



Coprocessor Systems  
*accelerating results*

## **Leading Software Tool Vendors Line Up Behind DRC's Coprocessor Systems for High Performance Computing**

***CebaTech, DSPlogic, Impulse Accelerated Technologies, Mitrionics, and Synplicity Join Celoxica to Extend Programming Expertise and Drive Adoption of Reconfigurable Computing***

SUPERCOMPUTING O6, Tampa, Florida—November 13, 2006—DRC Computer Corporation, a leading provider of coprocessor systems, today announced new software tool partners, CebaTech, DSPlogic, Impulse Accelerated Technologies, Mitrionics, and Synplicity are joining with existing partner Celoxica to extend programming expertise to the DRC Reconfigurable Processor Unit (RPU) and development environments. At this week's Supercomputing show, DRC and its tool partners are driving adoption of reconfigurability by showcasing solutions that deliver 10- to 200-time improvements in high-performance applications.

“We are committed to providing complete system-level reconfigurable solutions that address the power, heat, performance, density and cost issues associated with today's high-performance computing,” says Larry Laurich, CEO of DRC. “To that end, we will continually seek out and partner with industry leaders and innovators who will help us achieve this goal and drive the expansion of coprocessor-based systems for supercomputing.”

At the Supercomputing 2006 trade show, DRC has been invited to participate in AMD's booth, #1413, and will be demonstrating the power of its new RPU110 family for visualization and Smith-Waterman. DRC will also show its new DS2000 for application development on large clusters of CPUs and RPUs. In addition, DRC and its partners are discussing how their tools work together to modify application subroutines to run in hardware for dramatic improvements in system performance. Here is what DRC's partners are saying:

### **CebaTech**

“CebaTech's ability to take any untimed ANSI C software directly to hardware in a dramatically shortened design cycle opens up exciting possibilities for reconfigurable

design and coprocessor-based solutions,” said Tim Sullivan, president of CebaTech. “We are excited to be working with DRC to demonstrate how computationally intensive software applications benefit dramatically from hardware acceleration.” For more information visit [www.cebatech.com](http://www.cebatech.com)

### **Celoxica**

According to Jeff Jussel, Celoxica’s Americas general manager and VP of marketing, “Celoxica is committed to providing the software and kernel functions necessary to enable FPGA-based coprocessing. Our strong partnership with DRC allows us to deliver a complete solution for acceleration, as much as 200 times, for applications in industries such as finance, life sciences, and oil and gas exploration.”

In its booth at SC06, #501, Celoxica will be demonstrating algorithm acceleration using a DRC development system on a video processing application compiled from C algorithms to the FPGA RPU using its DK Design Suite environment. For more information visit [www.celoxica.com](http://www.celoxica.com).

### **DSPlogic**

“We are very pleased to expand the portability of the Reconfigurable Computing Toolbox to include DRC’s leading-edge computing platforms,” says Mike Babst, president of DSPlogic. “I am confident that our rapid graphical programming language will help software programmers, without any knowledge of hardware design, extract the highest performance from the DRC platforms.” For more information visit [www.dsplogic.com](http://www.dsplogic.com).

### **Impulse Accelerated Technologies**

“We are currently developing support within Impulse C for the DRC RPU platform,” said Brian Durwood, co-founder of Impulse Accelerated Technologies. “We expect our solution to be available in 4-6 weeks.” For more information visit [www.impulsec.com](http://www.impulsec.com).

### **Mitronics**

“We are pleased to announce support for DRC’s Reconfigurable Processor Unit and coprocessor systems,” said Anders Dellson, CEO of Mitronics, Inc. “As scientists and researchers are gaining more choices for FPGA-based systems on which to run their supercomputing applications, Mitronics is committed to supporting these systems with our development platform and Mitrion Virtual Processor. We expect DRC will make a strong contribution to our growing market segment.”

Visit Mitronics at Supercomputing 06 in Booth #2045. For more information visit [www.mitronics.com](http://www.mitronics.com).

### **Synplicity**

Synplicity is supporting DRC’s Reconfigurable Processor Unit with its Synplify Pro software, the industry’s leading FPGA synthesis solution. “DRC has developed innovative technology that will expand the use of FPGAs in the high-performance

computing (HPC) market,” stated Andy Haines, senior vice president of marketing at Synplicity. “Synplicity views the HPC market as a compelling growth opportunity for our company and the industry as a whole. We are excited to partner with DRC to help fuel the growth of FPGAs in compute-intensive applications, and expose new customers to our Synplify Pro software.” For more information visit [www.synplicity.com](http://www.synplicity.com).

### **About DRC**

DRC delivers complete solutions for compute-intensive problems and for accelerating high-performance applications in a tightly coupled coprocessing environment. DRC is the leading provider of coprocessor systems that plug directly into a systems processor socket. Offloading CPU-intensive software subroutines to hardware in a DRC Reconfigurable Processor Unit (RPU) makes applications run many times faster than ordinary solutions connected to a peripheral bus. Coprocessor bandwidth and latency bottlenecks are all but eliminated. The company’s RPU and development systems also solve the high-performance computing industry’s growing physical limitations of heat, clock speed, and density. Industry leaders Cray, AMD, Xilinx and Microway are promoting, deploying and supporting DRC solutions to their customers. In addition, leading EDA providers Celoxica, CebaTech, DSPlogic, Impulse Accelerated Technologies, Mitrionics, and Synplicity provide development software supporting the DRC RPU. More information about DRC is available at [www.drccomputer.com](http://www.drccomputer.com).

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