

Simberian News: April 30, 2020

Here is an update on what is new at Simberian: (1) **Simbeor 2020 release and updates**; (2) **“How to...” training videos**; (3) **DesignCon 2020 paper and presentations**; (4) **Jobs at Simberian**.

(1) Simbeor 2020 was recently released and updated (Simbeor THz, SDK and Agents) – see [list of new features and how to use them](#), and [update log](#). Thanks everyone for providing feedback and bug reports. We keep improving Simbeor accuracy and productivity. To make Simbeor the most cost-efficient electromagnetic signal integrity software, we recently introduced new low-cost node-locked licensing options - see [Prices and Order Form](#). Simbeor + COM or similar scripts or Simbeor + PyBERT for analysis with IBIS-AMI models is all you need to design predictable serial interconnects up to 112 Gbps!

(2) Learn how to effectively use Simbeor 2020 for analysis and optimization of all elements of PCB links from 19 new “How to..” demo-videos. To get notification about the upcoming demos, subscribe to [Simbeor channel at YouTube](#). All videos show how to solve a particular interconnect design problem step by step in real time. Learn how to: investigate material selection and stackup building choices with analysis of transmission lines and viahole transitions; evaluate possible crosstalk and create rules for traces and vias; optimize vias, connector pads, launches and BGA breakouts and AC cap placement. Pre-layout is the most important part of the interconnect design, but the accuracy will depend on how accurate are material models and manufacturing. To ensure the accuracy, evaluate your manufacturer and identify material models first with test boards – examples of such projects are available on request.

(3) If you missed DesignCon 2020, joint Intel-Simberian paper and presentation “Machine Learning Applications for COM Based Simulation of 112Gb Systems” is now available at [“App Notes and Papers”](#). Prototypes of Matlab scripts (Simbeor SDK + COM) used to generate data for the range analysis are also available in [examples](#).

Slides from joint Xilinx-Simberian tutorial “Design Insights from Electromagnetic Analysis & Measurements of PCB & Packaging Interconnects Operating at 6- to 112-Gbps & Beyond” are now available in [presentations section](#) – see #2020_02. It has a lot of practical material to learn from.

(4) Simberian is looking for a [Senior Application Engineer](#), to provide support and training, and [Principal Software Engineer](#), to develop system-level capabilities in Simbeor.

For more information visit www.simberian.com or contact Simberian at info@simberian.com.

**Best regards,
Team Simberian**

Sales Email: sales@simberian.com
Support Email: support@simberian.com
Web Site: www.simberian.com
Telephone: 1-702-876-2882

Simberian Inc.
2629 Townsgate Rd. Suite #235.
Westlake Village, CA 91361
USA

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