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FOR IMMEDIATE RELEASE:

JacketHPC for GPU Clusters

MATLAB®-driven GPU-based Supercomputers

Atlanta, GA – November 16, 2009 – AccelerEyes today unveiled a new version of its Jacket software platform designed for multiple GPU systems. The new version of Jacket offers huge productivity gains to the hundreds of thousands of MATLAB® users worldwide who need to solve computationally intensive problems and desire to leverage the growing popularity, computation power, and energy efficiency of GPU clusters.

The Jacket platform consists of a runtime and language processing system that automatically optimizes existing applications or new algorithms for GPU computing. **JacketHPC** extends the base platform to deliver the ability to span computation across multiple GPUs, either on a local machine or over a network. JacketHPC enables an unprecedented ability to transparently scale GPU and CPU computing resources simultaneously. It eliminates the need to re-program the applications in lower-level programming languages, advanced application programming interfaces, or parallel extensions such as MPI (message passing interface) – decreasing time to solution and dramatically improving productivity of domain professionals.

JacketHPC is built atop MathWorks' Parallel Computing Toolbox (PCT) and Distributing Computing Server (DCS). PCT and DCS product licenses are required for executing JacketHPC on network based HPC and GPU resources. By combining Jacket's GPU data types with parallel constructs such as *parfor*, *spmd*, or *co-distributed arrays*, pre-existing code may be dispatched across all GPUs and CPUs in a cluster or a Cloud service. In many cases, little to no code revision is required to take advantage of this parallel computing capability.

"JacketHPC will enable users to run their programs on multi-GPU systems or clusters with a handful of trivial syntax changes," said John Melonakos, CEO and Co-founder at AccelerEyes. "Our goal is to enable scientists, engineers, and analysts to write number-crunching programs in a comfortable high-level language, and then immediately run their code on GPU-based systems with the least amount of complexity."

JacketHPC comes at a time when a majority of scientific and engineering users have or will have access to GPU clusters in their organizations, yet few have the time or expertise to fully exploit the capabilities of the technology. JacketHPC is for GPU clusters with 8 or more GPUs. The base Jacket platform will support workstations with up to 8 GPUs.

Pricing and availability:
JacketHPC is currently available and starts at $2,999 USD. More information regarding JacketHPC can be found at: http://www.accelereyes.com

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.