

PRESS RELEASE

CST MICROWAVE STUDIO® 2006

Pre-release Version

October 4th, 2005 – Computer Simulation Technology (CST), Darmstadt, demonstrates pre-release version of CST MICROWAVE STUDIO® (CST MWS) 2006 at EuMW 2005, booth #507, Paris.

CST MICROWAVE STUDIO® (CST MWS) 2006 is nearing release. Users of the market leading Time Domain 3D EM simulator will benefit from a major re-design in the architecture and substantial new functionality. The most significant change is the use of the CST DESIGN ENVIRONMENT™ as a common access point to CST's solver technology. Structures are presented in 3D and schematic views and the comparison of models and co-simulation has been facilitated by a new multi-document interface.

"CST STUDIO SUITE™ 2006 facilitates the simulation of coupled problems including all kinds of electromagnetic and thermal analysis in an unprecedented way." Commented Eiji Tanabe, Ph.D., President of AET Japan, Inc. *"The CST tool is truly unique and undoubtedly the most complete 3D EM simulation package on the market."*

CST MICROWAVE STUDIO® 2006 New Key Features:

- Integrated CST DESIGN ENVIRONMENT™ enables 3D and schematic view of models. CST MWS basic license includes usage of RLC lumped elements with 3D EM structures in project schematic
- Easy coupling of EM with circuit and thermal analysis in one tool
- Automated co-simulation with Agilent Technologies' Advanced Design System
- Tetrahedral frequency domain solver completed: advanced true surface meshing, absorbing boundary conditions, farfields, gyrotropic media, lumped elements, arbitrarily shaped unit cells, adaptive meshing, adaptive broadband frequency sweep
- Improved interface with Cadence® Allegro®
- New PBA meshing algorithm, especially robust for highly complex imports

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- Dispersive materials' tabular entry of properties. Also applicable to Human data set
- JEDEC compliant automated bond wire creation. Solid or wire model
- New distributed computing scheme minimises data transfer and improves network error tolerance
- New postprocessing features including: farfield over lossy ground, new SPICE extraction scheme, average plots

About CST STUDIO SUITE™

The CST STUDIO SUITE™ comprises of CST's 3D EM simulation tools: the renowned CST MICROWAVE STUDIO® for high frequency applications, CST EM STUDIO™ for low frequency and statics and CST PARTICLE STUDIO™, for charged particle dynamics, and is rounded off with CST DESIGN STUDIO™ for synthesis and circuit simulation. All programs are accessible through the CST DESIGN ENVIRONMENT™ which facilitates multiphysics and co-simulation.

About CST

CST is one of the two largest suppliers of electromagnetic simulation software and has continuously enhanced its position as market and technology leader in 3D Time Domain simulation. With over 80 employees worldwide and a network of qualified distributors, 120 people are dedicated to the development and support of its EM products in more than 30 countries. Information about CST is available on the web at www.cst.com.

For further information please contact:

Ruth Jackson, Marketing Communications

Email: info@cst.com, Web: <http://www.cst.com>

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