

Simberian News: January 16, 2018

«GreetingLine»

We invite you to attend the oncoming [DesignCon 2018 conference and exhibition](#), January 30 - February 1st at the Santa Clara Convention Center. [Here is your VIP guest invitation from Simberian for free Expo Pass or for all access or 2-day pass with 20% discount.](#) **Visit our booth #700 to see what is new in the upcoming release of Simbeor THz.**

Elements and results of the systematic approach to PCB interconnects analysis to measurement validation will be presented by Marko Marin from Infinera and Yuriy Shlepnev from Simberian at session 40 GHz PCB Interconnects Validation: [Expectations vs. Reality](#), 9:00 - 9:45 AM, January 31st, 2017. Attend this session to learn how to design interconnects that meet your expectations. Yuriy will also “perform” at the Chiphead Theater at 2:15 - 3:15 AM on January 31st in “[How Interconnects Work: The Easy Way](#)”. At this interactive session, he will introduce some basic concepts of the interconnect behavior (loss, coupling, localization) through the power of 3D visualization and animation of electromagnetic fields, currents and power flow densities. This session can be attended with free Expo Pass - do not miss it!

At Simberian’s booth #700 we will demonstrate updated cloud version of Simbeor THz software accelerated with distributed computing. New features include automatic post-layout de-compositional analysis in Board Analyzer, adaptive mesh generator in 3DTF field solver, new causal Huray-Bracken conductor roughness model, and improved conformal solder mask model. All that to improve productivity and accuracy of Simbeor THz. Visit our booth to see the following live demos:

- Broadband dielectric and conductor roughness models identification with separation of dielectric and conductor roughness losses;
- Pre-layout electromagnetic optimization of interconnects to minimize reflections and cross-talk;
- Automatic post-layout electromagnetic analysis and validation of PCB interconnects;

Simbeor THz is two-time DesignVision award-winning electromagnetic signal integrity software for physical design of PCB and packaging interconnects operating up to THz frequency range. Simbeor THz provides unique systematic approach to the interconnect design that starts from the material model identification and guaranties the analysis to measurement correlation at the end. Visit www.simberian.com to learn more or to download and try Simbeor THz.

**We are looking forward to see you all at DesignCon,
Team Simberian**

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