

- PRESS RELEASE -

## CST Announces CST EMC STUDIO

**Darmstadt, Germany, January 28, 2015: CST – Computer Simulation Technology (CST) announces CST EMC STUDIO, a product for electromagnetic compatibility (EMC) and electromagnetic interference (EMI) analysis, at stand 627 during DesignCon 2015.**

EMC is an important consideration in product design across a wide range of industries. CST develops electromagnetic simulation solutions that help identify potential compliance issues before the actual prototype is built, and to analyze products that fail compliance testing. Engineers can study effects such as radiated or conducted emissions in consumer electronics devices, or susceptibility to electrostatic discharge, lightning strike and high-intensity radiated fields (HIRF). With CST EMC STUDIO, CST directly addresses the unique requirements of this market.

CST EMC STUDIO contains a toolkit of proven solver technology for the study of EMC effects, with general purpose 3D modules for time and frequency domain simulation alongside more specialized solvers. In particular, it includes the 3D transmission line matrix (TLM) method solver, which implements technology that simplifies numerical EMC analysis, such as compact models and octree meshing. The bidirectional cable/field simulation enables more realistic modeling of noise propagation and radiation over cables. True transient EM/circuit helps analyze the effect of nonlinear circuitry on EMC performance.

Radiated and conducted emissions from PCBs can play a critical role in EMC performance of devices. For analyzing printed electronics, the powerful import functionality and the EMC rule checker are of interest. EDA import formats supported include those used in Cadence® Allegro®, Mentor Graphics® Xpedition®, Zuken® CR8000 and ODB++ databases. The EMC rule checker allows the detection of potential problems on PCBs that can be then analyzed in 3D by the full wave solvers.

*“In the last few years, we’ve seen increasing interest in our products from the world of EMC analysis,”* said Dr. Bernhard Wagner, Managing Director, CST. *“Through the development of simulation tools and specialized workflows specifically for this segment, numerical EMC analysis can be integrated earlier in the design process. With the introduction of CST EMC STUDIO, we further demonstrate our commitment to this field.”*

CST EMC STUDIO is now available. Please contact your local sales representative for further information.

### **About CST**

Founded in 1992, CST offers the market's widest range of 3D electromagnetic field simulation tools through a global network of sales and support staff and representatives. CST develops CST STUDIO SUITE, a package of high-performance software for the simulation of electromagnetic fields in all frequency bands, and also sells and supports complementary third-party products. Its success is based on a combination of leading edge technology, a user-friendly interface and knowledgeable support staff. CST's customers are market leaders in industries as diverse as telecommunications, defense, automotive, electronics and healthcare. Today, the company enjoys a leading position in the high-frequency 3D EM simulation market and employs 260 sales, development, and support personnel around the world.

Further information about CST is available on the web at <https://www.cst.com>.

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### **For further information please contact:**

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### **Trademarks**

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