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The Global Semiconductor Industry Analysts

FH MONDAY

22 November 2021

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NXP and Ford Partner on Next-Gen Connected Car Experiences and Services

NXP Semiconductors is collaborating with the Ford Motor Co. to deliver enhanced driver experiences, convenience and services across its global fleet of vehicles, including the 2021 Ford F-150 pickup, Mustang Mach-E, and Bronco SUVs.

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New Super Computer to Help Research and Startups

Dr. Jitendra Singh, Union Minister of State (Independent Charge) Science & Technology; Minister of State (Independent Charge) Earth Sciences; and MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, has inaugurated an advanced 650-teraflop supercomputing facility at National Agri-Food Biotechnology Institute (NABI) at Mohali, which will act as a facilitator for start-ups

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TALK TO US



Startup Unveils In-Memory Processing Appliance

Like many accelerators, NeuroBlade's has a specific purpose: accelerating data analytics. Other accelerators are focused on improving storage or artificial intelligence workloads. Founded in 2017, the company has grown to more than 100 employees and recently secured \$83 million in venture funding, bringing total invested capital to \$110 million.

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Seeking more reliable supply, Ford signs a deal with a huge chip maker

Amid a global computer chip shortage that has gridlocked the world's automakers, Ford Motor is attempting to secure more reliable supply in a deal with chipmaker GlobalFoundries.

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Future Horizons Ltd, • 44 Bethel Road • Sevenoaks • Kent TN13 3UE • England

Tel: +44 1732 740440 • Fax: +44 1732 740442

e-mail: mail@futurehorizons.com • <http://www.futurehorizons.com/>

Affiliates in Europe, India, Israel, Japan, Russian, San Jose California, USA

Lattice Saves PC Power Using Edge AI

As part of the latest version of its SensAI stack for edge AI applications, FPGA maker Lattice has debuted reference designs for power saving in laptops to improve battery life. One technique, attention tracking, could potentially extend battery life by an estimated 28 percent.

SensAI version 4.1 includes hardware and software reference designs for features such as camera-based, user-presence detection that powers down a PC when idle. Also included is attention tracking, a feature that dims the screen's brightness when the user is not looking at it.

"Users now expect to show up to the machine and the machine turns on again," said Lattice marketing director Hussein Osman. "Your phone does that, why shouldn't your laptop do it, and do it very easily, without the user having to move a mouse or press a power button?"

NXP and Ford Partner on Next-Gen Connected Car Experiences and Services

NXP Semiconductors is collaborating with the Ford Motor Co. to deliver enhanced driver experiences, convenience and services across its global fleet of vehicles, including the 2021 Ford F-150 pickup, Mustang Mach-E, and Bronco SUVs. Ford's new fully networked vehicle architecture implements NXP's vehicle networking processors and the i.MX 8 Series processors, working together to upgrade vehicles that help improve customer lifestyle and streamline the ownership experience.

NXP's vehicle network processors provide secure, in-vehicle networking and enable the gateway to rapidly deploy Over-the-Air (OTA) software updates and new services, while processing and sending deep vehicle data to the cloud to drive continual product improvements and support data-driven services like vehicle health management.

New Super Computer to Help Research and Startups

Dr. Jitendra Singh, Union Minister of State (Independent Charge) Science & Technology; Minister of State (Independent Charge) Earth Sciences; and MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, has inaugurated an advanced 650-teraflop supercomputing facility at National Agri-Food Biotechnology Institute (NABI) at Mohali, which will act as a facilitator for start-ups working in areas like telemedicine, digital health, mHealth with big data, AI, blockchain, and other technologies.

Established at a cost of Rs 20 crores, it will cater to the needs of the interdisciplinary cutting-edge research being carried out at the Institute related to agricultural and nutritional biotechnology, and help analyze big data accruing from the large-scale genomics, functional genomics, structural genomics, and population studies being carried out at various Institutes and universities of national and international repute.

Startup Unveils In-Memory Processing Appliance

Interest in processing-in-memory technology continues to grow as evidenced by an Israeli start up emerging from stealth mode to unveil a PIM-based data analytics architecture.

Tel Aviv-based NeuroBlade has begun shipping its data accelerator designed to reduce data movement and resulting bottlenecks through integration of the processing function inside memory, according to CEO Elad Sity.

Like many accelerators, NeuroBlade's has a specific purpose: accelerating data analytics. Other accelerators are focused on improving storage or artificial intelligence workloads.

Seeking more reliable supply, Ford signs a deal with a huge chip maker

Amid a global computer chip shortage that has gridlocked the world's automakers, Ford Motor is attempting to secure more reliable supply in a deal with chipmaker GlobalFoundries.

The maker of Mustangs and F-150 pickups said Thursday that it has signed a nonbinding agreement that could eventually lead GlobalFoundries, which is headquartered in Malta, N.Y., to produce more chips for Ford.

The companies also plan to collaborate on research and development for new chips needed to power electric vehicles, autonomous driving systems and other future technologies, said Mike Hogan, GlobalFoundries' senior vice president of automotive.