



Simberian News | February 15, 2011

...from Simberian Inc.

Welcome to the latest edition of Simberian News!

Simbeor Takes the Prize – Again!...

We are happy to announce that recently released version 2011 of our Simbeor electromagnetic signal integrity software has received prestigious 2011 DesignVision award in the PCB Design Tools and Technologies category at DesignCon 2011 conference earlier this month. This is the second DesignVision award for Simbeor software. Simbeor 2011 further increases productivity of signal integrity engineers, contains a host of new tools and features, is much faster, more accurate, even more user-friendly, and is still the most affordable electromagnetic tool on the market!

Here are the highlights of the 2011 release (see the complete list in “What is new in Simbeor 2011” presentation available in Downloads section of our web site):

- Available as a 64-bit application to handle larger boards and problems
- New N^2 massively parallelized electromagnetic analysis in Simbeor 3DML to solve larger problems an order of magnitude faster and more accurately
- Simbeor Rational Compactor™ tool is parallelized to accelerate all macro-modeling tasks
- New intuitive graphical network editor with linear elements to simulate interconnects
- New SiTune™ tool for automation of material parameters identification
- New measurement-validated causal nickel model for precise characterization of ENIG finish
- New configurations in via-hole and transmission line wizards
- Import of board geometry from PADS layout files
- Multiple interface improvements and enhancements

Simbeor 2011 includes Touchstone Analyzer™ - the industry-first S-parameters quality assurance and macro-modeling automation tool. It automatically finds all your Touchstone models, estimates and visualizes quality metrics of the models, quickly plots data from selected files, builds macro-models for groups of selected Touchstone files and converts them into either broad-band SPICE macro-models or back into improved Touchstone models.

Simbeor 2011 software has been validated with measurements by multiple companies over the frequency band from DC up to 50 GHz. Results of some projects have been recently reported at DesignCon 2011. Papers and presentations are available at our web site. Simbeor beats the competition when it comes to validation with measurements.

Our customer says that "Overall, version 2011 is a much improved user experience (larger circuits, faster, impedance estimates when adjusting T-line width, renaming in Solution Explorer) - great work." **Download and try Simbeor today**, or let us know if you would like to have an overview and demo of Simbeor at your company site or over the internet.

Sincerely,
Team Simberian

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