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| ­**Press release** | 24 August 2020 |
| EMV Seminars 2020: Valuable further training for practical use  | Vineeta ManglaniTel. +49 711 61946-297Vineeta.Manglani@mesago.commesago.de/ems |

**Fall this year is all about further training. The practice-oriented seminar by EMC expert Lee Hill provides important knowledge on effective PCB design strategies.** **The seminar will be available online and in real-time.**

From 6 ­­– 7 October 2020, EMC users can look forward to a 2-day seminar entitled “Advanced PCB Design for EMC and Signal Integrity”. The seminar by Lee Hill, Founding Partner of SILENT Solutions LLC, consists of a unique blend of theory and applications to illustrate effective PCB design strategies.

Participants can enjoy hardware demonstrations in real-time to illustrate inductance, common-impedance coupling, common-mode current, and ground loops in PCBs, cables, and systems. Furthermore, instructor Lee Hill will also discuss specific instances of single-point, multi-point, "good", and "bad" grounds.

Another highlight of the seminar will be the examination of actual SILENT client case histories as well as examples of integrated circuit application notes that give bad EMC design advice.

The seminar is intended for electrical design engineers and EMC engineers who design circuit schematics as well as PCBs who are interested in PCB design techniques to improve:

* regulatory EMC performance, i.e., emissions and immunity of and to digital, analog, and mixed signal designs
* functional performance of sensors, switch mode power supplies either as victims of noise or sources of noise
* low frequency and high frequency signal fidelity, especially of analog signals

Registration is available at [mesago.de/ems](https://emv-seminars.mesago.com/events/en/registration.html).

Early bird rates are still valid until 8 September 2020.

Further background information on the seminars in German and the program including speakers can be found at [emv-seminars.com](https://emv-seminars.mesago.com/events/en.html).

**About Mesago Messe Frankfurt**

Mesago, founded in 1982 and located in Stuttgart, specializes in exhibitions and conferences on various topics of technology. The company belongs to the Messe Frankfurt Group. Mesago operates internationally and is not tied to a specific venue. With 160 members of staff Mesago organizes events for the benefit of more than 3,300 exhibitors and over 110,000 trade visitors, conference delegates and speakers from all over the world. Numerous trade associations, publishing houses, scientific institutes and universities work with Mesago closely as advisers, co-organizers and partners. ([mesago.com](https://www.mesago.de/en/Mesago/home.htm))

**Background information on Messe Frankfurt**

Messe Frankfurt is the world’s largest trade fair, congress and event organiser with its own exhibition grounds. With more than 2,600 employees\* at 30 locations, the company generates annual sales of around €733 million\*. We have close ties with our industry sectors and serve our customers’ business interests efficiently within the framework of our Fairs & Events, Locations and Services business fields. One of the Group’s key USPs is its closely knit global sales network, which extends throughout the world. Our comprehensive range of services – both onsite and online – ensures that customers worldwide enjoy consistently high quality and flexibility when planning, organising and running their events. The wide range of services includes renting exhibition grounds, trade fair construction and marketing, personnel and food services. Headquartered in Frankfurt am Main, the company is owned by the City of Frankfurt (60 percent) and the State of Hesse (40 percent).

For more information, please visit our website at: [www.messefrankfurt.com](http://www.messefrankfurt.com)

\*preliminary figures 2019