Mercury Computer Systems Launches New Software Offerings for Multicore Application Development

Company delivers early-access software to two leading defense primes for radar applications, announces general availability for commercial and defense markets

CHELMSFORD, Mass., June 25 /PRNewswire-FirstCall/ -- Mercury Computer Systems, Inc. (NASDAQ: MRCY), a leading provider of high-performance, embedded computing solutions for image, sensor, and signal processing applications, announced the availability of two new software offerings for multicore application development: the MultiCore Plus® (MCP) Pro Edition software environment, and the MultiCore MathPack library bundle.

Maximizing Performance and Software Investment

Based on open standards, the MCP Pro Edition features a scalable, modular architecture that supports a broad range of commercial and rugged multicore and multicomputer systems to meet a variety of size, weight and power (SWaP) requirements, from the single-board computer, to embedded standalone multicomputers, to network-centric multicomputer clusters. This is critical to the rapid development and deployment of embedded signal and image processing applications that include intelligence, surveillance, and reconnaissance (ISR), and industrial inspection.

The MCP Pro Edition includes the Eclipse-based integrated software development environment, a target-extended operating system, the Interprocessor Communication System (ICS), and the new MultiCore MathPack package. The extended operating system includes a board support package, enhanced diagnostics, and the choice of either Linux or Wind River VxWorks® software platforms.

With the powerful, easy-to-use Eclipse-based Open Development Suite (ODS), application developers can configure, test, debug, and profile from one integrated environment.

The innovative MultiCore MathPack package includes the MC SAL (MultiCore Scientific Algorithm Library) and MC VSIPL (MultiCore Vector Signal Image Processing Library). Both MC SAL and MC VSIPL can automatically utilize all available processor cores to ensure peak processor performance without user intervention, enabling high throughput and low latency to support demanding processor-intensive applications.

Both ICS and MathPack are multicore-aware and optimized to maximize performance and preserve customer investments in application development.

A history of portability, scalability, and productivity

Over the past two decades, SAL, or the Scientific Algorithm Library, has been successfully ported to several generations of processors. The insights and techniques developed with each of these iterations have contributed to highly portable and extremely efficient libraries that support a variety of heterogeneous multicomputing applications. In addition, the SAL API is consistent across architectures and processor generations, eliminating the need to recode for different target computers, and greatly increasing developer productivity.

"With our many years of experience in multiprocessor systems, we're uniquely positioned to solve the programming and performance challenges of multicore processors," said Philippe Roy, Director of Product Management at Mercury Computer Systems. "Mercury software offerings are built to support our customers' productivity, performance, and net-centric readiness. The MultiCore MathPack is a primary example of our commitment to protecting our customers' application investment, and enabling a smooth migration of existing code to new system architectures, significantly reducing their product life-cycle costs and time to market."

The MultiCore Plus Pro Edition and MultiCore MathPack are available now. For more information, visit www.mc.com/products/software.aspx, or contact Mercury at (866) 627-6951 or info@mc.com.

Mercury Computer Systems, Inc. - Where Challenges Drive Innovation™

Mercury Computer Systems (www.mc.com, NASDAQ: MRCY) provides embedded computing systems and software that

combine image, signal, and sensor processing with information management for data-intensive applications. With deep expertise in optimizing algorithms and software and in leveraging industry-standard technologies, we work closely with customers to architect comprehensive, purpose-built solutions that capture, process, and present data for defense electronics, homeland security, and other computationally challenging commercial markets. Our dedication to performance excellence and collaborative innovation continues a 25-year history in enabling customers to gain the competitive advantage they need to stay at the forefront of the markets they serve.

Mercury is based in Chelmsford, Massachusetts, and serves customers worldwide through a broad network of direct sales offices, subsidiaries, and distributors.

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the MultiCore Plus Pro Edition software environment and MultiCore MathPack library bundle. You can identify these statements by our use of the words "may," "will," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geo-political unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, continued funding of defense programs, the timing of such funding, changes in the U.S. Government's interpretation of federal procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, and difficulties in retaining key customers. These risks and uncertainties also include such additional risk factors as are discussed in the Company's recent filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2008. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made.

```
Contact:
Kathleen Sniezek, Public Relations Manager
Mercury Computer Systems, Inc.
978-967-1126 / ksniezek@mc.com
```

Challenges Drive Innovation is a trademark, and MultiCore Plus is a registered trademark of Mercury Computer Systems, Inc. Other products may be trademarks or registered trademarks of their respective holders.