GSI Technology and Weizmann Institute of Science Announce Collaboration on Cheminformatics Research

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SUNNYVALE, Calif., Oct. 04, 2018 (GLOBE NEWSWIRE) -- **GSI Technology, Inc. (Nasdaq: GSIT)**, a leading provider of memory solutions for networking, telecommunications and military, and developer of the Associative Processing Unit (APU), a highly parallel in-place computing solution, today announced that GSI is collaborating with researchers from The Nancy and Stephen Grand Israel National Center for Personalized Medicine at the Weizmann Institute of Science on cheminformatics research. The teams will explore how GSI's APU technology can be used for ultra-fast molecular structural similarity/substructure search to advance powerful existing structural similarity search algorithms and research programs in high-throughput screening, as well as virtual drug screening, lead optimization, and in advanced programs in drug discovery.

"Cheminformatics combines scientific resources and technology to transform data into information and information into knowledge. GSI's APU can dramatically reduce the time required to search our small molecules database. Enabling cheminformatician scientists to support multiple parallel programs, such as advanced medicinal chemistry research, high-throughput screening, computational virtual screening in various aspects (i.e., special library design), and finding analogs by catalog compounds, empowers us to advance our research processes and ultimately improve human health," said Dr. Efrat Ben-Zeev, Computational Chemist and Cheminformatics Project Leader at the Weizmann Institute of Science.

"By providing complex computational results quickly, the APU can speed up the drug discovery and development phase saving valuable time and research funds. GSI's APU solution is highly scalable and ideal for big datasets that require high computational speed and inference in production systems," said Dr. Avidan Akerib, GSI's Vice President of Associative Technologies.

GSI is currently finalizing the hardware for the APU, and plans to have the chip available in 2019 for evaluation and collaboration.

ABOUT GSI TECHNOLGY
Founded in 1995, GSI Technology, Inc. is a leading provider of semiconductor memory solutions. GSI's resources are currently focused on bringing new products to market that leverage existing core strengths, including radiation-hardened memory products for extreme environments, and the APU designed to deliver performance advantages for diverse artificial intelligence applications. GSI Technology is headquartered in Sunnyvale, California and has sales offices in the Americas, Europe and Asia. For more information, please visit www.gsitechnology.com.

About the Weizmann Institute for Science
The Weizmann Institute of Science is one of the world's leading multidisciplinary basic research institutions in the natural and exact sciences. It is located in Rehovot, Israel, just south of Tel Aviv. It was initially established as the Daniel Sieff Institute in 1934, by Israel and Rebecca Sieff of London in memory of their son Daniel. In 1949, it was renamed for Dr. Chaim Weizmann, the first President of the State of Israel and Founder of the Institute.

About the Nancy & Stephen Grand Israel National Center for Personalized Medicine
Established in 2012 by the Weizmann Institute of Science, the Nancy & Stephen Grand Israel National Center for Personalized Medicine (G-INCPM) is an advanced research facility providing Israeli academic, medical, and biomedical industry researchers with access and guidance to state-of-the-art genomics, protein profiling, drug discovery and bioinformatics research platforms.

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