AccelerEyes announces Jacket's Public Unveiling at NVISION 2008

For further information, contact:

John Melonakos
AccelerEyes
800 W Peachtree St NW
Atlanta, GA 30308
(800) 570-1941
john.melonakos@accelereyes.com

FOR IMMEDIATE RELEASE:

ATLANTA, GA—AUGUST 25, 2008— AccelerEyes, leader in visual computing software, announces the public unveiling of Jacket at NVISION 2008: The Great Big Visual Computing Show. AccelerEyes will be presenting in the Emerging Companies Summit as well as demoing its Jacket software on the showroom floor.

"There are other GPU libraries in the market today, but the AccelerEyes' Jacket offers some key differentiators that make it stand out," said Tauseef Rehman, Chief Operating Officer at AccelerEyes. "Our customer feedback indicates that Jacket is lowering the barrier to entry to GPU computing for programmers worldwide. Within minutes of download, our customers, most of whom have never attempted GPU computing, are able to start running their code on the GPU."

Jacket is not a new GPU API nor is it a collection of GPU functions. Rather, it is a full system which introduces new GPU data types, 'gsingle' and 'gdouble', into MATLAB and provides transparent overloading of MATLAB's CPU-based functions with CUDA-based functions.

Jacket includes automated and optimized memory transfers and kernel configurations. Furthermore, Jacket uses a compile on-the-fly system that allows GPU functions to run in MATLAB's interpretive style.

Some of Jacket's features include:

  * Linear Algebra—CUBLAS functions in native MATLAB syntax.
  * FFT—CUFFT functions in native MATLAB syntax.
  * filter2—filtering and convolution.
  * meshgrid—for numerical computations.
  * subscripting—support for both subscripted referencing and assignment.
  * arithmetic—all standard arithmetic operations, including complex support.

Jacket also includes a Graphics Toolbox which enables true Visual Computing, seamlessly merging the compute power of CUDA with OpenGL visualizations. Using Jacket's Graphics Toolbox, it is possible to visualize a computation on data without a loss

in computation power. The OpenGL rendering system shares the same memory as the computation system, creating a virtual window into the actual computation and avoiding costly memory transfers.

Jacket is currently being used by customers in the Aerospace, Automotive, Biomedical, Communications, Defense, Electronics, Energy, Entertainment, and Financial Services industries. To download your free beta version of Jacket, visit: http://www.accelereyes.com.

About AccelerEyes

Founded in 2007, and located in Atlanta, Georgia, AccelerEyes is leading the software-side of the movement towards visual computing. AccelerEyes' products bring a level of supercomputing power to standard personal computers.

In order for high performance computing (HPC) companies to adopt GPU technologies, a robust and healthy software tool chain must be created to connect programmers to GPU hardware. While hardware manufacturers are building lower-level software tools, such as CUDA, which support their devices, AccelerEyes delivers high-level interfaces which remove the lower-level complexity.

AccelerEyes' first product, Jacket, is used by customers across all major HPC industries, such as the automotive, financial, medical, and seismic industries. Further, Jacket's Graphics Toolbox enables true Visual Computing, seamlessly merging the compute power of CUDA with OpenGL visualizations. AccelerEyes plans to adapt and expand Jacket for other hardware and software platforms.

AccelerEyes is a division of DivEyes, an Atlanta incubator for Digital Imaging and Vision Solutions.