



**SC09 BOOTH #2589**

**Photos Available**

[www.tinyurl.conveypress](http://www.tinyurl.conveypress)

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## **Convey Computer™ Corporation Announces Partner Agreements with Mitronics and Platform Computing**

**PORTLAND, Ore. (Nov. 16, 2009)** – Convey Computer™ Corporation, the leader in hybrid-core computing, today announced partnership agreements with HPC software leaders Mitronics ([www.mitronics.com](http://www.mitronics.com)) and Platform Computing ([www.platform.com](http://www.platform.com)).

“The driver for agreements with these superior software companies is efficiency for our customers,” said Bruce Toal, CEO and president, Convey Computer Corporation. “By supporting Mitronics’ products on our hybrid-core computing systems, customers can develop and deploy custom personalities in a shorter time period. By using Platform Computing’s premier scheduling software, customers can efficiently manage compute or data-intensive workloads on HPC clusters and grids.”

Mitronics, the leader in FPGA-based software development products, will support its Mitrion Virtual Processor™ and Mitrion Software Development Kit™ on Convey’s HC-1™ hybrid-core computers. FPGA computing applications, championed by both Mitronics and Convey, are attractive to HPC users because of the technology’s lower power consumption, architectural flexibility, and increased application performance. Programmable “on the fly,” yet still close enough to raw semiconductor gates, FPGAs represent an ideal way to get application-specific performance without the time and cost of developing a custom ASIC.

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## Convey Computer Announces Partner Agreements p.2

The Mitronics–Convey products, featuring an accelerated Smith-Waterman algorithm, will be demonstrated at SC09 in Mitronics Booth 1006.

“The Convey HC-1 system’s large memories and superior memory bandwidth makes it particularly well suited for accelerating a number of modern bioinformatics algorithms,” says Stefan Möhl, chief science officer and co-founder of Mitronics. “Our implementation of the Smith-Waterman algorithm for the HC-1 demonstrates the potential of the system and, with Mitrion, it will be easy to create custom personalities to accelerate other widely used applications.”

Mitronics products allow software developers to benefit from FPGA-based software acceleration, without having to deal with the complexities of hardware design. Convey designs hybrid-core computer systems that make extensive use of FPGAs to achieve dynamically loading personalities (application-specific instruction sets). However, unlike FPGA accelerators that are I/O based or non-coherently attached, the Convey HC-1 features cache-coherent, virtual memory to increase application performance and programmer productivity.

Beginning in December, Platform Computing and Convey Computer Corporation will partner to have Platform products supported on Convey’s hybrid-core computers. Convey Computer Corporation will also resell Platform’s industry leading high performance computing (HPC) products. By running Platform’s HPC products, such as Platform Cluster Manager, Platform LSF and Platform Symphony, customers will now be able to combine the power of Convey’s hybrid-core servers with the ability to manage and schedule workloads across cluster environments. As Convey’s hybrid-core computing systems are deployed in cluster environments, the need to manage and schedule the systems in these environments becomes essential.

“Convey Computer’s hybrid-core technology brings increased speed to HPC user environments—providing the performance users need for compute

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## Convey Computer Announces Partner Agreements p.3

intensive projects,” said Jingwen Wang, Vice President Products, Platform Computing. “By combining Convey’s hybrid core technology with the advanced scheduling capabilities of Platform’s HPC products, users will gain greater computing power while utilizing more of their infrastructure, allowing them to complete tasks more efficiently and in significantly less time.”

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### **About Convey Computer Corporation**

Based in Richardson, Texas, Convey Computer breaks power, performance and programmability barriers with the world’s first hybrid-core computer--a system that marries the low cost and simple programming model of a commodity system with the performance of customized hardware architecture. Convey brings decades of experience and intellectual assets to performance problem-solving. Its executive and design teams all come from successful backgrounds of building computer companies, most notably Convex Computer Corporation and Hewlett-Packard. More information can be found at: [www.conveycomputer.com](http://www.conveycomputer.com).

### **About Mitronics**

Founded in 2001 and privately held, Mitronics is the technology leader in FPGA based application acceleration and hybrid computing. The Mitrion Accelerated Computing Platform, which includes the Mitrion-C Compiler and Mitrion Virtual Processor, utilizes parallel programming and parallel processing to enable greater processing performance and a greener computing alternative. The Mitrion Platform is unique because it eliminates the need for circuit design skills, thus making FPGA-acceleration accessible to scientists and developers all over the world. Mitronics has key industry relationships with chip companies Altera, AMD, Intel, and Xilinx, and systems vendors Convey, Cray, HP, SGI, and module suppliers GiDEL, Nallatech and XtremeData. For more information, visit the company Web site at [www.mitronics.com](http://www.mitronics.com), email [info@mitronics.com](mailto:info@mitronics.com) or call 408-395-3247.

### **About Platform Computing**

Platform Computing is the leader in cluster, grid and cloud management software – serving more than 2,000 of the world’s most demanding organizations. For 17 years, our workload and resource management solutions have delivered IT responsiveness and lower costs for enterprise and HPC applications. Platform has strategic relationships with Cray, Dell, HP, IBM, Intel, Microsoft, Red Hat, and SAS. Visit [www.platform.com](http://www.platform.com).

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