

## PRESS RELEASE

### CST announces new solver module in CST MICROWAVE STUDIO®

March 21st, 2006, CST - Computer Simulation Technology announces augmentation of its 3D EM field solver palette. The new module, based on the Multilevel Fast Multipole Method (MLFMM), is dedicated to tackling electrically large problems and will be available in Q3 of 2006.

Design engineers engaged in areas such as automotive, aerospace & defence and emc, have long recognised the benefits of CST MICROWAVE STUDIO®'s (CST MWS) Time Domain solver for its unparalleled capability to solve very complex structures. The newly implemented MLFMM solver, however, opens up new possibilities to users in terms of structure size. The MLFMM solver will be able to solve structures much larger than 20 wavelengths and is of particular interest because of its ability to deal with dielectric losses. Typical application examples include antenna placement on an airplane and radar cross section (RCS) calculations of large scattering objects. As with all solvers in CST STUDIO SUITE™, its integration in CST DESIGN ENVIRONMENT™ is seamless and based on the same easy to use modeller and frontend.

*"CST is dedicated to providing the most complete technological offering for the high frequency EM market" said Dr. Peter Thoma, Managing Director, R&D, CST. "The addition of our new MLFMM solver to CST STUDIO SUITE™ ensures that design engineers dealing with electrically large structures can efficiently calculate highly accurate solutions, keeping them at the forefront of product development."*

#### **About CST STUDIO SUITE™**

The CST STUDIO SUITE™ comprises 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 90 employees worldwide and a network of qualified distributors, 130 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](http://www.cst.com).

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