

Simberian News | January 21, 2013

...from Simberian Inc.

Welcome to the latest edition of Simberian News!

Simbeor 2013 is here...

We are happy to announce that **Simbeor 2013 is now available** for our customers and for evaluation. Simbeor 2013 further increases accuracy of interconnect analysis and productivity of signal integrity engineers and is the most affordable electromagnetic signal integrity software on the market!

Please visit our booth #626 at the upcoming DesignCon 2013 (Jan. 29-30, Santa Clara Convention Center) to see a demo of new features in Simbeor 2013, including Board Analyzer ([here is a link for free exhibit pass](#)).

Here are the highlights of the 2013 pre-release (see the complete list in "What is new in Simbeor 2013" presentation available in [Downloads section of our web site](#)):

- 1) Quasi-static fields solver for analysis of large cross-sections and squared strips;
- 2) Non-uniform transmission line models to simulate resonances and skew due to the weave effect;
- 3) Import of geometries from HyperLynx hyp-format;
- 4) New analysis of cross-talk effect on eye diagram for serial channels;
- 5) New solvers for linear networks based on Y and S-parameters for extremely large circuits (for multiports with tens of thousands of ports);
- 6) New Debye-Lorentz dielectric model with optimizable poles and residues;
- 7) Multiple improvements and fixes for all reported problems.

Pre-release version of [Simbeor 2013 is available immediately](#). Just download the installer, install it into suggested directory and follow the instruction to obtain your free additional term or evaluation license (do not install it over Simbeor 2012). Simbeor 2013 client version works with Simbeor 2012 server. Final version of Simbeor 2013 will be released in March 2013 and will also have new Board Analyzer™ tool for electromagnetic decompositional post-layout analysis.

Simbeor software has been validated with measurements by multiple companies over the frequency band from DC up to 50 GHz. Results of some projects will be reported at the upcoming DesignCon 2013 in tutorial 14-MP2 "Elements of decompositional electromagnetic analysis of interconnects" (Ballroom H, 1:30 pm - 4:30 pm, Monday, January 28) and paper 5-WA4 "Which one is better? Comparing Options to Describe Frequency Dependent Losses" (Ballroom E, 11:05 am - 11:45 am, Wednesday, January 30).

Simbeor evaluator and now customer said "I have been able to evaluate Simbeor, and I am in general very pleased with it. It is a breath of fresh air compared to what I had to endure with our "corporate tool of choice"...". **[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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