



Simberian News | February 16, 2010

...from Simberian Inc.

Welcome to the latest edition of Simberian News!

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1) Simbeor won prestigious DesignVision 2010 award

The annual IEC DesignVision Awards program recognizes new technologies, applications, products and services that are judged to be the most unique and beneficial to the industry and was selected by a panel of experts from the members of the DesignCon 2010 Technical Program Committee. This year Simbeor software has been selected as the best new tool in PCB Design Tools and Technology category. Simbeor is the industry-first electromagnetic tool developed for the signal integrity engineers to enable accurate de-compositional electromagnetic analysis of interconnects at low cost. It provides a complete set of features for exploration and verification of interconnects on PCBs with the unique broad-band electromagnetic models validated with experiments up to 50 GHz for analysis of channels with data rates up to 100 Gb/s.

2) S-parameters quality metrics

Our collaborative Samtec-Simberian-Teraspeed-Verigy tutorial on S-parameters quality metrics was a huge success at DesignCon2010 – 177 engineers attended and we have received very good reviews and a lot of feedback. All presentations from the tutorial can be downloaded from here. All examples created for illustration of theoretical part of the tutorial are generated with the free Level Zero license of Simbeor and are available in the Simbeor Examples section.

3) Material parameters identification

Material parameters identification was the subject of many papers and discussions at the recent DesignCon2010. Together with Teraspeed we have proposed a novel method for broad-band identification of dielectric and conductor properties. The method is the simplest possible – the proof in the paper and presentation. You can find the final paper in Publications/ Technical Papers section and presentation slides with the new measured data in the Presentation section (#4) of our web site. All examples of material parameters identification are also available in the Simbeor Examples section.

Our customer says that "By employing the Simbeor tool for stripline PCB analysis, you not only get an advanced tool capable of precise material characterization, but also world-class technical support for all of your modeling and material questions by an expert in the field." Click here to see the licensing options. Download and try Simbeor today, or let us know if you would like to have an overview and demo of Simbeor 2008.01 at your company site or over the webex.

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