

Weebit Nano invited to present to industry experts at leading memory conference

MEM-Q Workshop brings together international researchers in memristive nanomaterials for quantum and neuromorphic computing

15 October 2018 – Weebit Nano (ASX: WBT), the Israel-based semiconductor company seeking to develop and commercialise the next generation of memory technology, has been invited to deliver a one-hour plenary session at a leading tech conference in Greece later this month that is examining the ways of changing the way storage devices are used in artificial intelligence, machine learning and the Internet of Things.

Weebit's Chief Technology Officer, Amir Regev, will share the company's experience taking its ReRAM technology from concept to pre-production, and its planned pathway to full scale manufacturing as part of the MEM-Q Workshop 'From ReRAM and Memristors to new Computing Paradigms' in Crete on 28 – 31 October 2018.

The MEM-Q Workshop is a series of two workshops run this year by the MEM-Q Project (MEMristive nanomaterials and electronic devices for Quantum and neuromorphic computing).

The MEM-Q Project brings together leading research groups with significant contributions to the contemporary state-of-the-art of memristive materials and technologies, working on a universal approach towards the fabrication of memristors.

Commenting on Weebit's inclusion in this highly regarded event, **Coby Hanoach, CEO of Weebit Nano**, said: "Weebit Nano's progress in developing our Silicon Oxide ReRAM technology is now being recognised by both industry and academic domains. In addition to building Weebit Nano's industry profile, we expect our participation in this conference to result in meaningful collaborative opportunities with leading researchers to create groundbreaking developments in ReRAM applications."

A memory resistor (memristor) is the term used in the academic domain for Resistive RAM (ReRAM). It refers to a non-linear passive two-terminal electrical component considered to be the fourth fundamental electrical circuit element, in addition to the original fundamental circuit elements: resistors, capacitors and inductors. Like a resistor, it creates and maintains a safe flow of electrical current across a device, but it can also remember the last charge that was flowing through it. It differs from a regular resistor as it can "remember" charges even when there is no current or voltage present, allowing information storage even when the device is turned off.

The two workshops explore the possibility of using memristors as building blocks for quantum and neuromorphic computing, breaking the limitations of conventional computing logic (Boolean logic) and architecture (von Neumann architecture).



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The event also provides a forum for discussing emerging applications of memristive devices in new-generation memory storage and models of quantum and neural circuits for neuroprocessors, programmable arrays and quantum computers.

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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.

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/>



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