

Acceleware and CST Announce Faster Electromagnetic Simulations with NVIDIA's CUDA

CST MICROWAVE STUDIO® users can gain up to 40% performance improvements for electromagnetic simulations with Acceleware's next generation of software acceleration products

CALGARY, Alberta, and Darmstadt, Germany, August 25, 2008 - Acceleware® Corp. (TSX-V: AXE), a leading developer of high performance computing applications, and Computer Simulation Technology (CST), a supplier of leading edge electromagnetic (EM) simulation software, today announced a new CUDA (Compute Unified Device Architecture) based Acceleware solution for accelerating EM simulations with CST MICROWAVE STUDIO® (CST MWS). Trial tests of this new acceleration product have delivered performance gains of up to 40% compared to the current product. This faster version is compatible with current generation GPUs, delivering significant speed-ups to CST customers without having to upgrade hardware.

"CST MWS users already benefiting from our acceleration solutions will experience significant performance improvements with a simple software update," said Ryan Schneider, CTO of Acceleware. "This combined offering enables Acceleware and CST to deliver the first ever CUDA powered solution to solve electromagnetic problems."

The new Acceleware software uses NVIDIA's CUDA programming language that was designed to solve complex computational problems, enabling users to access multi-core parallel processing technology. Engineers and product designers who value the CST MWS time domain solver's efficiency, accuracy and user-friendly interface, will benefit from increased acceleration to help them tackle larger simulation problems and meet production deadlines.

“NVIDIA Tesla products in combination with CST and Acceleware’s software provide an accelerated design environment for end users to reduce the time spent simulating products,” said Andy Keane, General Manager of the GPU Computing Business at NVIDIA. “Acceleware’s use of CUDA in its libraries to harness the parallel architecture of the GPU will provide compelling value and considerable speed- ups for designers who frequently perform EM simulations.”

Acceleware’s CUDA enabled solvers take advantage of highly parallel NVIDIA compute hardware to offer performance gains while performing lengthy EM design simulations. Users will be able run their CST MWS simulations even faster while supporting the same accelerated feature sets that designers use today including open boundaries, lossy metals, Thin Sheet Technology (TST)[™], Perfect Boundary Approximation (PBA)[®], dispersive materials, and far field monitors. Single card, dual card, and quad card configurations are supported.

“Acceleware’s hardware acceleration solutions have been well received by our customers. Achieving an accurate solution in a shorter time frame is instrumental in bringing their products to market earlier,” commented Jonathan Oakley, VP of Sales and Marketing, CST of America. “We are really excited by the prospect of offering them an even faster, CUDA enhanced solution as part of their regular maintenance.”

Availability

The CUDA enabled solver is expected to be available by the end of 2008. CST and Acceleware end users will benefit from this development as part of their maintenance contract. All 30 series products will be supported. The range of hardware acceleration products may be extended in the future. For more information please visit www.acceleware.com or www.cst.com

About CST

CST develops and markets software for the simulation of electromagnetic fields in all frequency bands. Its success is based on the implementation of unique, leading edge technology in a user-friendly interface. Furthermore, CST’s “complete technology” complements its market and technology leading time domain solver, thus offering unparalleled accuracy and versatility for all applications.

CST's customers operate in industries as diverse as Telecommunications, Defense, Automotive, Electronics, and Medical Equipment, and include market leaders such as IBM, Intel, Mitsubishi, Samsung, and Siemens.

Timely, local support is provided through CST's direct sales and technical support forces. Together with its highly qualified distributors and representatives, CST supports its EM products in over 30 countries.

CST's flagship product, CST MICROWAVE STUDIO® (CST MWS) is the leading edge tool for the fast and accurate simulation of high frequency (HF) devices such as antennas, filters, couplers, planar and multi-layer structures and SI and EMC effects. CST MWS offers considerable product to market advantages such as shorter development cycles, virtual prototyping before physical trials, and optimization instead of experimentation. Further information about CST is available on the web at www.cst.com.

About Acceleware

Acceleware develops and markets solutions that enable software vendors to leverage heterogeneous, multi-core processing hardware without rewriting their applications for parallel computing. This acceleration middleware allows customers to speed-up simulation and data processing algorithms, benefiting from high performance computing technologies available in the market such as multiple-core CPUs, GPUs or other acceleration hardware.

Acceleware solutions are deployed by companies worldwide such as Philips, Boston Scientific, Samsung, Eli Lilly, General Mills, LG, RIM, Medtronic, Hitachi, Fujifilm, FDA, Mitsubishi, Sony Ericsson, AGC, NTT DoCoMo, and Renault to speed up product design, analyze data and make better business decisions in areas such as electronic manufacturing, oil & gas, medical and security imaging, industrial and consumer products, financial, and academic research. For more information about Acceleware, please visit www.acceleware.com.

Acceleware is a public company on Canada's TSX Venture Exchange under the trading symbol AXE.

The TSX Venture Exchange Inc. does not accept responsibility for the adequacy or accuracy of this release.

###

Reader Contacts:

Charlee Forbrigger, Acceleware Corp.
+1 (403) 249-9099 ext. 287, charlee.forbrigger@acceleware.com

Ruth Jackson, CST - Computer Simulation Technology
+49 6151 7303-752, info@cst.com

Investor Contact:

Thomas McMillan, The Equicom Group
+1 (403) 536-5903, tmcmillan@equicomgroup.com