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BY NARINDER LALL, EASIC

This paper introduces a new technology, the second generation Structured ASIC, that is tipped to reenergize the path to innovation within the electronics industry.

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Progeniq Launches Next-Generation BioBoost v4.0 Accelerator

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SINGAPORE — February 12, 2008 — Progeniq Pte Ltd, a leader in reconfigurable computing applications headquartered in Singapore, today launched the BioBoost™ v4.0 Accelerator for Bioinformatics. The BioBoost v4.0 turbo charges new generation multi-core CPU processors that are available on the market.

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The BioBoost provides hardware accelerated processing for the most computationally intensive applications in Bioinformatics – NCBI BLAST, Smith Waterman, HMMer and ClustalW. Processing these protein searches will be cut from months to days, and weeks to hours and minutes.

By utilizing improved Field Programmable Gate Array (FPGA) technology, the fourth generation BioBoost is able to accelerate the applications by up to 50 times, and consumes little energy compared with a CPU cluster. This results in energy savings from running and cooling costs, as well as space savings in the ever-expanding data centres of today.

“Progeniq has and will continue to push the hardware accelerator technology forefront for Bioinformatics, with our BioBoost accelerator product line”, said the Chief Executive Officer of Progeniq, Mr Darran Nathan. “It remains our goal to see that hybrid computing architectures involving both FPGAs and CPUs continue the strong growth in market adoption. With the BioBoost v4.0, we’re tracking the improvements in CPU technology by offering an accelerator that provides speedups over the latest multi-core CPUs.”

The BioBoost v4.0 is available for demo upon request, and immediate shipment. Visit www.progeniq.com/products/offer.htm for details.

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About Progeniq Pte Ltd, Singapore

Progeniq is a leader in reconfigurable computing applications for High Performance Computing (HPC) industries, with its BioBoost line of products for the life sciences industry already adopted by institutes worldwide. Today Progeniq continues to reinvent the way computing is done by leveraging on the Boost Platform to introduce reconfigurable computing into new compute-intensive industries, increasing the efficiency of computing systems, boosting up performance and slashing cost.

Source: Progeniq Pte Ltd

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