

For further information, contact:  
John Melonakos  
AccelerEyes  
75 5th Street NW, Suite 204, Atlanta, GA 30308  
+1 (800) 570-1941  
[john.melonakos@accelereyes.com](mailto:john.melonakos@accelereyes.com)

FOR IMMEDIATE RELEASE:

## **Leading Defense and Intelligence Organizations adopt Jacket** *Productivity and Performance are in high demand*

**Atlanta, GA – November 17, 2009** – Since the launch of high-tech startup AccelerEyes in 2007 and initial product shipment of its flagship product, Jacket, in Q1 2009 more than two hundred organizations have already adopted the company's software for solving their most important scientific and engineering challenges.

Jacket is a software platform specifically designed for engineers, scientists, and analysts who need maximum application performance, with minimal programming difficulty, while leveraging all technical computing resources available, including laptops, desktops, servers, clusters, and the Cloud. The Jacket platform consists of a runtime and language processing system that automatically optimizes existing applications or new algorithms for GPU computing with the MATLAB® language by The MathWorks serving as the frontend language.

While parallel computers are increasingly vital to scientific discovery due to the growth of computationally intensive problems, recent studies show that programming for these notoriously complex systems still remains one of the biggest productivity killers of scientific research. Jacket solves this problem by delaying or eliminating the need to re-program applications in low-level programming languages or MPI extensions to run on parallel computers by delivering a platform to enable GPU computing for desktop systems, gpu clusters, and cloud services. Jacket optimizes and compiles applications on-the-fly that have been designed and developed by domain professionals.

Consequently, defense and intelligence organizations along with academia and other industries are using Jacket to tackle problems on desktops with GPU computing, arriving at solutions in a fraction of the time.

For example, BAE SYSTEMS, with the Jacket platform, transformed a real-world complex signal detection and geolocation algorithm to GPUs. Performance improved by a factor of seventeen (17) on a CUDA-enabled NVIDIA GPU using Jacket. Engineers at BAE Systems achieved productivity gains with Jacket, in addition to performance, by eliminating the need to deal with low-level programming and APIs.

**Other Jacket customers include:**

System Planning Corporation  
Lockheed Martin  
Raytheon  
Boeing  
Northrop Grumman  
The Thales Group  
EADS N.V.

SAIC  
U.S. Navy  
U.S. Army  
Ball Aerospace  
CACI  
And many more...

Jacket's early adoption by the technical computing community stems largely from it being a productivity platform that supports easy integration while providing a familiar user experience for broad user communities. Systems integrators and end user customers can integrate their own CUDA code with serial and parallel MATLAB® code and run them on high performance GPUs with Jacket.

"Acquiring hundreds of the world's most renowned defense, intelligence, and research organizations in the first year of our operation brings enormous validation to Jacket," said John Melonakos, AccelerEyes CEO and co-founder. "Jacket delivers productivity to researchers who have struggled with desktop performance on increasingly large and more complex challenges. With Jacket's familiar programming interface, they can code without disruption, yet tap into the power of GPUs."

**About AccelerEyes:**

AccelerEyes launched in 2007 to commercialize Jacket, the first software platform to deliver productivity in GPU computing. With advanced language processing and runtime technology to transform CPU applications to high performance GPU codes, Jacket extends from desktop workstation performance to also fully leverage GPU clusters. Based in Atlanta, GA., the privately held company markets Jacket for a range of defense, intelligence, biomedical, financial, research, and academic applications. Additional information is available at [www.accelereyes.com](http://www.accelereyes.com).