

Simberian News: January 9, 2017

«GreetingLine»

We invite you to attend the oncoming [DesignCon 2017 conference and exhibition](#), January 31st - February 2nd 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 15% discount.](#)

At Simberian's booth #527 we will demonstrate new version of Simbeor THz software accelerated with grid computing - parallelized on loosely coupled network of computers, local or in a cloud. New features include improved 3DTF field solver, support for PAM-4, new option to unite s2p and s4p S-parameter models into one model, new dielectric models (Cole-Cole, Cole-Davidson and Havriliak-Negami). The following live demos will be scheduled for every hour or provided on demand:

- **Unique 3D visualization of EM fields and power flow density in typical interconnect structures** with explanation of "[How Interconnects Work](#)".
- S-parameters quality assurance and improvement;
- Broadband dielectric and conductor roughness models identification with GMS-parameters, SPP and new Gamma-T techniques, separation of dielectric and conductor roughness losses;
- Pre-layout electromagnetic analysis and optimization of interconnects to minimize reflections and cross-talk;
- Post-layout electromagnetic analysis and validation of interconnects with signals up to 56 Gbps or bandwidth up to 50 GHz;

Simberian's founder, Dr. Yuriy Shlepnev will be co-presenting the following papers at DesignCon: [Cost-effective PCB Material Characterization for High-volume Production Monitoring](#), February 1st, 8:00-8:45am.

[Back to basics: The Onset of Skin-Effect in Circuit Board Traces](#), February 1st, 10:00-10:45am.

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 guarantees 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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