- PRESS RELEASE -

CST previews 2009 version of CST STUDIO SUITE

Atlanta, GA, June 17th 2008 - Computer Simulation Technology (CST) previews the next generation of electromagnetic simulation software, CST STUDIO SUITE™ 2009, including its flagship product CST MICROWAVE STUDIO® (CST MWS), at booth #933 at MTT-S IMS 2008.

Design engineers use CST STUDIO SUITE™ products to solve electromagnetic problems, utilizing the most appropriate solver technology, sophisticated import filters, and automated optimization and parametric studies.

Users will experience numerous enhancements when switching to version 2009, including transient EM/circuit co-simulation using the recently acquired Linmic circuit simulation technology, MPI based parallelization for the fast solution to large problems on clusters, and the porting of the user interface to 64 bit in order to handle the increasing complexity of imported models. In addition, CST STUDIO SUITE will be enhanced by two 2 new members: CST PCB STUDIO™ and CST CABLE STUDIO™.

“CST STUDIO SUITE has been developed to meet the evolving simulation needs of our customers,” commented Dr. Bernhard Wagner, Managing Director, Sales & Marketing, CST. “We have extended our product range while enhancing the performance of all our solutions, using feedback from the market place and pioneering numerical methods to keep us on track for the future.”

Key new features in CST STUDIO SUITE 2009

- New products for SI and EMC analysis
  - CST PCB STUDIO and CST CABLE STUDIO are fully integrated in CST DESIGN ENVIRONMENT™. Results can be used in CST MWS as field sources for further evaluation.
- New and enhanced solver technology
  - True transient 3D EM/circuit co-simulation using LINMIC technology with CST MWS
  - Transient thermal solver to simulate the heating process
  - Bio-heat equation for realistic modelling of physiological cooling.

  - Significant performance increase in Integral Equation solver, particularly for structures smaller than 20 wavelengths
  - Mesh snaps to geometry. The mesh adaption of tetrahedral frequency domain solver not only refines the mesh, but also improves the geometry approximation
- High performance
  - 64 bit frontend and MPI based parallelization for the handling of very large and complex structures
- User friendly
  - User interface optimized for productivity
  - Bend sheet operation for conformal modelling
  - Improved user/modeller interaction

Come and visit booth #933 at MTT-S IMS for more information about CST MWS 2009.

Availability

CST STUDIO SUITE™ 2009 will be available in Q4 2008.

About CST

CST develops and markets high performance 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. 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. With 150 employees worldwide and a network of qualified distributors, over 190 people are dedicated to the development and support of its EM products in more than 30 countries.

CST's flagship product, CST MICROWAVE STUDIO® (CST MWS) is the market leader in Time Domain simulation. It enables the fast and accurate analysis 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.

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Graphics

A screenshot of CST STUDIO SUITE 2009 can be downloaded from the news section of CST's website. This illustrates the 3D EM simulation of a mobile phone (a typical application for CST MICROWAVE STUDIO). The objectives of this simulation are the influence of the head and hand on the performance of the mobile phone's antenna, as well as the determination of the specific absorption rate (SAR).

Screenshot of interface with CST STUDIO SUITE™ 2009 packaging:
http://www.cst.com/Content/News/Documents/news_item_118/CST_STUDIO_SUITE2009.png
Screenshot of interface:
http://www.cst.com/Content/News/Documents/news_item_118/CST_MWS2009_antenna_SAM.png