

## Weebit Nano to showcase neuromorphic demo at ISSCC 2020

**7 February 2020** – Weebit Nano Ltd (ASX: WBT), a developer of next generation memory technology for the global semiconductor industry, will showcase its innovative brain-inspired neuromorphic demo at the International Solid-State Circuit Conference (ISSCC) 2020 in San Francisco from 16-20 February.

Held annually, the ISSCC is the premier global forum for advances in solid-state circuits and systems-on-a-chip. As the flagship conference of the IEEE Solid-State Circuits Society, it attracts more than 3,000 attendees. Chosen by an international panel of scientific and industry experts, Weebit will present its bio-inspired 'SPIRIT' neuromorphic demo, developed in cooperation with its partner CEA-Leti, as part of the event's Industry Showcase, alongside other selected companies such as Intel, Samsung, IBM, AMD, Western Digital, Alibaba and Texas Instruments.

The SPIRIT neuromorphic demo uses Weebit's silicon oxide ReRAM technology to run inference tasks using CEA-Leti's Spiking Neural Network (SNN) algorithms, implementing synapses in a way that mimics human biological synapse activity. Using neuromorphic techniques based on ReRAM technology greatly increases parallel connectivity compared to current circuits, significantly improving the energy efficiency of the Ai computing process.

**Coby Hanoch, CEO at Weebit said:** "Companies participating at the ISSCC's Industry Showcase have been recognised for their technological innovations in silicon circuits and Systems on a Chip [SoC], which are driving industrial applications and the products of the future. Weebit's invitation to present at the ISSCC Industry Showcase reflects the state-of-the-art technology that CEA-Leti and Weebit have developed and demonstrated in silicon. The conference is a widely successful industry event, providing Weebit with exposure to many potential partners and opportunities for new business collaborations."

This announcement has been authorised for release by the Board.

For further information, contact:

### Investors

Eric Kuret  
Market Eye  
P: +61 3 9591 8904  
E: [eric.kuret@marketeye.com.au](mailto:eric.kuret@marketeye.com.au)

### Media

Tristan Everett  
Market Eye  
P: +61 3 9591 8905  
E: [tristan.everett@marketeye.com.au](mailto:tristan.everett@marketeye.com.au)

### About Weebit Nano Limited

Weebit Nano is a leader in the development of next generation computer memory technology, and plans to become the new industry standard in this space. Its goal is to address the growing need for a significantly higher performance and lower power computer memory technology. Weebit Nano's ReRAM technology is based on fab-friendly Silicon Oxide, allowing the company to rapidly execute, without the need for special equipment or preparations. The company secured several patents to ensure optimal commercial and legal protection for its ground-breaking technology.



### Contact

Office: +972-9-7797832  
[info@weebit-nano.com](mailto:info@weebit-nano.com)  
[www.weebit-nano.com](http://www.weebit-nano.com)





Weebit Nano's technology enables a quantum leap, allowing semiconductor memory elements to be significantly cheaper, faster, more reliable and more energy efficient than the existing Flash technology. Weebit Nano has signed an R&D agreement with Leti, an R&D institute that specialises in nanotechnologies, to further develop SiOx ReRAM technology.

For more information please visit: <http://www.weebit-nano.com/>



#### Contact

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info@weebit-nano.com

[www.weebit-nano.com](http://www.weebit-nano.com)

