- PRESS RELEASE -

CST Previews Major Product Release
at EuMW 2009

Rome, Italy, September 29th 2009, Computer Simulation Technology (CST) previews CST STUDIO SUITE™ 2010, including a new solver module for electrically large structures at EuMW, booth # 527.

Engineers who are confronted with electromagnetic problems will benefit from CST's latest software release, CST STUDIO SUITE™ version 2010, and its multitude of powerful new solver options, features and functionality.

Thanks to CST's complete technology concept, which offers different solution options within one design environment, a wide range of MW&RF applications can be analyzed without leaving the familiar, easy-to-use interface. CST has further extended its range of high frequency solvers in CST MICROWAVE STUDIO®, this time adding an asymptotic solver. This solver is based on the Shooting Bouncing Ray method, an extension to physical optics, and is capable of tackling simulations with an electric size of many thousands of wavelengths such as radar cross section analysis.

CST MWS' frequency domain solver is a widely used tool in the EM simulation world. After the introduction of true geometry adaptation with version 2009, the inclusion of third and mixed order elements will further increase simulation efficiency and speed. The frequency domain solver is also the first solver to feature CST's new sensitivity analysis approach.

Engineers working on electromagnetic compatibility will appreciate the integration of CST MICROSTRIPES™ into CST STUDIO SUITE. This facilitates access to features particularly valuable in EMC simulations, such as compact models and Octree meshing within the well-know design environment.

"This release is a milestone in the area of electromagnetic simulation. No other software package delivers solutions for this breadth of EM applications ," stated Dr. Bernhard Wagner, Managing Director, Sales and Marketing, CST. *"Focus is important and we will continue to put all our resources and energy into this exciting engineering field."*

Highlights of CST STUDIO SUITE 2010

- New Products in CST STUDIO SUITE 2010
    - Asymptotic solver based on the SBR method for electrically very large structures
    - CST MICROSTRIPES fully integrated into the design environment
    - New power integrity solver
    - CST MPHYSICS STUDIO for thermal (including bio-heat) and mechanical stress analysis of electromagnetic devices
- CST simulation acceleration scheme enables access to all acceleration options (Cluster, GPU and distributed computing) via tokens.
- CST DS, CST's RF circuit and system simulation tool, is now part of the standard CST STUDIO SUITE 2010 license
- EDA import tokens provide flexible access to all major EDA flows
- Sensitivity and yield analysis
- Broadband field interfaces enable easy coupling of different CST simulation tools

 Availability

CST STUDIO SUITE™ 2010 is due for release in January 2010.

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 160 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 can offer 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 http://www.cst.com.

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For further information please contact:

Ruth Jackson, Marketing Communications, CST

Tel: +49 6151 7303-752

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

Graphics

PR graphics can be downloaded from the news section of CST's website at:

www.cst.com/content/news/documents/news_item_141/0909_CSTS2_2010_PR.zip

"The CST STUDIO SUITE graphical user interface. 3D EM simulation of cancer treatment by RF thermoablation: a catheter is used to apply a 40 W signal at 375 MHz to a tumor in the liver. The bioheat equation solver is used for the realistic simulation of the resulting temperature distribution."