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The Global Semiconductor Industry Analysts

FH MONDAY

14 March 2016

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Google's Project Fi aims to connect all

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- 7 March 2016 - London UK

Industry Forecast Briefing

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"With the launch of the GE Digital Alliance Programme, we are providing alliance members with expanded access to GE Digital tools, technologies and domain expertise," said Denzil Samuels, Head of Global Channels and Alliances, GE Digital.

"The new alliance programme is also designed to take us to the size and scale required to truly drive unprecedented growth, as well as certifying thousands of developers, implementers and consultants to give us the largest ecosystem of qualified technical capacity. We are excited to work closely with some of the most forward-thinking companies in technology to unlock unprecedented value for our customers."

Neural technology advances with AVFE system

BrainChip Holdings Ltd. (Perth, Australia) has recently developed an Autonomous Visual Feature Extraction system (AVFE) based on its spiking neural processor technology.

SNAP, BrainChip's neural network processor uses signal spikes for data transfer. The method is known as Spike Time Dependent Plasticity (STDP) for learning.

The AVFE is a breakthrough in that has demonstrated unsupervised learning from a visual data stream with implications for applications such as collision avoidance in autonomous driving and drones.

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Best known for affordable cars, Toyota is testing the waters in the wearable electronics device segment. The company has announced its Project BLAID, which involves developing a wearable device that can help the blind and the visually impaired navigate.

Worn around the user's shoulders, the device is designed to help blind and visually impaired people better navigate indoor spaces, such as office buildings and shopping malls, by helping them identify everyday features, including restrooms, escalators, stairs and doors.

Users will interact with the device using voice recognition and buttons. The device is equipped with cameras that detect the user's surroundings and communicate the information to the individual via speakers and vibration motors.

Google's Project Fi aims to connect all

Last Monday saw the release of Google's Project Fi, a wireless service for smartphones designed to link 4G LTE networks or Wi-Fi automatically, selecting optimal connections without interruptions, wherever you may be.

Besides the ability to make calls and texts over Wi-Fi networks, another headline feature of Project Fi compared to other mobile networks is its pricing structure. Users pay \$20 a month up front for unlimited domestic talk and text and unlimited international texts as well as an additional \$10 a month for every GB of data they want to use.

Any unused data gets credited back to the user's account at the end of each month.

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RSI's wireless battery-powered motion detectors with built-in cameras deliver live, high-quality video over the cloud to central monitoring stations and end-users. The acquisition enhances Honeywell's ability to meet the increasing global customer need for video verification, and it also brings a unique do-it-yourself (DIY) offering combined with professional monitoring.