

2018
DRESDEN
APRIL 17-19
JUNE 13-14
SEPTEMBER 11-13

WORLD-CLASS EMC/EMI TRAINING COMES TO DRESDEN, GERMANY

- **Applying Practical EMI Design & Troubleshooting Techniques**
- **Advanced Printed Circuit Board Design for EMC + SI**

ABOUT THE INSTRUCTOR:



Lee Hill is Founding Partner of SILENT, an independent EMC and RF design firm established in 1992 that specializes in EMC and RF design, troubleshooting, and training. Lee received his MSEE from the University of Missouri-Rolla EMC Laboratory, (now MS&T) emclab.mst.edu. He is a member of the adjunct faculty at [Worcester Polytechnic Institute \(WPI\)](http://Worcester Polytechnic Institute (WPI)), and an EMC course instructor for the University of Oxford (England) and the IEEE EMC Society's Global University. He is a past EMC instructor for UC Berkeley, Agilent, and Hewlett Packard.

With over 25 years of EMC design and troubleshooting experience, Lee consults and teaches worldwide, and has presented classes in Taiwan, Singapore, Mexico, Norway, South Korea, Canada, France, Germany & United Kingdom. Lee is a past member of the IEEE EMC Society's Board of Directors (2004-2007).

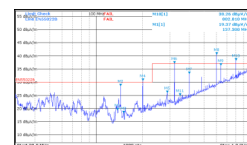
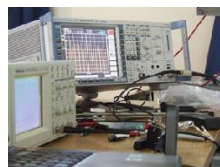
Taught by Lee Hill, MSEE, SILENT Solutions GmbH
Member of Adjunct Faculty, Worcester Polytechnic Institute



Each seminar provides 2 full days of interactive and intensive classroom instruction and hardware demonstrations

After attending these classes, you will be able to:

- Systematically analyze and solve noise problems by using the noise model
- Minimize EMI by designing low inductance signal interconnects
- Understand ground loops, how to model them, and how to eliminate them
- Clearly identify and manage the different types of "ground" in schematics and physical circuits
- Identify "accidental antennas" in new designs
- Understand and measure common-mode current in emissions and immunity problems
- Improve the quality of sensor and instrumentation signals in the presence of noise



[Download Course Syllabus](#)

SILENT

Solutions for your noisy world.

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SILENT provides
EMC Education Worldwide
through Worcester Polytechnic Institute (WPI),
and University of Oxford

Are you frustrated with high frequency noise problems? Tired of failing radiated emissions requirements at EMI test labs? Looking for a logical, systematic way of analyzing and solving electrical noise problems that is based on the latest academic research? Sign up now for North America's premier EMC design & troubleshooting educational event!

This class presents a unique blend of applications, hardware demonstrations, and supporting theory to help design engineers and EMC engineers master key electrical noise reduction techniques. The underlying theory and techniques are equally applicable during design or troubleshooting of regulatory compliance, electrostatic discharge (ESD), RF/wireless, and self-interference problems.

TESTIMONIALS

"Lee effectively penetrates those impenetrable greek equations with simple insights, and de-funking many common EMC myths - converting magic to practice."

"Good teacher, good tech chops, good passion, loved it!"

"Hardware Demos were very, very helpful"

"Everything you didn't learn about EMC in college but wish you had! Never heard such a complex subject spoken about in such a clear way"

"Give him longer. Would have stayed 2 more hours. Wonderful summary to Global University. Very Clear. Clearly in control of his material"

"If your company designs electrical products, you need your engineers to take this course. For all those EMC topics and solutions never covered in school, this course hits them all"

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TO REGISTER

ONLINE

<http://silentde2018.eventbee.com>

Registration Form

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Applying Practical EMI Design & Troubleshooting Techniques

April 17 & 18
June 13 & 14
September 11 & 12

Advanced PCB Design for EMC + Signal Integrity

April 17 & 19
September 11 & 13

Discounts & Duration

Fee: 995 € per person / per seminar

Note: Each seminar individually is 2 days
Both seminars taken together is 3 days
Day #1 is common to both seminars
Lunch included each day

Discounts: Register for both seminars and receive a 400 € discount

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SILENT Partner Companies



CLASS LOCATION:

LANGER EMV-TECHNIK
ROSENTITZER STR 73
01728 BANNEWITZ, GERMANY

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