "As a world-leading automotive semiconductor manufacturer we will continue our efforts to satisfy the strict quality standards of the car industry."