Azitech ApS hereby invites you to two unique PCB seminars - one focusing on HDI and the other on Noise, EMI, and Signal Integrity. Your instructors for these events will be the HDI specialist, Happy Holden and the PCB specialist, Richard Hartley, both from USA. Their recognition inside the PCB industry is one of a kind. They are truly the best of the best. This is a “must-attend” event!

**Happy Holden seminar**

**SEMINAR DESCRIPTION**

HDI has become the most widely used emerging technology for high-performance electronics, with fine-pitch and high I/O BGAs being a major driver. The seminar is divided into four phases, over two days, that follow the implementation program:

1. Introduction to HDI Fabrication Technologies
2. Advanced HDI Technologies and Performance
3. HDI Design Strategies
4. Using HDI in your Products

This is an intense course, but it will provide a detailed enough training to understand the challenges and work required to be successful in HDI product implementation.

**WHAT YOU WILL LEARN**

- What are the critical Printed Wiring Boards (PWBs) and Microvias (HDI) Fabrication Technologies that are needed?
- What are the critical differences in TH versus HDI PCB design?
- Understanding the changes in PCB materials due to RoHS and HDI fabrication.
- How electrical performance can be improved with HDI strategies.
- Working with fabricators and sorting ‘hype’ from actual capabilities.
- The importance of custom test vehicles to evaluate new materials, fabricators, and design strategies.
- And much more!

**VENUE**

Anker Hotel - Oslo, Norway
22.-23. October 2014
€ 1080 excl. hotel
€ 1080 incl. hotel (2 nights)

**SIGN UP**

You can sign up at: www.azitech.dk/events
For more information, please call: +45 69 66 33 10 or write: mju@azitech.dk

**Richard Hartley seminar**

**SEMINAR DESCRIPTION**

Knowing how to design circuit boards to contain and control energy (fields) and knowing how to mitigate and control the effects of high-speed devices is the key to successful design of low-noise circuits. This 2 day workshop by Richard Hartley is a crisp focus of the issues PCB Designers and Engineers need to know to prevent signal integrity, EMI, crosstalk and grounding problems in high-speed digital and mixed signal designs.

This will be Richard Hartley’s first time in Denmark. He has dedicated the past 40 years to PC boards and circuit development. This is truly a great experience and networking opportunity.

**WHAT YOU WILL LEARN**

- Skills to lower the EMI signature of your system.
- Techniques that will improve the chance of your PCB boards working the first time, all without noise or EMI problems.
- Learn the exact causes of noise and signal integrity, exactly why it happens and how to prevent it from occurring.
- Learn not only what to do, but ‘why’ the techniques always work.
- And much more!

**VENUE**

Radisson Blu - Odense, Denmark
19.-20. November 2014
€ 1500 excl. hotel
€ 1750 incl. hotel (2 nights)

**SIGN UP**

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