



# European PCB Designer Day 2017

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European PCB Designer Day

Date: June 21st, 2017

Location: Hotel Marivaux, Brussels, Belgium

10:00-10:30 Registration

10:30-11:10

**Design applications/Low Loss**

Alun Morgan, EIPC European Institute for the PCB Community

11:10-11:50

**Copper Roughness and how to account for it**

*How understanding the impact of copper roughness on insertion loss lets you make intelligent high speed material choices*

Marty Gaudion, Polar Instruments

11:50-12:30

**Safe Testing of Complex UUTs**

*The combination of increasingly complex electronic components and the requirement for smaller PCBAAs has lead to the need for more stringent test methodologies which not only identify board level issues but protect the UUT from potential catastrophic damage at initial power up. We will discuss potential causes and propose a solution to minimise the likelihood of PCBA scrappage.*

Wayne Morgan, Eiger Design GmbH

12:30-12:45 Panel discussion

12:45-13:45 Lunch

13:45-14:25

**Principles of EMC and High-Speed Signal behaviour on PCB**

*Simulation and controlling the creation and propagation of EM fields*

Prof. Rainer Thüringer, FED & TH-Mittelhessen

14:25-15:05

**The Proportional Land Dimensioning Concept**

*As electronic components are becoming ever smaller, optimized footprints are required for reliable electronic assemblies - the New Proportional Land Dimensioning Concept is a solution for this challenge.*

Rainer Taube, TAUBE ELECTRONIC

15:05-15:45

**3 Dimensional & embedded electronics – by example of real designs**

*Due to the need of miniaturisation in the medical sector implantable pcb assemblies have to be shrinked more and more. A clever combination of different techniques helps to find a adequate solution.*

Michael Matthes, WITTENSTEIN cyber motor GmbH

15:45-16:00 Panel discussion

16:00-16:10 Closing remarks



Fachverband für Design, Leiterplatten- und  
Elektronikfertigung

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**Event location:**

Hotel Marivaux Congress &

Seminar Centre

Boulevard Adolphe Maxlaan 98

1000 Brussels, Belgium

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