



18th International Zurich Symposium on Electromagnetic Compatibility

TUT-2 on Monday September 24

Tutorial on Intentional EMI (IEMI)

Dr. William Radasky, Metatech Corporation (wradasky@aol.com)

13:00 – 13:40

Dr. William Radasky, Metatech Corporation, USA*

Richard Hoad, QinetiQ, UK

Introduction to Intentional Electromagnetic Interference (IEMI)

What is the definition of IEMI and what types of threat sources and situations produce IEMI?

13:40 – 15:00

Richard Hoad, QinetiQ, UK*

Dr. William Radasky, Metatech Corporation, USA

The Effect of IEMI on Equipment and Systems

Summary of test results for electronic equipment and systems when exposed to waveforms and levels that can be produced by existing threat sources.

15:00 – 15:30

Break

15:30 – 15:50

Dr. William Radasky, Metatech Corporation, USA*

Richard Hoad, QinetiQ, UK

Mitigation Concepts and Approaches for IEMI

Review of the different types of mitigation methods, including those designed to reduce the level of EM fields and voltages.

15:50 – 16:30

Richard Hoad, QinetiQ, UK*

Dr. William Radasky, Metatech Corporation, USA

Standardisation Activities in the IEC

Update of the work of the IEC to standardize the types of HPEM environments, test methods and protection methods.

16:30 – 17:00

Questions and Discussion

*Presenting author