

OCTOBER
17–20, 2023
MUNICH (FREIHAM)

LIVE, IN-PERSON EMC TRAINING MUNICH, GERMANY, FALL 2023

TO REGISTER

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

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) em-clab@mst.edu. He is a member of the adjunct faculty at [Worcester Polytechnic Institute \(WPI\)](https://www.wpi.edu/), and an EMC course instructor for the [University of Oxford \(England\)](https://www.ox.ac.uk/) and the [IEEE EMC Society's Global University](https://www.ieee.org/). 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 Singapore, Taiwan, 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).

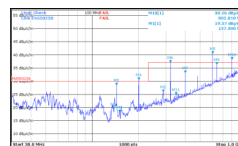
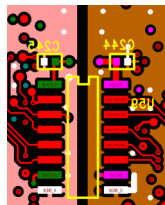


Taught by Lee Hill, MSEE, SILENT Solutions LLC
Member of Adjunct Faculty, Worcester Polytechnic Institute
EMC course instructor, University of Oxford (England)

Each 2 day course is an intensive and interactive classroom experience that includes many hardware EMC demonstrations

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 and 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](https://www.ox.ac.uk/). [Download course syllabus.](#)

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SILENT provides
EMC Education Worldwide
through WPI, University of Oxford, and via our partners
Würth Elektronik, Rohde & Schwarz, and Langer EMV

TO REGISTER



ONLINE

<https://silent-munich-2023.eventbee.com>

EMAIL

courses@silent-solutions.com

PHONE +1 (603) 578-1842 x201

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 FROM OUR MUNICH 2022 COURSES

"I would definitely recommend this course to all engineers developing hardware and especially to those having trouble with EMC. With clear explanations and demonstrations, Lee makes the "black magic" go away and brings the fundamentals of EMC problems and solutions in a way I could understand and have tools in the future to improve my designs."

"I really liked how Lee showed many tips, experiments, and the right mix of theoretical and practical topics."

"This workshop provides the best overview of EMC topics to an engineer in this field"

Training fee: €1095 per person, per course.

Day #1 is common to all courses

Discounts: Early Registrations (expires 9/15/23) receive a €100 discount

Register for two courses and receive a €400 discount

Register for all three courses and receive an €800 discount

Email courses@silent-solutions.com for discount codes.

Credit cards and Corporate POs accepted (NET 30 only)

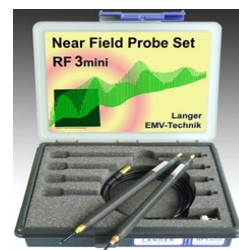
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