

## Simberian News | July 3, 2012

...from Simberian Inc.

Welcome to the latest edition of Simberian News!

### Simberian webinars now online...

If you missed Simberian technical webinars on advanced modeling of interconnects, recorded webinars and presentations are now available at [the webinars section of our web site](#):

1) **Quality of S-parameter models.** S-parameter models are becoming ubiquitous in design of multi-gigabit serial interconnects. Very often such models have quality issues and produce different time-domain and even frequency-domain responses in different solvers! All S-parameter models must be pre-qualified for the analysis. This webinar explains theory of S-parameter model quality evaluation and improvement.

2) **Material parameters identification with generalized modal S-parameters.** Any meaningful electromagnetic signal integrity analysis must start with the identification of broadband models for dielectrics and conductor surface roughness. Possible material models suitable for PCB and packaging problems and identification techniques are discussed. Material identification with generalized modal S-parameters is explained and demonstrated in this webinar.

3) **Pre- and post-layout decompositional electromagnetic analysis of serial interconnects.** Interconnects of a typical serial channel contain transmission lines (planar or cables) and discontinuities in the lines such as via-holes and connectors. De-compositional electromagnetic analysis of such structures is the most effective and accurate way to solve signal integrity problems. Modeling of interconnect elements and advantages and limitations of the decompositional technique are discussed in this webinar.

Simberian webinars explain advantages and limitations of analysis technology used in our Simbeor electromagnetic signal integrity software. [Click here to 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. See demo of some latest Simbeor features at [the demo-video section of our web site](#). [A brief overview of Simbeor software is provided here](#).

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