OCTOBER
22–25, 2024

LIVE, IN-PERSON EMC TRAINING MUNICH, GERMANY 2024

- ***Applying Practical EMI Design & Troubleshooting Techniques***
- ***Advanced Printed Circuit Board Design for EMC + SI***
- ***Mechanical Design** (enclosure and cable shielding) **for EMC***

Taught by Lee Hill, MSEE, SILENT Solutions GmbH
Member of Adjunct Faculty, Worcester Polytechnic Institute
EMC course instructor, University of Oxford (England)

Each 2-day course is an intensive and interactive classroom experience that includes many hardware EMC demonstrations. Each course shares a common first day on October 22.

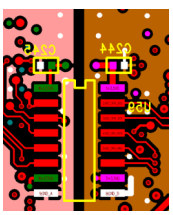
ABOUT THE INSTRUCTOR:

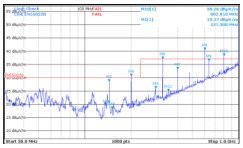
Lee Hill is Founding Partner of SILENT, an independent EMC and RF design firm established in 1992 that specializes in EMC and RF design, troubleshooting, and training. Lee received his MSEE from the University of Missouri-Rolla EMC Laboratory, (now MS&T) emclab.mst.edu. He is a member of the adjunct faculty at Worcester Polytechnic Institute (WPI), 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 30 years of EMC design and troubleshooting experience, Lee consults and teaches worldwide, and has presented classes in Singapore, Taiwan, Mexico, Norway, South Korea Canada, France, Germany, Poland, Portugal, Italy & United Kingdom. Lee is a past member of the IEEE EMC Society's Board of Directors (2004-2007).

After attending these courses, you will be able to:

- Systematically analyze and solve noise problems by using the noise model
- Understand and solve radiated emissions, immunity, and ESD problems
- 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
- Understand modern high frequency digital power decoupling
- Understand and measure common-mode current in order to characterize and solve both regulatory and functional noise problems
- Improve the quality of sensor & instrumentation signals in the presence of noise





SILENT
Solutions for your noisy world.

Course content is identical to that which is presented annually at the University of Oxford, England. Download course syllabus.

OCTOBER 22–25, 2024 MUNICH (FREIHAM)

SILENT provides
EMC Education Worldwide
through **WPI, University of Oxford,** and via our partners
Rohde & Schwarz, Wurth Electronics Midcom and Langer EMV

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

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Training fee: €1195 per person, per course, plus VAT.
Complimentary catered lunch provided each day.

Day #1 is common to all courses

Discounts: Early Registration (expires 9/20/24) receive a €100 discount
Register for two courses and receive a €400 discount
Register for all three courses and receive an €800 discount
Email for quotation. Corporate POs accepted (NET 30 only)

Download course syllabus here

SILENT Partner Companies

WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

ROHDE&SCHWARZ

LANGER EMV-Technik

COURSE LOCATION:

WÜRTH MÜNCHEN-FREIHAM
HITECH INNOVATION CENTER
CLARITA-BERNHARD-STR. 9
81249 MUNICH

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