Weebit Nano and Politecnico di Milano to collaborate on Neuromorphic ReRAM Project

18 *January 2019* – Weebit Nano (ASX: WBT), the Israel-based semiconductor company seeking to develop and commercialise the next generation of memory technology, is launching a joint Neuromorphic ReRAM project with Politecnico di Milano (Polimi).

Weebit will collaborate with a team at the Politecnico di Milano in Italy, one of the leading European universities for Industrial and Information Engineering, Technology and Industrial Design, to test, characterise and implement its developed algorithms using Weebit's ReRAM chips to demonstrate the capability of ReRAM-based hardware in neuromorphic and artificial intelligence applications.

The research will be led by Professor Daniele Ielmini, from the Electronics, Information and Bio-Engineering department. Professor Ielmini is a Fellow of the IEEE (Institute of Electrical and Electronics Engineers), has held visiting positions at Intel and Stanford University, and received the Intel 2013 Outstanding Researcher Award.

Professor Ielmini, who has conducted research on emerging non-volatile memories for several years, said: "Artificial intelligence currently uses software and traditional hardware technology limited in capability and scalability due to the industry reaching the limits of Moore's Law. More efficient devices that allow faster and scalable performance are needed. We believe ReRAM devices are the best candidates for implementing brain-inspired intelligence hardware due to their resemblance to biological synapses. As a global research leader in this space, we are keen to collaborate with Weebit Nano to partner their SiOx chips with our developed algorithms."

Coby Hanoch, CEO of Weebit Nano, said: "Senior Weebit managers have maintained close relations with Professor Ielmini over the years and have planned to collaborate on neuromorphic application development once Weebit chips reached a key stage in development. I am very happy we can now launch this project as part of our collaboration with world-leading research institutes using Weebit's ReRAM technology. This research places the company in the middle of the latest work on platforms for artificial intelligence and other neuromorphic computing applications which will become standard over the next decade."

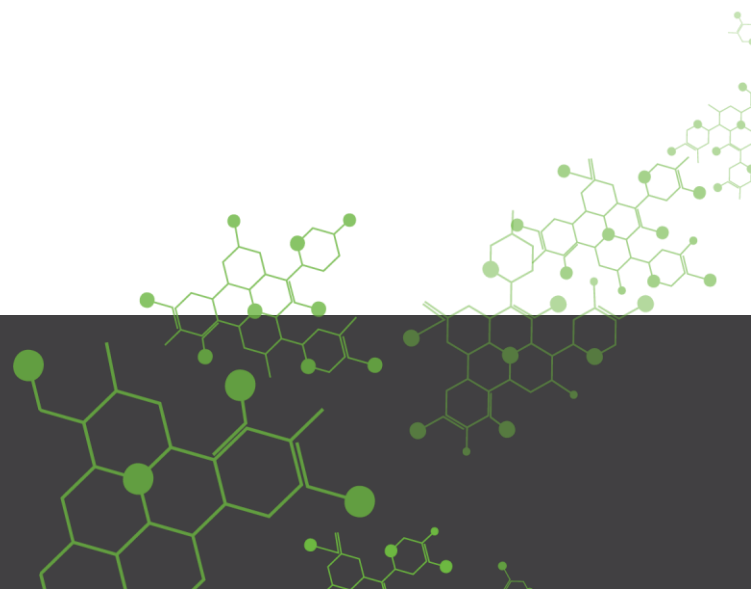*Professor Daniele Ielmini of the Politecnico di Milano in Italy*

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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: www.weebit-nano.com